Silicone Technologies

…From AB Technology Group

Industrial ● Commercial ● Marine ● Aerospace ● Military
Automotive ● Bio-Pharma ● Petro-Chemical ● Scientific

Stock and Custom Uncured Silicones

- ✓ **Silicone Adhesives & Sealants**
- ✓ **Silicone Gels**
- ✓ **Silicone Conformal Coatings**
- ✓ **Silicone Dip**
- ✓ **Silicone Paint**
- ✓ **Silicone Ink**

Silicone Rubber Coated Fiberglass Products

- ✓ **Silicone Self Fusing Tape (A-A-59163 / Mil-I-46852 / MIL-I-22444)**
- ✓ **Silicone Rubber Coated Fiberglass Fabric**
- ✓ **Silicone Rubber Coated Fiberglass Sleeve**
- ✓ **Silicone Rubber Coated Fiberglass Tape**
- ✓ **Silicone Rubber Coated Fiberglass Rope**

Silicone Rubber Cured Products

- ✓ **Silicone Rubber Tubing, Caps & Plugs**
- ✓ **Silicone Foam & Sponge Sleeve and Sheet**
- ✓ **Silicone Rubber Extrusions**

Custom Silicone Rubber Molded Components

ISO 9001:2015 certified – registration #14136726

IMPORTANT NOTICE

Before using any product(s), you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability.

Product will be free from defects in material and manufacture at the time of purchase. **AB Technology Group makes no other warranties including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at AB Technology Group's option, to replace or repair the product or refund the purchase price of the product. **Except where prohibited by law, AB Technology Group will not be liable for any indirect, special, incidental or consequential loss or damage arising from this product, regardless of the legal theory asserted.**

Adhesives & Sealants - Most commonly used to seal or bond substrates together. AB Techology Group offers many products in this category. These products are available in thixotropic (paste like) and self-leveling (flowable) consistencies. Oxime, Acetoxy, and Alkoxy cure systems are available with working times from 4 minutes to over 1 hour. AB Tech also has the capability to customize any of these products in order to meet specific requirements. Some unique abilities in our product line include: bonding through oil, high strength silicone to silicone bonding, selective adhesion, extreme high temperature resistance, gasoline resistance, adhesion to plastics (including Polystyrene, Polycarbonate, Nylon, and PVC Pipe) adhesion to graphite composites, etc.

Conformal Coatings - are used to protect rigid and flexible printed circuit boards from environmental contaminants and vibration. AB Technology Group's conformal coating products are very low viscosity, one-component, thermally cured liquid silicone elastomers. These products have excellent dielectric properties and can withstand temperatures of -60°C to +260°C (-76°F to +500°F).

Encapsulating and Potting materials - are the ideal choice for protecting sensitive electronic components from extreme environments. Silicones encapsulants withstand temperatures of -115°C to +300°C while protecting the components from vibration, moisture and atmospheric contaminants. AB Technology Group's product line consists of both tin and platinum curing systems in a variety of durometers and cure speeds. We also have thermally conductive materials and flame resistant silicone adhesives that meet UL 94 V-0 requirements.

Silicone Foam - low density silicone foam for cushioning, fire blocking, insulation and gasketing in the mass transit, aerospace, automotive, industrial and institutional markets. Low flammability, inherently low toxicity and low smoke emission levels make silicone foam an excellent choice for these applications.

Silicone Gels are two component (1:1 mix ratio) platinum curing materials that cure to a very soft gel like consistency. These silicone gel products are used for protecting extremely delicate components from vibration and mechanical shock, as well as keeping them safe from water and atmospheric contaminants.

Liquid Silicone Elastomers are used to coat a variety of fabrics like fibreglass cloth to be used for electrical sleeving, airbags, roof structures and pressure sensitive tapes. These liquid silicone elastomers typically adhere to fabrics without the use of a primer. AB Techs' products are medium viscosity, two component thermally cured silicone elastomers. All of them have excellent dielectric properties and can withstand temperatures from -40°C to +260°C (-76°F to +500°F).

Moldmaking - Silicone moldmaking materials are used extensively to create molds that will produce exact replicas of items – often used for picture frames, statues and furniture. Whether you are casting polyurethane foam, polyester or low melt alloys such as bronze you can count on AB Techology Group's moldmaking materials to deliver exact replicas time after time. Silicone moldmaking materials consist of two components: A liquid base and a catalyst or curing compound. Tin curing silicones give you a wide range of softness, viscosities and curing speeds to choose from, while platinum curing products offer less shrinkage and heat accelerated curing. AB Technology Group has a broad range of tin and platinum curing silicone moldmaking products that can handle just about any moldmaking application.

Silicone Technologies - Uncured Silicones & Silicone Rubber Products

www.SiliconeTechnologies.com

Standard Product Listing

Credit Card, Fax & E-mail Orders: We accept Visa, MasterCard, Discover & American Express. Fax your Purchase Order to 610-340-9054 or email to: orders@SiliconeTechnologies.com.

Verbal PO's: Call 610-906-3549. We will accept verbal PO's from existing customers by using a generic PO form; once all the data has been entered from your verbal instructions it will be faxed to you for approval. Please authorize it and then fax it to us. Minimum order is $75.00. Some products also have minimum order quantity levels.

Account Set-up: Please complete our Account Application (at rear of catalog) and return the form along with your standard credit reference sheet. Processing can take 3 to 5 business days.

Most Orders Shipped Same Day: The vast majority of products are always in stock and will ship same day providing you order on-line, by fax or call by 1PM EST. Fabricated items require more time – please call for a fabrication quote. Sleeve with Velcro can typically be produced in 2 to 3 days, however it can run 5 to 7 business days for large orders or if we are particularly busy. Other fabrications such as equipment covers, curtains, shields, muffler and turbo covers, etc. can take up to 10 business days. Please call for an estimate.

Shipping: Unless otherwise specified, orders will be shipped UPS ground, prepaid and billed or on your account. For Dealers or Distributors, Blind or Drop shipping to your customer is available – please specify on your PO if you will be providing a Packing List and send it to us ASAP. We can also use your carrier and account if you prefer.

Customer Service Excellence: We are focused on customer service; your assurance of the correct product, quality checked & delivered on-time. All products are RoHS compliant.

We Offer Shipping From Our USA and Canadian Warehouses

Check for New Catalogs & Updates at our website – www.SiliconeTechnologies.com

Product Gallery

Uncured Silicones

Depending on viscosity, products can be packaged into 2.8oz squeeze tubes, 5.5oz squeeze tubes, 6.25oz sem kit cartridges, single or dual chamber syringes, cartridges (such as 10 oz. caulking tube), small wide-mouth jars, various jars up to 1 gallon/4 litres, pails, buckets and drums.

Silicone Rubber Coated Products

500°F / 260°C continuous rating with weld splatter / molten metal splash protection

FlameShield™ 500 SR FS/HD Industrial & HD Sleeve.
Page 101

FlameShield™ 500 SR FSA AS 1072 Aero-Grade Sleeve.
Page 102

FlameShield™ 500 SR FSVCS & FSVCL Sleeve with Velcro Closure.
Page 103 & 104

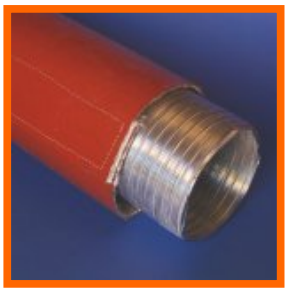
FlameShield™ 500 SR FT, FTHD & FT S2FT Tape & Wrap.
Page 105, 6 & 7

FlameShield™ 500 SR FR Rope
Page 108

FlameShield™ 500 SR FB Fire Blanket
Page 109

FlameShield™ 500 SR ST Self-Fusing Tape
Page 10

FlameShield™ 500 SR HDRS Removable Molten Metal Splash Protection Page 11



FlameShield™ 500 SR EAFCC EAF Cable Cover
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FlameShield™ 500 SR ST Silicone Tubing
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FlameShield™ 500 SR SC & SP Silicone Caps & Silicone Plugs
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Silicone Foam, Sponge & Sheet

FlameShield™
Silicone Rubber Foam
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FlameShield™
Silicone Rubber Solid Sheet
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FlameShield™
Silicone Rubber Reinforced
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Silicone Adhesives & Sealants

These silicones are generally used to seal and bond components together. They are available in a paste like consistency (thixotropic) and a liquid like (flowable) consistency. Liquid-like or flowable products are also called self-leveling.

These uncured silicone products are available in Oxime, Acetoxy and Alkoxy cure systems, with working times as short as 4 minutes to over 60 minutes.

Some of the silicone products in this group feature unique properties such as bonding through hydrocarbon films (oily surfaces), high strength silicone-to-silicone bonding, very high temperature resistance, resistance to fuels such as diesel and gasoline, adhesion to a variety of plastics such as Polystyrene, Nylon, PVC, and Polycarbonate, and also adhesion to graphite composites.

Products

Product Part Number: As an aid to selecting products, the part number of the product usually includes a product group code which is an abbreviation of the product's main characteristic. Common Product Group Codes are: EC = Electrically Conductive, TC = Thermally Conductive, FC = Fast Cure, HC = Heat Cure, UV = Dual Cure: including with UV light, HS = High Strength, SP = Speciality, SL = Self Leveling

Electrically Conductive:

Electrically Conductive:

Heat Cure:

UV Dual Cure:

High Strength:

Special Purpose:

Thermally Conductive: Gap Fillers / Electronic component heat sink

US-EC-72

Conductive Silicone RTV Adhesive for EMI/RFI applications
Nickel Graphite Filler

US-EC-72 is an electrically conductive moisture curing silicone 1-part RTV adhesive rubber developed for emi/rfi applications requiring fast development of physical properties. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Non-corrosive
- Temperature range -45°C to +260°C
- Conductive Filler: Nickel Graphite

Colors: Dark Gray

Typical Applications

- Electrically Conductive
- Thermally Conductive
- EMI-RFI Shielding
- Form in place gaskets

Service temperature -45°C to +260°C

Properties

Uncured: Viscosity, cps: 500,000 Specific Gravity: 2.09 Consistency: thixotropic paste
Working time, in minutes at Room Temperature: 15
Tack Free Time, in minutes at Room Temperature: 60
Application Rate: 90 PSI, in g/minute: >400 (3mm orifice at 0.6 MPa)

Cured 72 Hours at Room Temperature:
Durometer, Shore A: 60
Volume Resistivity; 0.09 Ohms-cm
Tensile Strength: 300 PSI
Thermal Conductivity: 2.5 W/m/K

Method of Application: Dispense sealant onto part. Mate parts, ensuring not all of the product is squeezed out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in standard 1 & 3 oz squeeze tubes and 10.3 oz. cartridges. Other packaging sizes on request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

US-EC-75

Conductive Silicone RTV Adhesive for EMI/RFI
Nickel Graphite Filler

US-EC-75 is an electrically conductive moisture curing silicone 1-part RTV adhesive rubber developed for emi/rfi applications requiring fast development of physical properties. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Non-corrosive
- Temperature range -45°C to +260°C
- Conductive Filler: Nickel Graphite

Colors: Dark Gray

Typical Applications

- Electrically Conductive
- Thermally Conductive
- EMI-RFI Shielding
- Form in place gaskets

Service temperature -45°C to +260°C

Properties

Uncured: Viscosity, cps: 600,000 Specific Gravity: 2.29 Consistency: thixotropic paste
Working time, in minutes at Room Temperature: 15
Tack Free Time, in minutes at Room Temperature: 60
Application Rate: 90 PSI, in g/minute: >400 (3mm orifice at 0.6 MPa)

Cured 72 Hours at Room Temperature:
Durometer, Shore A: 65
Volume Resistivity; 0.06 Ohms-cm

Method of Application: Dispense sealant onto part. Mate parts, ensuring not all of the product is squeezed out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in standard 1 & 3 oz squeeze tubes and 10.3 oz. cartridges. Other packaging sizes on request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

US-EC-75HF

Conductive Silicone RTV Adhesive for EMI/RFI – High Flexibility Nickel Graphite Filler

US-EC-75HF is an electrically conductive moisture curing high flexibility silicone 1-part RTV adhesive rubber developed for emi/rfi applications requiring fast development of physical properties. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Non-corrosive
- Temperature range -45°C to +260°C
- Conductive Filler: Nickel Graphite
- Increased flexibility over US-EC-75

Colors: Dark Gray

Typical Applications

- Electrically Conductive
- Thermally Conductive
- EMI-RFI Shielding
- Form in place gaskets

Service temperature -45°C to +260°C

Properties

Uncured: Viscosity, cps: 600,000 Specific Gravity: 2.29 Consistency: thixotropic paste
Working time, in minutes at Room Temperature: 15
Tack Free Time, in minutes at Room Temperature: 60
Application Rate: 90 PSI, in g/minute: >400 (3mm orifice at 0.6 MPa)

Cured 72 Hours at Room Temperature:
Durometer, Shore A: 65
Volume Resistivity; 0.09 Ohms-cm
Thermal Conductivity: 2.5 W/m/K

Method of Application: Dispense sealant onto part. Mate parts, ensuring not all of the product is squeezed out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in standard 1 & 3 oz squeeze tubes and 10.3 oz. cartridges. Other packaging sizes on request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

US-EC-78

Conductive Silicone RTV Adhesive for EMI/RFI
Silver Filler

US-EC-78 is an electrically conductive moisture curing silicone 1-part RTV adhesive rubber developed for emi/rfi applications requiring fast development of physical properties. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Non-corrosive
- Temperature range -45°C to +260°C
- Conductive Filler: Silver
- Very high conductivity compared with Nickel Graphite

Colors: Silver-Tan

Typical Applications

- High Electrical Conductivity
- High Thermal Conductivity
- EMI-RFI Shielding
- Form in place gaskets

Service temperature -45°C to +260°C

Properties

Uncured:
Viscosity, cps: 30,000-80,000
Specific Gravity: 3.06 Consistency: thixotropic paste
Working time, in minutes at Room Temperature: 15
Tack Free Time, in minutes at Room Temperature: 30
Application Rate: 90 PSI, in g/minute: >400 (3mm orifice at 0.6 MPa)

Cured 72 Hours at Room Temperature:
Durometer, Shore A: 70
Volume Resistivity; 0.005 Ohms-cm
Thermal Conductivity: 2.5 W/m/K

Method of Application: Dispense sealant onto part. Mate parts, ensuring not all of the product is squeezed out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in standard 1 & 3 oz squeeze tubes and 10.3 oz. cartridges. Other packaging sizes on request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

US-EC-783

Conductive Silicone RTV Adhesive for EMI/RFI
Silver Filler (MUST BE KEPT FROZEN PRIOR TO USE)

US-EC-78 is an electrically conductive moisture curing silicone 1-part RTV adhesive rubber developed for emi/rfi applications requiring fast development of physical properties. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Non-corrosive
- Temperature range -45°C to +260°C
- Conductive Filler: Silver
- Very high conductivity compared with Nickel Graphite

Colors: Silver-Tan

Typical Applications

- High Electrical Conductivity
- High Thermal Conductivity
- EMI-RFI Shielding
- Form in place gaskets

Service temperature -45°C to +260°C

Properties

Uncured:
Viscosity, cps: 30,000-80,000
Specific Gravity: 3.06 Consistency: thixotropic paste
Working time, in minutes at Room Temperature: 15
Tack Free Time, in minutes at Room Temperature: 30
Application Rate: 90 PSI, in g/minute: >400 (3mm orifice at 0.6 MPa)

Cured 72 Hours at Room Temperature:
Durometer, Shore A: 70
Volume Resistivity; 0.005 Ohms-cm
Thermal Conductivity: 2.5 W/m/K

Method of Application: Dispense sealant onto part. Mate parts, ensuring not all of the product is squeezed out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in standard 1 & 3 oz squeeze tubes and 10.3 oz. cartridges. Other packaging sizes on request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

US-EC-78HF

Conductive Silicone RTV Adhesive for EMI/RFI
Silver Filler – HIGH FLEXIBILITY

US-EC-78 is an electrically conductive moisture curing silicone 1-part RTV adhesive rubber developed for emi/rfi applications requiring fast development of physical properties. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Non-corrosive
- Temperature range -45°C to +260°C
- Conductive Filler: Silver
- Very high conductivity compared with Nickel Graphite

Colors: Silver-Tan

Typical Applications

- High Electrical Conductivity
- High Thermal Conductivity
- EMI-RFI Shielding
- Form in place gaskets

Service temperature -45°C to +260°C

Properties

Uncured:
Viscosity, cps: 30,000-80,000
Specific Gravity: 3.06 Consistency: thixotropic paste
Working time, in minutes at Room Temperature: 15
Tack Free Time, in minutes at Room Temperature: 30
Application Rate: 90 PSI, in g/minute: >400 (3mm orifice at 0.6 MPa)

Cured 72 Hours at Room Temperature:
Durometer, Shore A: 70
Volume Resistivity; 0.005 Ohms-cm
Thermal Conductivity: 2.5 W/m/K

Method of Application: Dispense sealant onto part. Mate parts, ensuring not all of the product is squeezed out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in standard 1 & 3 oz squeeze tubes and 10.3 oz. cartridges. Other packaging sizes on request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

US-EC-81 (CHO-1075 Equivalent)

Conductive Silicone RTV Adhesive for EMI/RFI
Silver Coated Aluminum Filler

US-EC-81-1075 is an electrically conductive moisture curing silicone 1-part RTV adhesive rubber developed for emi/rfi applications requiring fast development of physical properties. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Non-corrosive
- Temperature range -45°C to +260°C
- Conductive Filler: Silver Coated Aluminum
- Very high conductivity compared with Nickel Graphite

Colors: Silver-Tan

Typical Applications

- High Electrical Conductivity
- High Thermal Conductivity
- EMI-RFI Shielding
- Form in place gaskets

Service temperature -45°C to +260°C

Properties

Uncured:
Viscosity, cps: 50,000
Specific Gravity: 1.86 Consistency: thixotropic paste
Working time, in minutes at Room Temperature: 15
Tack Free Time, in minutes at Room Temperature: 30
Application Rate: 90 PSI, in g/minute: >400 (3mm orifice at 0.6 MPa)

Cured 72 Hours at Room Temperature:
Durometer, Shore A: 65
Volume Resistivity; 0.01 Ohms-cm
Thermal Conductivity: 2.5 W/m/K

Method of Application: Dispense sealant onto part. Mate parts, ensuring not all of the product is squeezed out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in standard 1 & 3 oz squeeze tubes and 10.3 oz. cartridges. Other packaging sizes on request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

US-EC-81HF

Conductive Silicone RTV Adhesive for EMI/RFI – High Flexibility Silver Coated Aluminum Filler

US-EC-81HF is an electrically conductive moisture curing high flexibility silicone 1-part RTV adhesive rubber developed for emi/rfi applications requiring fast development of physical properties. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Non-corrosive
- Temperature range -45°C to +260°C
- Conductive Filler: Silver Coated Aluminum
- Very high conductivity compared with Nickel Graphite

Colors: Silver-Tan

Typical Applications

- High Electrical Conductivity
- High Thermal Conductivity
- EMI-RFI Shielding
- Form in place gaskets

Service temperature -45°C to +260°C

Properties

Uncured:
Viscosity, cps: 55,000
Specific Gravity: 1.86 Consistency: thixotropic paste
Working time, in minutes at Room Temperature: 15
Tack Free Time, in minutes at Room Temperature: 30
Application Rate: 90 PSI, in g/minute: >400 (3mm orifice at 0.6 MPa)

Cured 72 Hours at Room Temperature:
Durometer, Shore A: 60
Volume Resistivity; 0.01 Ohms-cm
Thermal Conductivity: 2.5 W/m/K

Method of Application: Dispense sealant onto part. Mate parts, ensuring not all of the product is squeezed out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in standard 1 & 3 oz squeeze tubes and 10.3 oz. cartridges. Other packaging sizes on request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

US-FC-90

High Performance Automotive Silicone RTV Gasket Maker

US-FC-90 is a fast curing silicone RTV adhesive rubber developed for automotive gasketing applications requiring fast development of physical properties and fast unprimed adhesion. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Also designed for superior oil resistance.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to plastic, metal and glass
- Very fast onset of adhesion
- Exceptional oil resistance
- Good hydrolytic stability
- Able to bond through oil
- Non-corrosive oxime cure
- Temperature range -65°C to +260°C

Colors: Black, blue, red, gray, copper (custom colors available upon request)

Typical Applications

- Aftermarket adhesive sealant
- Automotive form in place gaskets
- Situations where the gasket flange is contaminated with oil
- Pressure can dispensing RTV

Service temperature -65°C to +260°C

Properties

Uncured: Viscosity, cps: 400,000 Specific Gravity: 1.28 Consistency: thixotropic paste
Working time, in minutes at Room Temperature: 8
Tack Free Time, in minutes at Room Temperature: 14
Application Rate: 90 PSI, in g/minute: >1000 (3mm orifice at 0.6 MPa)

Cured 24 Hours at Room Temperature:

Tensile Strength, PSI: 275	Elongation, %: 350
Durometer, Shore A: 38	Peel Strength, PPI: 20

Oil resistance - 5W30, 14 days 150°C:

Durometer: 33 (-12.1%)	Tensile: 215 (-22.0%)
Elongation: 428 (+22.5%)	

Method of Application: Dispense sealant onto part. Mate parts, ensuring not all of the product is squeezed out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards and O.E.M. part number interchange:

- Chrysler - 4206070, 4318025
- Ford - D6AZ-19562-B, E8AZ-19562-A, WSE-M46320-A2
- G.M. - 9985675, 1052751, 1052917, 12345739

US-FC-900

Fast Cure Gasoline Resistant Silicone RTV Adhesive Sealant

US-FC-900 is a fast curing silicone RTV adhesive rubber. Developed for applications requiring gasoline resistance and fast development of physical properties, as well as fast unprimed adhesion. This is a 1-Part silicone that allows handling of the bonded assembly within one hour of application to the substrate. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperature.

Product Features

- Exceptional gasoline resistance
- Thixotropic paste
- Excellent unprimed adhesion to plastic, metal and glass
- Very fast onset of adhesion
- Exceptional fuel resistance
- Non-corrosive oxime cure

Color: Black (custom colors available upon request)

Typical Applications

- Aftermarket adhesive sealant
- Automotive form in place gaskets
- Assembly line adhesive

Typical Properties:

Uncured: Viscosity, cps: 500,000 Specific Gravity: 1.28
Consistency: thixotropic paste Working time, minutes at room temperature: 8
Tack Free Time, minutes at room temperature: 20
Application Rate, 90 PSI, in g/minute: 400 (3mm orifice at 0.6 MPa)

Cured 24 Hours at Room Temperature: Tensile Strength, PSI: 300 Peel Strength, PPI: 40
Elongation, %: 260 Durometer, Shore A: 38

Gasoline Immersion Results, 7 days at 21°C:
Durometer: 33 (-12.1%)
Tensile: 150 (-50.0%)
Elongation: 200 (-22.5%)
Swell: +25%

Method of Application: Dispense sealant onto part, mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

Solids: 98% solids, contains no solvents

Adhesion: Primer-less adhesion to most plastics, metals and glass.

Service temperature: -65°C to +260°C

Limitations: Do not use product on head gaskets, solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 3oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-FC-903

Fast Cure Silicone RTV Adhesive Sealant

US-FC-903 is a fast curing silicone RTV adhesive rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to many composites, metals and glass
- Rapid onset of adhesion
- High temperature resistant
- Non-corrosive oxime cure
- Temperature range -65°C to 260°C

Typical Applications: Industrial bonding; Form in place gaskets; Adhesive Sealant

Colors: Black and Gray (Custom colors available upon request)

Typical Properties

Uncured

Viscosity, cps: 400,000 Specific Gravity: 1.29
Consistency: thixotropic paste
Working time, minutes at Room Temperature: 5
Tack Free Time, minutes at Room Temperature: 15
Application Rate, 90 PSI, in g/minute: >1000 (3mm orifice at 0.6 MPa)

Cured 72 Hours at Room Temperature

Tensile Strength, PSI: 275 Peel Strength, PPI: 30
Elongation, %: 350 Durometer, Shore A: 35

Method of Application: Dispense sealant onto part and mate parts. Be sure not to squeeze all of the product out of flange assembly. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

Chemical cure system: Oxime cure system

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids: 98% solids, contains no solvents

Adhesion: Primer-less adhesion to most metals and typical substrates.

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM 9985675 and GM low volatility requirements.

US-FC-9021

US-FC-9021 is a fast curing silicone RTV adhesive rubber developed for bonding applications requiring fast development of physical properties. This is a 2-Part silicone that when applied to the substrate and cured allows handling of the bonded assembly within minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in automatic dispensing equipment.

Product Features

- Fast room temperature cure
- 2-part 1:1 mix RTV
- Thixotropic
- Temperature range –45°C to 250°C

Color: Black (custom colors available upon request)

Typical Applications

- Component bonding
- Gasket fabrication

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured

Viscosity, cps: 35,000 Specific Gravity: 1.30 Consistency mixed: thixotropic paste
Working time at Room Temperature: 6 minutes
Tack Free Time at Room Temperature: 10 minutes

Cured

Tensile Strength, PSI: 300
Elongation, %: 300
Durometer, Shore A: 30
Thermal Conductivity W/m °K: 0.0005
Coefficient of Thermal Expansion: 20 x 10^{-5}

CURE SPEED OPTIONS

	Standard	Fast
WORK TIME at Room Temperature	10min	2min
CURE TIME at Room Temperature	30min	15min

Mixing Instructions: The preferred method of mixing and application is through a static mixer at a 1:1 mix ratio by volume.

Handling precautions: This is a Platinum Cure system product. The catalyst can be deactivated by exposure to sulfur containing compounds like thiols, sulfides, sulfates, organic rubber containing sulfur, nitrogen containing compounds like amines, amides, imides, azides, tin metals or compounds, or tin cured RTV's.

Depth of cure vs time: In 30 minutes, any depth of application filled with this product will be cured and fully encapsulated.

Adhesion: Primer-less adhesion to most plastics, metals and typical substrates.

Service temperature: -45°C to +250°C

Limitations: Do not use product on head gaskets or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 400 ml. cartridges, 40 lb. pail kits and 400 lb. drum kits. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-FC-1299

Fast Cure Silicone RTV Adhesive Sealant

US-FC-1299 is a fast curing silicone RTV adhesive rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to plastic, metal and glass
- Fast onset of adhesion
- Neutral cure

Typical Applications

- Industrial Bonding
- Assembly line adhesive
- Adhesive Sealant

Color: Translucent (custom colors available upon request)

Service Temperature: -65°C to 260°C

Typical Properties

Uncured

Viscosity, cps: 100,000 Specific Gravity: 1.12 Consistency: light paste
Working time, in minutes, at Room Temperature: 8
Tack Free Time, in minutes, at Room Temperature: 20

Cured - Room Temperature

Tensile Strength, PSI: 450	Elongation, %: 350
Durometer, Shore A: 30	Peel Strength, PPI: 20

Method of Application: Dispense product onto part and mate parts. Be sure not to squeeze all of the product out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured elastomer with high adhesive properties is formed.

Adhesion: Primer-less adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges or bonded parts to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant can irritate eyes and skin. Refer to MSDS.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-FC-18003

VERY FAST CURE Self-Leveling Silicone RTV Adhesive Coating

US-FC-18003 is a 1-part silicone RTV developed for coating and seam filling applications. It offers unprimed adhesion to many metals and plastics. When cured, results in a very flexible and durable silicone adhesive coating. The elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Very fast Room Temperature cure
- Neutral Cure
- Self- leveling liquid RTV
- Adhesion to metals and many plastics
- Temperature range -65°C to +250°C

Color: Translucent (custom colors available upon request)

Typical Applications

- Coating assemblies
- Seam filling in construction operations
- Industrial sealing
- Thin section potting & encapsulation

Typical Properties

Uncured

Viscosity, cps: 30,000-40,000	Specific Gravity: 1.03
Consistency: self leveling liquid	
Tack Free Time, in minutes at room temperature: 5	

Cured 72 Hours at Room Temperature

Tensile Strength, PSI: 300	Elongation, %: 300
Durometer, Shore A: 25	Peel Strength, PPI: 40

Method of Application: Dip or dispense coating onto assembly, allow to cure.

Chemical cure system: Oxime cure system

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a durable adhesive rubber coating.

Packaging: Available in 3oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 8 lb. containers, 40 lb. pails and 440 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids: 98% solids, contains no solvents

Adhesion: Primer-less adhesion to most plastics, metals and typical substrates.

Service temperature: -65°C to 250°C

Limitations: Do not use product in fuel or solvent immersion applications. Allow to fully cure before putting assembly into service.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-HC-453

Heat Cure 1 Part Self Leveling Low Viscosity Silicone Adhesive Sealant

US-HC-453 is a 1-part, heat cure silicone developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. Heated cures result in a tough and durable silicone conformal coating.

Product Features

- Neutral Addition Cure
- Fast heat cure
- Low Viscosity
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics
- Convenient 1 part system

Product Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting & encapsulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties
Uncured

Specific Gravity: 0.98	Color: Clear	Solids: 100 %
Shelf Life: 12 MONTHS	Viscosity: 125 cps.	Tack Free Time at 110°C: 15 minutes

Cured – 20 Minutes at 110°C

Durometer, Shore A: 10
Dielectric Strength kv/mm: 13
Dielectric Constant: 2.4
Dissipation Factor at 1kHz: 0.01
Thermal conductivity: 0.0005

Application Methods: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Curing: Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primer-less adhesion to plastics, metals and typical substrates.

Service temperature: -65°C to +250°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-HC-456

Heat Cure 1 Part Self Leveling Adhesive Sealant

US-HC-456 is a 1-part, heat cure silicone developed for conformal coating applications. Offers unprimed adhesion to metals and many plastics. Heated cures result in a tough and durable silicone conformal coating.

Product Features

- Neutral Addition Cure
- Fast heat cure
- Self-leveling liquid
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics
- Convenient 1 part system

Product Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting & encapsulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured

Specific Gravity: 0.98
Color: Clear
Solids: 100 %
Shelf Life: 12 MONTHS
Viscosity: 600 cps.
Tack Free Time at 110°C: 15 minutes

Cured 20 Minutes at 110°C

Durometer, Shore A: 10
Dielectric Strength, kv/mm: 13
Dielectric Constant: 2.4
Dissipation Factor at 1kHz: 0.01
Thermal conductivity: 0.0005

Application Methods: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Curing: Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primer-less adhesion to plastics, metals and typical substrates.

Service temperature: -65°C to 250°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-HC-459

Heat Cure 1 Part Thixotropic Adhesive Sealant

US-HC-459 is a heat curing silicone RTV adhesive rubber developed for bonding applications requiring fast development of physical properties. This is a 1-part silicone that that when applied to the substrate and thermally cured allows handling of the bonded assembly within minutes. Works well in manual and automatic dispensing equipment.

Product Features

- 15 minute cure at 150°C
- Can Cure in Fully Encapsulated Assemblies
- Deep Section Cure
- Will Cure in Lamination Assemblies
- Thixotropic
- 1-Part heat cure RTV
- Temperature range –65°C to +250°C

Product Applications

- Component coating
- Bonds silicone to a variety of other substrates

Chemical cure system
Platinum catalyzed, addition cure system.

Typical Properties

Uncured:

Specific Gravity: 1.04
Color: translucent
Solids: 100 %
Viscosity: 500,000 cps.
Tack Free Time at 150°C: 15 minutes

Cured 15 min at 150C :

Tensile Strength, PSI: 200
Elongation, %: 300
Durometer, Shore A: 15
Thermal conductivity: 0.0005
Coefficient of Thermal Expansion: 20 x 10-5

Application Methods: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Curing: Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primer-less adhesion to plastics, metals and typical substrates.

Service temperature: -65°C to 250°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-HC-468

Heat Cure 1 Part Self Leveling Silicone Adhesive Sealant

US-HC-468 is a 1-part, heat cure silicone developed for conformal coating applications. Offers unprimed adhesion to metals and many plastics. Heated cures result in a tough and durable silicone conformal coating.

Product Features

- Neutral Addition Cure
- Fast Heat Cure
- Self-leveling liquid
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics
- Convenient 1 part system

Product Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting & encapsulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured:

Specific Gravity: 0.98
Color: Clear
Solids: 100 %
Shelf Life: 12 MONTHS
Viscosity: 230 cps.
Tack Free Time at 110°C: 15 minutes

Cured 20 Minutes at 110°C:

Dielectric Strength kv/mm: 13
Dielectric Constant: 2.4
Dissipation Factor at 1kHz: 0.001
Thermal conductivity: 0.0005

Application Methods: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Curing: Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primer-less adhesion to plastics, metals and typical substrates.

Service temperature: -65°C to 250°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-HC-9135

Heat Cure 1 Part Thixotropic Adhesive Sealant

US-HC-9135 is a heat curing, high strength silicone adhesive rubber developed for bonding applications requiring fast development of physical properties and excellent adhesion. This is a 1-part silicone that that when applied to the substrate and thermally cured allows handling of the bonded assembly within minutes. Works well in manual and automatic dispensing equipment.

Product Features

- 15 minute cure at 150°C
- Excellent Unprimed Adhesion to Metals and Glass
- Thixotropic Paste
- Temperature range –45°C to 260°C

Product Applications

- Assembly Line Adhesive
- Form in Place Gaskets
- Adhesive Sealant

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured:

Specific Gravity: 1.08	Color: translucent	Solids: 100 %
Viscosity: 500,000 cps.	Tack Free Time at 150°C: 15 minutes	
Working Time at Room Temperature: >7 days		

Cured 15 min at 150C :

Tensile Strength, PSI: 600	Elongation, %: 450	Durometer, Shore A: 30
Thermal conductivity: 0.0005	Coefficient of Thermal Expansion: 20 x 10-5	
Dissipation Factor: 0.001	Dielectric Constant: 2.8	
Dielectric Strength V/mil: >500		

Curing: Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primerless adhesion to plastics, metals and typical substrates.

Service temperature: -45°C to 260°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-UV-462

UV Dual Cure Silicone Adhesive Sealant

US-HC-462 is a UV dual cure silicone RTV adhesive rubber developed for applications requiring fast UV cure. This is a 1-Part silicone that when applied and cured allows handling of the bonded assembly within minutes. A secondary moisture cure enables full curing in shadowed areas. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast UV cure
- Excellent unprimed adhesion
- Convenient, UV accelerated instant cure capability
- Temperature range -40°C to 260°C
- Secondary moisture cure for shadow areas

Typical Applications

- Assembly line adhesive
- Conformal Coating
- Adhesive Sealant

Color: Clear (custom colors available upon request)

Service Temperature: -40°C to 260°C

Typical Properties

Uncured:

Viscosity: 6,000 to 8,000 cps. Specific Gravity: 1.02 Consistency: liquid

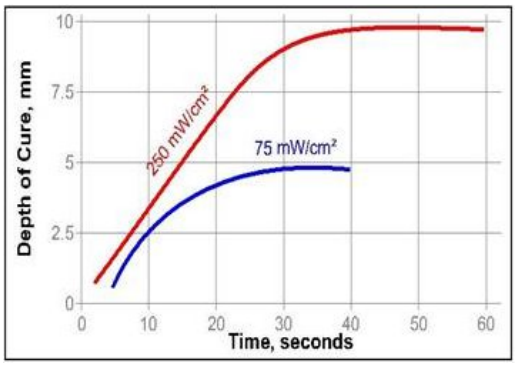
Cured 24 Hours at Room Temperature:

Tensile Strength, PSI: 100 Durometer, Shore A: 31-39

UV Accelerated Curing

A short term UV exposure followed by a secondary, moisture cure results in cured elastomer exhibiting outstanding adhesion.

Typical UV Lamp Performance



Method of Application: Dispense sealant onto part either manually or robotically. Allow to cure.

Chemical cure system: UV Acrylic with a secondary moisture cure system.

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves short term UV exposure followed by a secondary moisture cure.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: FOR MAXIMUM SHELF LIFE THIS PRODUCT MUST BE FROZEN. Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a freezer.

US-UV-465

UV Dual Cure Silicone Adhesive Sealant

US-UV-465 is a UV dual cure silicone RTV adhesive rubber developed for applications requiring fast UV cure. This is a 1-Part silicone that when applied and cured allows handling of the bonded assembly within minutes. A secondary moisture cure enables full curing in shadowed areas. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast UV cure
- Excellent unprimed adhesion
- Convenient, UV accelerated instant cure capability
- Temperature range -40°C to +260°C
- Secondary moisture cure for shadow areas

Typical Applications

- Assembly line adhesive
- Conformal Coating
- Adhesive Sealant

Color: Clear (custom colors available upon request)

Service Temperature: -40°C to +260°C

Typical Properties

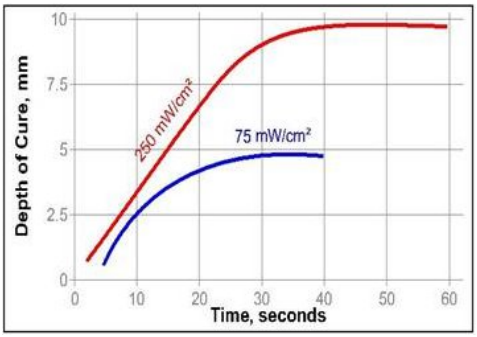
Uncured:

Viscosity: 2,500 cps.
Specific Gravity: 1.02
Consistency: liquid

Cured 24 Hours at Room Temperature:

Tensile Strength, PSI: 80
Durometer, Shore A: 25

UV Accelerated Curing:A short term UV exposure followed by a secondary, moisture cure results in cured elastomer exhibiting outstanding adhesion.



Typical UV Lamp Performance

Method of Application: Dispense sealant onto part either manually or robotically. Allow to cure.

Chemical cure system: UV Acrylic with a secondary moisture cure system.

Curing: Typical utilization involves short term UV exposure followed by a secondary moisture cure.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: FOR MAXIMUM SHELF LIFE THIS PRODUCT MUST BE FROZEN. Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-UV-15249

UV Dual Cure Thixotropic Paste RTV

US-UV-15249 is a UV dual cure, high strength acetoxy silicone RTV adhesive rubber developed for UV applications. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within seconds. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast UV cure
- Excellent unprimed adhesion
- Convenient, UV accelerated instant cure capability
- Temperature range -65°C to 260°C
- Secondary moisture cure for shadow areas

Typical Applications

- Assembly line adhesive
- Form in place gaskets
- Adhesive Sealant

Color: Translucent (custom colors available upon request)

Service Temperature:-65°C to +260°C

Typical Properties

Uncured:

Viscosity: 500,000 cps. Specific Gravity: 1.12
Consistency: thixotropic paste

Cured 24 Hours at Room Temperature:

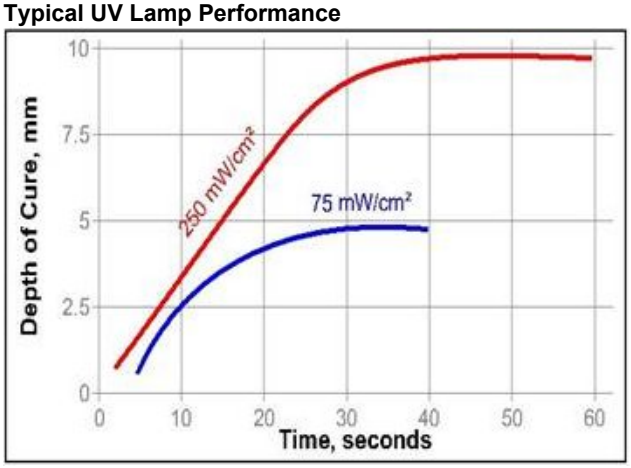
Tensile Strength, PSI: 500	Elongation,%: 300
Durometer, Shore A: 50	Peel Strength, PPI: 50
Tear Strength, PPI: 50	Thermal conductivity: 0.0005

Coefficient of Thermal Expansion: 20 x 10^{-5}

UV Accelerated Curing

A short term UV exposure followed by a secondary, moisture cure results in cured elastomer exhibiting outstanding adhesion.

Typical UV Lamp Performance



Method of Application: Dispense sealant onto part either manually or robotically. Allow to cure.

Chemical cure system: UV Acrylic with a secondary, Alkoxy moisture cure system.

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves short term UV exposure followed by a secondary moisture cure.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: FOR MAXIMUM SHELF LIFE THIS PRODUCT MUST BE FROZEN. Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-UV-15264

UV Dual Cure Silicone Liquid RTV

US-UV-15264 is a UV dual cure neutral silicone RTV adhesive rubber developed for UV applications. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within seconds. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast UV cure
- Excellent unprimed adhesion
- Convenient, UV accelerated instant cure capability
- Temperature range –65 to 260C
- Secondary moisture cure for shadow areas

Typical Applications

- Assembly line adhesive
- Form in place gaskets
- Adhesive sealant

Service temperature: -65°C to 260°C

Typical Properties

Uncured:

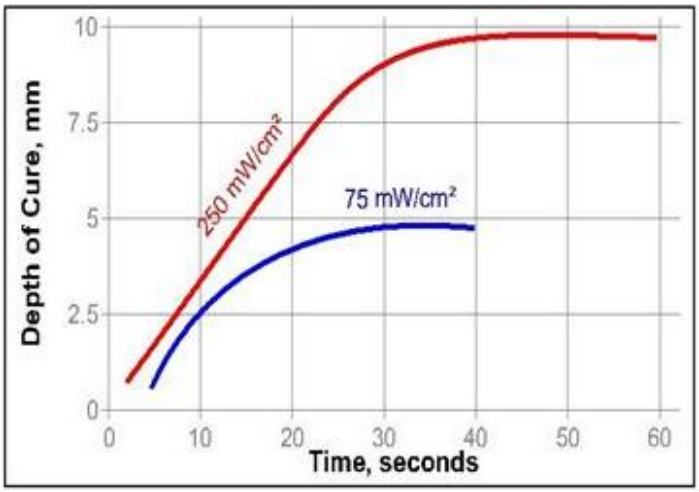
Viscosity, cps: 70,000 Specific Gravity: 1.04 Consistency: heavy liquid

Cured 24 Hrs. at Room Temperature:

Tensile Strength, PSI: 200 Durometer, Shore A: 30UV

Accelerated Curing

A short term UV exposure, followed by a secondary moisture cure, results in cured elastomer exhibiting outstanding adhesion.



Typical UV Lamp Performance
Method of Application

Dispense sealant onto part either manually or robotically. Allow to cure.

Chemical Cure System

UV Acrylic with a secondary Alkoxy moisture cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves short term UV exposure followed by a secondary moisture cure.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates

Limitations: For Maximum Shelf Life Product Must Be Frozen. Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Handling and Safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-UV-15879

UV Dual Cure Self Leveling Silicone Adhesive Sealant

US-UV-15879 is a UV dual cure silicone RTV adhesive rubber developed for applications requiring fast UV cure. This is a 1-Part silicone that when applied and cured allows handling of the bonded assembly within minutes. A secondary moisture cure enables full curing in shadowed areas. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast UV cure
- Excellent unprimed adhesion
- Convenient, UV accelerated instant cure capability
- Temperature range -40 to 260C
- Secondary moisture cure for shadow areas

Typical Applications

- Assembly line adhesive
- Conformal Coating
- Adhesive Sealant

Color: Clear (custom colors available upon request)

Service Temperature: -40°C to 260°C

Typical Properties

Uncured:

Viscosity: 400-800 cps. Specific Gravity: 1.00 Consistency: liquid

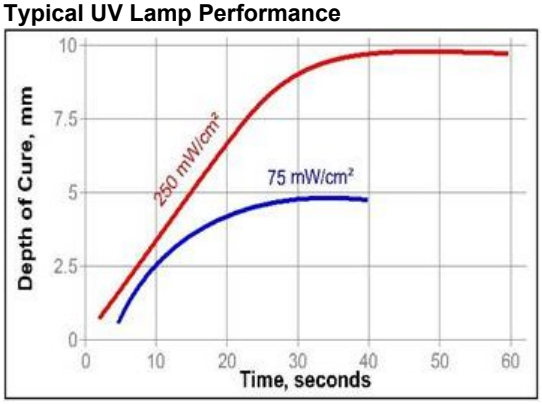
Cured 24 hrs. at Room Temperature:

Tensile Strength, PSI: 100 Durometer, Shore A: 60-90

UV Accelerated Curing

A short term UV exposure followed by a secondary, moisture cure results in cured elastomer exhibiting outstanding adhesion.

Typical UV Lamp Performance



Method of Application

Dispense sealant onto part either manually or robotically. Allow to cure.

Chemical cure system

UV Acrylic with a secondary moisture cure system.

Curing: Typical utilization involves short term UV exposure followed by a secondary moisture cure.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: For Maximum Shelf Life Product Must Be Frozen. Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-HS-207

High Strength, High Temperature Silicone Adhesive Sealant

US-HS-207 is a high strength, high temperature silicone RTV engineered for applications requiring fast development of physical properties and excellent adhesion. This offers the highest temperature resistance of any acetoxy cure silicone currently available. When cured, the elastomers resist weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Instant Cure Capability
- Thixotropic paste
- Convenient, Heat Accelerated
- Excellent unprimed adhesion to plastic, metal and glass

Typical Applications

- Assembly line adhesive
- Adhesive Sealant
- Form in place gaskets

Heat Accelerated Curing

Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. However, cure speed can be accelerated with hot air to nearly instant cures exhibiting very fast adhesion. A one minute hot air stream exposure, followed by a one minute cool down in a humid environment, results in cured **elastomer condition exhibiting outstanding adhesion.**

Method of Application
Dispense dressing onto gasket and flange surface. Install component and tighten fasteners to the manufacturer's torque specifications, thus sealing all surface irregularities with the fastener clamping force.

Chemical cure system: Acetoxy cure system

Typical Properties

Uncured:

Color: Translucent Red	Viscosity, cps: 500,000	Specific Gravity: 1.14
Consistency	Working time, mins: 4	Tack Free Time, mins.: 12

Application Rate, 90 PSI, g/min: 250, 3mm orifice at 0.6 MPa

Cured - Room Temperature:
Max. Operating Temp: 330°C

Physical Properties:

Tensile Strength, PSI: 1000	Elongation, %: 850	Durometer, Shore A: 38
Peel Strength, PPI: 50	Tear Strength, PPI: 100	Lap Shear Strength,PSI: 330
Dielectric Strength, V/mil >500	Dielectric Constant: 2.8	Dissipation Factor: 0.001
Volume Resistivity: 2.0 X 1014		
Thermal conductivity: 0.0005	Coefficient of Thermal Expansion: 20 x 10-5	

HEAT AGED 24 Hours at 330°C	**Durometer**	35 (-7.5%)	**Tensile**	772 (-22.8%)
	Elongation	850% (0)		

Method of Application: Dispense sealant onto part and mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Chemical cure system: Acetoxy cure system

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product on head gaskets, fuel or solvent immersion applications. Allow sealant to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in , 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to MIL-A-46106B Type I Group III

US-HS-324

High Strength, Fast Cure Silicone Adhesive Sealant

US-HS-324 is a fast curing, high strength, acetoxy silicone RTV adhesive rubber engineered for applications requiring fast development of physical properties and excellent adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within minutes. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to metals and glass
- Temperature range -40C to +260C

Color: Transparent (custom colors available upon request)

Typical Applications

- Assembly line adhesive
- Form in place gaskets
- Adhesive sealant

Typical Properties

Uncured: Viscosity, cps: 500,000 Specific Gravity: 1.05 Consistency: thixotropic paste
Working time, mins 4 Tack Free Time, mins. 12
Application Rate, 90 PSI, g/min. 250 3mm orifice at 0.6 MPa

BOTH Cured - Room Temperature:

Tensile Strength, PSI: 325
Elongation, %: 325
Durometer, Shore A: 30
Dielectric Strength, V/mil: >500
Dielectric Constant: 2.8
Dissipation Factor: 0.001
Thermal conductivity: 0.0005

Method Of Application

Dispense sealant onto part and mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Heat Accelerated Curing

Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. However, cure speed can be accelerated with hot air to nearly instant cures exhibiting very fast adhesion. A one minute hot air stream exposure, followed by a one minute cool down in a humid environment, results in cured elastomer exhibiting outstanding adhesion.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes upon request.

Chemical cure system: Acetoxy cure system

Solids: 98% solids, contains no solvents

Service Temperature: -45°C to +260°C

Adhesion: Primerless adhesion to silicone rubber parts.

Limitations: Allow sealant to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-HS-327

High Strength, Fast Cure Silicone Adhesive Sealant

US-HS-327 is a fast curing, high strength, acetoxy silicone RTV adhesive rubber engineered for applications requiring fast development of physical properties and excellent adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within minutes. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to metals and glass
- Temperature range -45°C to 260°C

Color: Transparent (custom colors available upon request)

Typical Applications

- Assembly line adhesive
- Form in place gaskets
- Adhesive sealant

Typical Properties

Uncured:

Viscosity, cps: 500,000 Specific Gravity: 1.07 Consistency : thixotropic paste
Working time, mins: 4 Tack Free Time, mins: 12
Application Rate, 90 PSI, g/min: 250 (3mm orifice at 0.6 MPa)

BOTH Cured - Room Temperature:

Physical Properties	Tensile Strength, PSI: 600	Elongation, %: 700
	Durometer, Shore A: 34	Dielectric Strength, V/mil: >500
	Dielectric Constant: 2.8	Dissipation Factor: 0.001
	Thermal conductivity: 0.0005	

Method Of Application
Dispense sealant onto part and mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Heat Accelerated Curing
Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. However, cure speed can be accelerated with hot air to nearly instant cures exhibiting very fast adhesion. A one minute hot air stream exposure, followed by a one minute cool down in a humid environment, results in cured elastomer exhibiting outstanding adhesion.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes upon request.

Chemical cure system: Acetoxy cure system

Solids: 98% solids, contains no solvents

Service Temperature: -45°C to 260°C

Adhesion: Primerless adhesion to silicone rubber parts.

Limitations: Allow sealant to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-HS-471

High Strength Fast Cure Aerospace Silicone Adhesive Sealant

US-HS-471 is a fast curing, high strength, 1-part acetoxy silicone RTV adhesive rubber product engineered for highly demanding aerospace applications. Offers greatly accelerated adhesion and quicker development of physical properties as compared to conventional silicone RTV's. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Accelerated onset of adhesion
- Thixotropic paste
- Excellent unprimed adhesion to plastic, metal and glass
- Convenient, heat accelerated instant cure capability

Typical Applications

- Assembly line adhesive
- Form in place gaskets
- Adhesive Sealant

Heat Accelerated Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. However, cure speed can be accelerated with hot air to nearly instant cures exhibiting very fast adhesion. A one minute hot air stream exposure, followed by a one minute cool down in a humid environment, results in cured elastomer condition exhibiting outstanding adhesion.

Method of Application: Dispense dressing onto gasket and flange surface. Install component and tighten fasteners to the manufacturer's torque specifications, thus sealing all surface irregularities with the fastener clamping force.

Chemical cure system: Oxime cure system

Typical Properties

Uncured

Color: Gray	Viscosity, cps: 500,000	Specific Gravity: 1.12
Consistency: thixotropic paste	Working time, mins: 4	Tack Free Time, mins.: 12
Application Rate: 90 PSI, g/min, 3mm orifice at 0.6 MPa: 250		

Cured - Room Temperature

Max. Operating Temp.: 250 C

Physical properties:

Tensile Strength, PSI: 1000	Elongation, %: 850	Durometer, Shore A: 38
Peel Strength, PPI: 50	Tear Strength, PPI: 100	Lap Shear Strength, PSI: 330
Dielectric Strength, V/mil: >500	Dielectric Constant: 2.8	Dissipation Factor: 0.001
Volume Resistivity: 2.0 X 10^{14}	Thermal conductivity: 0.0005	
Coefficient of Thermal Expansion: 20 x 10-5		

Method of Application: Dispense sealant onto part and mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Chemical cure system: Acetoxy cure system

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product on head gaskets, fuel or solvent immersion applications. Allow sealant to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-HS-201

High Strength Fast Cure Silicone Adhesive Sealant

US-HS-201 is a fast curing, high strength, 1-part acetoxy silicone RTV adhesive rubber product engineered for applications requiring fast development of physical properties and excellent adhesion. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to plastic, metal and glass
- Convenient, heat accelerated instant cure capability

Typical Applications

- Assembly line adhesive
- Form in place gaskets
- Adhesive Sealant

Heat Accelerated Curing

Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. However, cure speed can be accelerated with hot air to nearly instant cures exhibiting very fast adhesion. A one minute hot air stream exposure, followed by a one minute cool down in a humid environment, results in cured elastomer condition exhibiting outstanding adhesion.

Method of Application

Dispense dressing onto gasket and flange surface. Install component and tighten fasteners to the manufacturer's torque specifications, thus sealing all surface irregularities with the fastener clamping force.

Chemical cure system: Acetoxy cure system

Typical Properties

Uncured

Color: Translucent	Viscosity, cps: 500,000	Specific Gravity: 1.12
Consistency: thixotropic paste	Working time, mins: 4	Tack Free Time, mins.: 12
Application Rate: 90 PSI, 250 g/min3mm orifice at 0.6 MPa		

Cured - Room Temperature:

Max. Operating Temp.250°C

Physical properties:

Tensile Strength, PSI: 1000	Elongation, %: 850	Durometer, Shore A: 38
Peel Strength, PPI: 50	Tear Strength, PPI: 100	Lap Shear Strength, PSI: 330
Dielectric Strength, V/mil: >500	Dielectric Constant: 2.8	Dissipation Factor: 0.001
Volume Resistivity: 2.0 X 1014	Thermal conductivity: 0.0005	
Coefficient of Thermal Expansion: 20 x 10-5		

Method of Application: Dispense sealant onto part and mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Chemical cure system: Acetoxy cure system

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product on head gaskets, fuel or solvent immersion applications. Allow sealant to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-HS-9438

High Strength Neutral Cure Silicone RTV Adhesive Sealant

US-HS-9438 is a high strength, neutral curing silicone RTV adhesive rubber. This product was developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that allows handling of the bonded assembly within one hour of application to the substrate. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to most plastics, metal and glass
- Fast onset of adhesion
- High temperature and Exceptional oil resistance
- Non-corrosive oxime cure
- Temperature range -65 to 260C

Color: Silver-gray (custom colors available upon request)

Typical Applications

- Assembly line adhesive
- Component assembly
- Industrial adhesive sealant

Typical Properties

Uncured

Viscosity, cps 500,000 Specific Gravity 1.12
Consistency : thixotropic paste Working time, mins. at Room Temperature: 8
Tack Free Time, mins. at Room Temperature: 20
Application Rate, 90 PSI, g/min. 300, 3mm orifice at 0.6 MPa

Cured - 72 Hrs. at Room Temperature: **Download PDF for Electrical Specifications***

Tensile Strength, PSI: 700
Elongation, %: 750
Durometer, Shore A: 50
Peel Strength, PPI: 100
Tear Strength, PLI: 100

Method of Application: Dispense sealant onto part and mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air with exposure to ambient humidity. This method of application will result in a room temperature cured elastomer with very high adhesive properties.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and glass

Service temperature: -65 to 260C

Limitations: Do not use product on head gaskets, solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-HS-9441

Highest Strength Neutral Cure Silicone RTV Adhesive Sealant

US-HS-9441 is a high strength, neutral curing silicone RTV adhesive rubber. This product was developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that allows handling of the bonded assembly within one hour of application to the substrate. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to most plastics, metal and glass
- Fast onset of adhesion
- Non-corrosive oxime cure
- Temperature range -65°C to 260°C

Color: Translucent (custom colors available upon request)

Typical Applications:

- Assembly line adhesive
- Component assembly
- Industrial adhesive sealant

Cure System: Oxime cure system

Typical Properties

Uncured

Viscosity, cps: 500,000	Specific Gravity: 1.11
Consistency : thixotropic paste	Working time, mins. at Room Temperature: 8
Tack Free Time, mins. at Room Temperature: 15	
Application Rate, 90 PSI, g/min. 300, 3mm orifice at 0.6 MPa	

Cured 72 Hours at room temperature **Download PDF for Electrical Specifications***

Tensile Strength, PSI: 900	Elongation, %: 800
Durometer, Shore A: 50	Peel Strength, PPI: 100
Tear Strength, PLI: 100	

Method of Application: Dispense sealant onto part and mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air with exposure to ambient humidity. This method of application will result in a room temperature cured elastomer with very high adhesive properties.

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and glass

Service temperature: -65°C to 260°C

Limitations: Do not use product on head gaskets, solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-HS-9444

Selective Adhesion Neutral Cure Silicone RTV Adhesive Sealant

US-HS-9444 is a selective adhesion, neutral curing silicone RTV adhesive rubber engineered for applications requiring fast development of physical properties. This is a 1-Part silicone that when applied to aluminum and other metals in an assembly, allows adhesion only to the aluminum and allows release from other substrates. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to target materials, release from others
- Fast onset of adhesion
- Non-corrosive oxime cure

Color: Translucent (custom colors available upon request)

Typical Applications

- Assembly line adhesive
- Component assembly
- Adhesive Sealant

Cure System: Oxime cure system

Typical Properties

Uncured

Viscosity, cps: 500,000	Specific Gravity: 1.12
Consistency : thixotropic paste	Working time, mins. at Room Temperature: 8
Tack Free Time, mins. at Room Temperature: 15	

Cured – 72 Hours at Room Temperature: **Download PDF for Electrical and Thermal Specifications***

Tensile Strength, PSI: 9000	Elongation, %: 800
Durometer, Shore A: 50	Peel Strength, PPI: 100
Tear Strength, PLI: 200	

Method of Application: Dispense sealant onto part and mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air with exposure to ambient humidity. This method of application will result in a room temperature cured elastomer with very high adhesive properties.

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to target substrates

Service temperature: -65°C to 260°C

Limitations: Do not use product on head gaskets, solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SRB-201 & US-SRB-201-HE

Fast Cure Silicone Rubber Parts Bonder

US-SRB-201 is a fast curing, high strength, 1-part acetoxy silicone RTV adhesive rubber products developed for silicone rubber bonding. Both products are designed for situations requiring fast development of physical properties. **US-SRB-201-HE** is intended for applications demanding very high elongation (over 1000%). When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to silicone rubber parts
- Very high elongation silicone rubber
- Convenient, heat accelerated
- instant cure capability

Color: Transparent (custom colors available upon request)

Typical Applications

- Silicone rubber bonding and splicing
- Silicone component fabrication
- Prosthetic assembly and repair

Typical Properties

Uncured

Viscosity, cps: 500,000 Specific Gravity: 1.12 Consistency : thixotropic paste
Working time, mins 4 Tack Free Time, mins. 12
Application Rate, 90 PSI, g/min. 2503mm orifice at 0.6 MPa

BOTH Cured - Room Temperature

Physical Properties	**201**	**201 HE**
Tensile Strength, PSI	750	700
Elongation, %	750	>1000
Durometer, Shore A	40	30
Peel Strength, PPI	100	100
Tear Strength, PPI	100	100

Thermal Conductivity: 0.0005
Coefficient of Thermal Expansion: 20 x 10-5

Method Of Application: Dispense sealant onto part and mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Heat Accelerated Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. However, cure speed can be accelerated with hot air to nearly instant cures exhibiting very fast adhesion. A one minute hot air stream exposure, followed by a one minute cool down in a humid environment, results in cured elastomer exhibiting outstanding adhesion.

Packaging: 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes upon request.

Chemical cure system: Acetoxy cure system

Solids: 98% solids, contains no solvents

Service Temperature: -45°C to +260°C

Adhesion: Primerless adhesion to silicone rubber parts.

Limitations: Allow sealant to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SP1-201

High Elongation up to 1000% RTV Low Modulus High Strength Silicone Adhesive

US-SP1-201 is a fast curing, high strength, 1-part acetoxy silicone RTV. This is an adhesive developed specifically for bonding to cured silicone rubber. Designed for situations requiring fast development of physical properties. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to silicone rubber parts
- Very high elongation silicone rubber
- Convenient, heat accelerated
- instant cure capability

Color: Transparent (custom colors available upon request)

Typical Applications

- Silicone rubber bonding and splicing
- Silicone component fabrication
- Prosthetic assembly and repair

Typical Properties

Uncured

Viscosity, cps: 500,000 Specific Gravity: 1.12 Consistency : thixotropic paste
Working time, mins : 4 Tack Free Time, mins. 12
Application Rate, 90 PSI, g/min. 250, 3mm orifice at 0.6 MPa

BOTH Cured - Room Temperature

Physical Properties

Tensile Strength, PSI: 700 Elongation, %: >1000
Durometer, Shore A: 30 Peel Strength, PPI: 100
Tear Strength, PPI: 100 Thermal Conductivity: 0.0005
Coefficient of Thermal Expansion: 20 x 10-5

Method Of Application: Dispense sealant onto part and mate parts. Do not squeeze all of the product out of flange assembly. Allow to cure.

Heat Accelerated Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. However, cure speed can be accelerated with hot air to nearly instant cures exhibiting very fast adhesion. A one minute hot air stream exposure, followed by a one minute cool down in a humid environment, results in cured elastomer exhibiting outstanding adhesion.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes upon request.

Chemical cure system: Acetoxy cure system

Solids: 98% solids, contains no solvents

Service Temperature: -45°C to +260°C

Adhesion: Primerless adhesion to silicone rubber parts.

Limitations: Allow sealant to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-MSK-114
Masking RTV Peelable Silicone Rubber

US-MSK-114 is a peelable silicone RTV rubber developed for applications requiring a form fitting temporary protective cover. This is a 1-Part silicone adhesive that when applied to the substrate, cures to a pliable, removable, protective covering within a day. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in automatic and manual dispensing equipment.

Product Features

- Fast Room Temperature cure
- Light paste
- Clean release from plastics, metals, and painted wood
- Non-corrosive oxime cure

Color: Translucent (custom colors available upon request)

Typical Applications

- Peelable protective covering for sandblasting.
- Metal masking for plating operations
- Temporary weather stripping

Typical Properties

Uncured

Viscosity, cps: 80,000 Specific Gravity: 0.98 Consistency : light paste
Working time, mins. at Room Temperature: 8
Tack Free Time, mins. at Room Temperature: 20
Application Rate, 90 PSI, g/min. >400, 3mm orifice at 0.6 MPa

Cured 72 Hours at Room Temperature

Tensile Strength, PSI: 100 Elongation, % :100
Durometer, Shore A: 30

Method of Application: Dispense onto areas that require masking. Allow product to cure before using parts.

Chemical cure system: Oxime cure system

Curing: Cure speed can be accelerated with heat and increased humidity to very rapid cures. Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured, protective elastomer is formed.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 55 gallon drums. This product is also available in customer defined packaging sizes upon request.

Solids: 98% solids, contains no solvents

Abhesion: Abhesion to most plastics, metals and painted wood. Offers a clean release when temporary use expires.

Service temperature: -65°C to +260°C

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70 F.

US-HTG-165

High Temperature Sealant for Gaskets. Porosity Filler for Gaskets and Flanges

US-HTG-165 is a high temperature gasket dressing. Developed as a non-running gel sealant, this product provides high-tack properties to gaskets. This adhesive sealant fills microscopic voids between the gasket and clamping surfaces. Unlike competitive offerings, it will not lose physical properties when subjected to extreme temperatures.

Product Features

- Non-hardening
- High temperature >600F
- Resists engine fluids
- Non-organic
- Considered safe in California (solvent free)

Color: Blue (custom colors available upon request)

Typical Applications

- Gearbox assemblies
- Oil Pans
- Transmission Pans

Typical Properties

Specific Gravity: 0.90	Appearance: thixotropic gel
Odor: none	Solids: 100%
VOC's : <1	Flashpoint : 600°F

Method of Application: Dispense dressing onto gasket and flange surface. Install component and tighten fasteners to the manufacturer's torque specifications, thus sealing all surface irregularities with the fastener clamping force.

Chemical cure system: Oxime cure system

Solids: 98% solids , contains no solvents.

Service temperature: -45°C to 260°C

Limitations: Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Packaging: Available in 8, 40, and 400 lb containers.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM 9985675 and GM low volatility requirements.

US-HT-903

Highest Temperature Silicone RTV Adhesive Sealant Usable to 300°C/572°F for Kilns and Exhausts

US-HT-903 is a fast curing silicone RTV adhesive rubber developed for high temperature applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to metals, glass and ceramics
- Very fast onset of adhesion
- Exceptional high temperature resistance
- Non-corrosive oxime cure
- Temperature range -65 to 300C

Typical Applications

- Assembly line adhesive
- Form in place gaskets
- Adhesive Sealant

Color: Copper tone (Custom colors available upon request)

Typical Properties

Uncured:

Viscosity, cps: 400,000 Specific Gravity: 1.28 Consistency : thixotropic paste
Working time, mins. at Room Temperature: 8
Tack Free Time, mins. at Room Temperature: 20
Application Rate, 90 PSI, g/min. >1000 3mm orifice at 0.6 MPa

Cured 72 Hours at Room Temperature

Tensile Strength, PSI: 300 Elongation, %: 350 Durometer, Shore A: 36
Peel Strength, PPI: 20

HEAT AGED 24 Hours at 300°C

Durometer: 33 (-13%) Tensile: 186 (-38%) Elongation: 245 (-30%)

Method of Application: Dispense sealant onto part and mate parts. Be sure not to squeeze all of the product out of flange assembly. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70 F.

Applicable standards: Conforms to GM 9985675 and GM low volatility requirements.

US-SP1-903

Difficult Substrates Silicone RTV Adhesive

US-SP1-903 is a fast curing silicone RTV adhesive rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to all rubbers, metals, and most composites and plastics (including polystyrene, polycarbonate, nylon, pvc pipe)
- Rapid onset of adhesion
- High temperature resistant
- Non-corrosive oxime cure
- Temperature range -65°C to 260°C

Typical Applications

- Industrial Bonding
- Form in place gaskets
- Adhesive Sealant

Colors: White (Custom colors available upon request)

Typical Properties

Uncured:

Viscosity, cps: 400,000 Specific Gravity: 1.28 Consistency : thixotropic paste
Working time, mins. at Room Temperature: 8
Tack Free Time, mins. at Room Temperature: 20
Application Rate, 90 PSI, g/min. >1000 3mm orifice at 0.6 MPa

Cured – 72 Hours at Room Temperature ***Download PDF for Electrical Specifications***

Tensile Strength, PSI 275	Elongation, % 450
Durometer, Shore A 35	Peel Strength, PPI 20

Method of Application: Dispense sealant onto part and mate parts. Be sure not to squeeze all of the product out of flange assembly. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

Chemical cure system: Oxime cure system

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids: 96% solids

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM 9985675 and GM low volatility requirements.

US-SP-909

EPDM Rubber Silicone RTV Adhesive

US-SP-909 is a fast curing silicone RTV adhesive rubber developed for applications requiring adhesion to EPDM (ethylene propylene diene monomer rubber). This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to EPDM rubber
- Rapid onset of adhesion
- High temperature resistant
- Non-corrosive oxime cure
- Temperature range -65°C to 260°C

Typical Applications

- EPDM bonding
- Form in place gaskets
- Adhesive Sealant

Colors: White (Custom colors available upon request)

Typical Properties

Uncured:

Viscosity, cps 400,000 Specific Gravity 1.28 Consistency : thixotropic paste
Working time, mins. at Room Temperature: 8
Tack Free Time, mins. at Room Temperature: 20
Application Rate, 90 PSI, g/min. >1000 3mm orifice at 0.6 MPa

Cured – 72 Hours at Room Temperature ***Download PDF for Electrical Specifications***

Tensile Strength, PSI: 275 Elongation, %: 450
Durometer, Shore A: 35 Peel Strength, PPI: 20

Method of Application: Dispense sealant onto part and mate parts. Be sure not to squeeze all of the product out of flange assembly. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

Chemical cure system: Oxime cure system

Packaging: Adhesive is available in 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids: 96% solids

Adhesion: Primerless adhesion to EPDM rubber

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM 9985675 and GM low volatility requirements.

US-SP-5403

Radiator and Charged Air Cooler Sealant Coating Liquid Silicone RTV

US-SP-5403 is a fast curing silicone RTV adhesive rubber developed for radiator sealing applications that require fast development of physical properties and excellent adhesion. This is a two part, 1:1 mix ratio silicone that when mixed and applied to the substrate allows handling of the coated radiator assembly within minutes. When cured the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in static mix dispensing equipment.

Product Features

- Highest OAT Fluid Resistance
- Fast deep section cure
- Self leveling RTV
- Neutral cure
- Excellent unprimed adhesion to metal radiator assemblies
- Convenient 1:1 mix ratio
- Temperature range -65 to 260C
- Long term high temperature stability in the field

Typical Applications

Adhesive sealing of metal parts
Assembly line coating
Radiator and charged air cooler adhesive sealer coating

Typical Properties

Uncured

	Part A	Part B	Mix
Color	Gray	White	Silver
Viscosity, cps	10,000	10,000	10,000
Specific Gravity	1.25	1.25	1.25

Consistency mixed: fast gelling liquid
Working time, mins at Room Temperature: <10
Tack Free Time, mins. at Room Temperature: 15

Cured 72 Hrs at Room Temperature

Hardness, Shore A: 30 minutes: 15 24 hours: 25
Tensile Strength, PSI 150 Elongation, % 200
Peel Strength, PPI 40 Lap Shear Strength, PSI 100
Thermal conductivity 0.0005 Coefficient of Thermal Expansion 20 x 10^-5
Volume Resistivity: 2.0 X 10^14

Mixing Instructions: The preferred method of mixing and application is through a static mixer at a 1:1 mix ratio by volume. The substrates should be held in place for 10 minutes while the adhesive is curing.

Depth of cure vs time: Very firm deep section cures are formed in 15 minutes. Ultimate cured properties are found in 24 hours.

Packaging: Available in 18 lb. kits, 90 lb. kits and 1000 lb. kits. This product is also available in customer defined packaging sizes, upon request.

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Service temperature: -65C to +260C continuous

Limitations: Allow to fully cure before putting assembly into service.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-SP-9003

Sound Dampening Silicone Rubber Undercoating

US-SP-9003 is a fast cure silicone RTV rubber developed for spray undercoating of passenger vehicles, trucks and heavy equipment. This is a 1-Part silicone that when cured offers sound dampening properties in a fireproof rubber coating. This product is superior to petroleum / asphalt based undercoatings in both abrasion and fire resistance. Works well in manual and automatic spraying equipment.

Product Features

- Fireproof
- Fast room temperature cure
- Exceptional abrasion resistance
- Sprayable
- Excellent adhesion to metals and composite substrates
- Temperature range -40 to 260C

Color: Black

Typical Applications

- Vehicle undercoating
- Aircraft interior NVH reduction
- Vehicle interior sound dampening

Typical Properties

Uncured

Viscosity, cps: 200,000	Specific Gravity: 1.12
Consistency: thick liquid	Working time, mins. at Room Temperature: 20

Cured - Room Temperature

Tensile Strength, PSI: 300
Elongation, %: 260
Durometer, Shore A: 38
Peel Strength, PPI: 40

ONR TEST RESULTS

SOUND DAMPENING: SAE J1400 – Airborne sound barrier test 0.020 thick: 43db
FIRE RESISTANCE: MIL-PRF-24596 0.020: pass
CHIP RESISTANCE: ASTM D3170: pass
ABRASION/EROSION: ASTM D3359: pass

Method of Application: Apply two coats of 25mils. Allow to cure 24 hours prior to use.

Chemical cure system: Condensation cure system

Solids: >50% solids, contains no VOC solvents

Service temperature: -40 to 260C

Limitations: Do not use product in a fuel or solvent immersion application. Allow to fully cure before putting assembly into service.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SP-9018

Thixotropic Deep Section Cure Silicone Adhesive Paste

US-SP-9018 is a fast curing, thixotropic adhesive silicone RTV. This is a 2-part RTV that when mixed, applied and cured, results in a silicone adhesive sealant rubber to be formed within 10 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Fast deep section, neutral cure
- Thixotropic paste
- Excellent adhesion and conformation to plastic, metal and glass parts
- Self priming adhesive sealant

Typical Applications

- Large bonding applications
- Fixturing adhesive
- Deep section cure adhesive

Colors: Translucent (custom colors available upon request)

Service temperature: -45°C to 250°C continuous

Typical Properties

***Uncured**:*

Viscosity, cps 90,000	Specific Gravity 1.08
Consistency: Thixotropic paste	Working time at Room Temperature: 120 minutes
Cure Time at 150 C: 10 minutes	

Cured 10 minutes at 150C: **- *Download PDF for Electrical Specifications***

150 C 10 minutes
Hardness, Shore A 24
Tensile, PSI 500
Elongation, % 450
Tear Strength, PPI 100
Peel Strength, PPI 100

CURE SPEED OPTIONS

	Standard	Fast	Very Fast
WORK TIME at Room Temperature	>120min	20min	2min
CURE TIME at Room Temperature	24hrs	1.5hrs	15mins

Mixing Instructions: The preferred method of application is robotically through a static mixer.

Handling precautions: This is a Platinum Cure system product. The catalyst can be deactivated by exposure to sulfur containing compounds like thiols, sulfides, sulfates, organic rubber containing sulfur, nitrogen containing compounds like amines, amides, imides, azides, tin metals or compounds, or tin cured RTV's.

Depth of cure vs time: Very firm deep section cures are formed with heat in 15 minutes. Ultimate cured properties are found in 24 hours.

Chemical Cure System: Addition Cure System

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 400 ml. dual syringes, 8 lb., 40 lb. and 400 lb. kits. This product is also available in customer defined packaging sizes, upon request.

Solids: >99% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product on automotive head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges or parts to be bonded to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant can irritate eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70 F.

US-SP-1794

Heavy Bodied Automotive Silicone RTV Gasket Maker

US-SP-1794 is a fast curing, heavy bodied silicone RTV adhesive rubber. This product was developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that allows handling of the bonded assembly within one hour of application to the substrate. When cured, the elastomer resists typical automotive fluids and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic, heavy bodied paste
- Excellent unprimed adhesion to most plastics, metal and glass
- Non-corrosive oxime cure
- Rapid onset of adhesion
- High temperature resistance
- Temperature range -65 to 260C

Color: Black (custom colors available upon request)

Typical Applications

- Form in place gaskets
- Adhesive Sealant
- Automotive assembly and MRO

Chemical cure system: Oxime cure system

Typical Properties

Uncured

Viscosity, cps: 700,000 Specific Gravity: 1.32 Consistency : thixotropic paste
Working time, in minutes, at Room Temperature: 5
Tack Free Time, in minutes, at Room Temperature: 10

Cured 24 Hours at Room Temperature

Tensile Strength, PSI: >250 Elongation, %: >350
Durometer, Shore A: 32 Peel Strength, PPI: 30 Tear Strength, PLI: 30

Method of Application: Dispense sealant onto part and mate parts. Do not squeeze all the product out of flange assembly. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air with exposure to ambient humidity. This method of application will result in a room temperature cured elastomer with very high adhesive properties.

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and glass

Service temperature: -65°C to 260°C

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Applicable standards and O.E.M. part number interchange

- Chrysler - 4206070, 4318025
- Ford - D6AZ-19562-B, E8AZ-19562-A, WSE-M46320-A2
- G.M. - 9985675, 1052751, 1052917, 12345739

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SP-17097

Gray Automotive Silicone RTV Gasket Maker High Resistance to Fluids

US-SP-17097 is a silicone RTV adhesive rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that allows handling of the bonded assembly within one hour of application to the substrate. When cured, the elastomer resists typical automotive fluids and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to most plastics, metal and glass
- Non-corrosive oxime cure
- Rapid onset of adhesion
- High temperature resistance
- Temperature range -65°C to 260°C

Color: Gray (custom colors available upon request)

Typical Applications

- Form in place gaskets
- Adhesive Sealant
- Automotive assembly and MRO

Chemical cure system: Oxime cure system

Typical Properties

Uncured

Viscosity, cps 500,000	Specific Gravity 1.45
Consistency : thixotropic paste	
Working time, mins. at Room Temperature: 5	
Tack Free Time, mins. at Room Temperature: 15	
Application Rate 220-550 90PSI, g/min. 3mm orifice at 0.6 MPa	

Cured 24 Hours at Room Temperature

Tensile Strength, PSI >400	Elongation, % 200
Durometer, Shore A 45	Peel Strength, PPI 40
Tear Strength, PLI 35	

Method of Application: Dispense sealant onto part and mate parts. Do not squeeze all the product out of flange assembly. Allow to cure.

Curing: Typical utilization involves dispensing in open air with exposure to ambient humidity. This method of application will result in a room temperature cured elastomer with very high adhesive properties.

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and glass

Service temperature: -65°C to 260°C

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life

Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable Standards and O.E.M. part number interchange

- Acura - 08718550030E
- Chrysler - 82300234, 82300235
- Daewoo - AA 1204020
- Ford - WSE-M4G-323-A5
- G.M. - 12346240, 9985943
- Suzuki – 99104-31140, 99104-31160
- Honda - 296380, 296381, 08718-001, HC2963817, 08718-5000040E, 08718-0003
- Hyundai - 231-13800, 4C116-21000
- Isuzu - 1215, 1216, 1207D
- Maxion – 0710129
- Mazda – 77-300C-30
- Mitsubishi – MD997740, MD997110, MD970389, 3M8704, ACH1ZC1X02, ACH1ZC1X03, 3M8678, 3M8679, 3M8672
- Nissan - 999MPAM003, 999MP-A7007, KPS51000150
- Subaru - 004403007, TB1215, TB1207, TB1217B, 3MT3#08670
- Toyota - 00001-01001, 00001-01002, 00295-00102, 00295-01208, 00295-01282, 00295-01281, 004403007, TB-1215, TB1217B, TB1207, 3MT3#08670

US-SP-17700

Heavy Bodied Automotive Silicone RTV Gasket Maker

US-SP-17700 is a fast curing, heavy bodied silicone RTV adhesive rubber. This product was developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that allows handling of the bonded assembly within one hour of application to the substrate. When cured, the elastomer resists typical automotive fluids and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features
- Fast Room Temperature cure
- Thixotropic, heavy bodied paste
- Excellent unprimed adhesion to most plastics, metal and glass
- Non-corrosive oxime cure
- Rapid onset of adhesion
- High temperature resistance
- Temperature range -65°C to 550°F

Color: Black (custom colors available upon request)

Typical Applications
- Form in place gaskets
- Adhesive Sealant
- Automotive assembly and MRO

Chemical cure system: Oxime cure system

Typical Properties

Uncured

Viscosity, cps 800,000 Specific Gravity 1.33
Consistency : thixotropic paste
Working time, mins. at Room Temperature: 5
Tack Free Time, mins. at Room Temperature: 10

Cured 24 Hours at Room Temperature

Tensile Strength, PSI >250 Elongation, % >250
Durometer, Shore A 40 Peel Strength, PPI >50
Tear Strength, PLI >50

Method of Application: Dispense sealant onto part and mate parts. Do not squeeze all the product out of flange assembly. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air with exposure to ambient humidity. This method of application will result in a room temperature cured elastomer with very high adhesive properties.

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and glass

Service temperature: -65°C to 550°F

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Applicable Standards and O.E.M. part number interchange
- Chrysler - 4883971 and GF-44-A
- Daewoo - PS9120016
- Ford - WSE-M4G-323-A6
- G.M. - 1237849, 998-5990, • 123446286
- Land Rover – LRNA-25223
- Mercedes Benz – A0029897320
- Mitsubishi – 3M8663, 3M8672, 3M8678, 3M8679, 3M8661
- Saturn – 2109581

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70 F.

US-SP-17997

Heavy Bodied Silicone RTV: Used Extensively for Import Auto Applications

US-SP-17997 is a fast curing silicone RTV adhesive rubber developed for import automotive gasketing. This is a 1-Part silicone adhesive that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists typical automotive fluids and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Thixotropic paste
- Excellent unprimed adhesion to many plastics, metal and glass
- Rapid onset of adhesion
- High temperature resistant
- Non-corrosive oxime cure
- Temperature range -65°C to +260°C

Typical Applications

- Form in place gaskets
- Adhesive Sealant
- Automotive Assembly and MRO

Colors: Gray (custom colors available upon request)

Service Temperature: -65°C to +260°C

Typical Properties

Uncured

Viscosity 700,000 Specific Gravity 1.5 Consistency : thixotropic paste
Working time, mins. at Room Temperature: 5
Tack Free Time, mins. at Room Temperature: 15

Cured 24 Hours at Room Temperature

Tensile Strength, PSI >400Elongation, % 200 Durometer, Shore A 45
Peel Strength, PPI 40 Tear, PPI 35

Method of Application: Dispense sealant onto part and mate parts. Be sure not to squeeze all of the product out of flange assembly. Allow to cure.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured elastomer with high adhesive properties is formed.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 50 lb. pails and 500 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70 F.

Applicable Standards and O.E.M. part number interchange

- Acura - 08718550030E
- Chrysler - 82300234, 82300235
- Daewoo - AA 1204020
- Ford - WSE-M4G-323-A5
- G.M. - 12346240, 9985943
- Honda - 296380, 296381, 08718-001, HC2963817, 08718-5000040E, 08718-0003
- Hyundai - 231-13800, 4C116-21000
- Isuzu - 1215, 1216, 1207D
- Maxion – 0710129
- Mazda – 77-300C-30
- Mitsubishi – MD997740, MD997110, MD970389, 3M8704, ACH1ZC1X02, ACH1ZC1X03, 3M8678, 3M8679, 3M8672
- Nissan - 999MPAM003, 999MP-A7007, KPS51000150
- Subaru - 004403007, TB1215, TB1207, TB1217B, 3MT3#08670
- Suzuki – 99104-31140, 99104-31160
- Toyota - 00001-01001, 00001-01002, 00295-00102, 00295-01208, 00295-01282, 00295-01281, 004403007, TB-1215, TB1217B, TB1207, 3MT3#08670

US-SL-9018

Self Leveling Deep Section Cure Adhesive Liquid

US-SL-9018 is a fast curing, self-leveling adhesive silicone RTV. This is a 2-part RTV that when mixed, applied and cured, results in a silicone adhesive sealant rubber to be formed within 10 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Fast deep section, neutral cure
- Self-leveling liquid
- Excellent adhesion and conformation to plastic, metal and glass parts
- Self priming adhesive sealant

Typical Applications

- Coatings applications
- Encapsulating adhesive
- Deep section cure adhesive

Color: Translucent (custom colors available upon request)

Service temperature: -45°C to +250°C continuous

Typical Properties

Uncured:
Viscosity, cps 22,000
Specific Gravity: 1.03
Consistency: self-leveling liquid
Working time at Room Temperature: 120 minutes
Cure Time at 150 C: 10 minutes

Cured 10 Minutes at 150°C **Download PDF for Electrical Specifications***
Hardness, Shore A 30
Tensile, PSI 200
Elongation, % 250

CURE SPEED OPTIONS

	Standard	Fast	Very Fast
WORK TIME at Room Temperature	>120min	20min	2min
CURE TIME at Room Temperature	24hrs	1.5hrs	15mins

Mixing Instructions: The preferred method of application is robotically through a static mixer. The RTV should be held level while the silicone is curing.

Handling precautions: This is a Platinum Cure system product. The catalyst can be deactivated by exposure to sulfur containing compounds like thiols, sulfides, sulfates, organic rubber containing sulfur, nitrogen containing compounds like amines, amides, imides, azides, tin metals or compounds, or tin cured RTV's.

Depth of cure vs time : Very firm deep section cures are formed with heat in 15 minutes. Ultimate cured properties are found in 24 hours.

Chemical Cure System: Addition Cure System

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 400 ml. dual syringes, 8 lb.,40 lb. and 400 lb. kits. This product is also available in customer defined packaging sizes, upon request.

Solids: >99% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product on automotive head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges or parts to be bonded to be effective in an assembly.

Handling and Safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant can irritate eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SL-19992

One Part Self Leveling Conformal Coating RTV Adhesive Sealant

US-SL-19992 is a 1-part silicone RTV developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. High flexibility is combined with an oxime cure to result in a durable silicone conformal coating.

Product Features
- Low Viscosity
- Neutral Cure
- Fast room temperature cure
- Self-leveling liquid RTV
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics

Product Applications
- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting and encapsulation

Color: Clear (custom colors available upon request)

Service temperature: -65°C to 250°C

Typical Properties

Uncured Specific Gravity 0.98 Viscosity 100 cps.
Tack Free Time at Room Temperature 20 minutes

Cured 24 Hours at Room Temperature **Download PDF for Electrical Specifications***

Durometer, Shore A 10

Method of Application: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product in fuel immersion applications. Allow to fully cure before putting assembly into service.
Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.
Handling and Safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant can irritate eyes and skin. Refer to MSDS.
Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.
Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SL-27561

One Part Self Leveling Conformal Coating RTV Adhesive Sealant

US-SL-27561 is a 1-part silicone RTV developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. High flexibility is combined with an oxime cure to result in a durable silicone conformal coating.

Product Features
- Low Viscosity
- Neutral Cure
- Fast room temperature cure
- Self-leveling liquid RTV
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics

Product Applications
- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting and encapsulation

Color: Clear (custom colors available upon request)

Service temperature: -65°C to 250°C

Typical Properties

Uncured
Specific Gravity 0.98
Viscosity 1,000 cps.
Tack Free Time at Room Temperature 20 minutes

Cured 24 Hours at Room Temperature **Download PDF for Electrical Specifications***
Durometer, Shore A 17

Method of Application: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.
Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product in fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and Safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant can irritate eyes and skin. Refer to MSDS.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SL-15003

Self-Leveling Acetoxy Cure Silicone RTV Liquid Adhesive Coating

US-SL-15003 is a 1-part silicone RTV developed for coating applications. It offers unprimed adhesion to many metals and plastics. When cured, results in a very flexible and durable silicone adhesive coating. The elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Fast Room Temperature cure
- Self- leveling liquid RTV
- Adhesion to metals and many plastics
- Temperature range -65°C to +250°C

Color: Translucent (custom colors available upon request)

Typical Applications

- Coating assemblies
- Industrial sealing
- Thin section potting & encapsulation

Typical Properties

Uncured

Viscosity, cps 30,000-40,000 Specific Gravity 1.03 Consistency : self leveling liquid
Working time, mins. at Room Temperature: 8
Tack Free Time, mins. at Room Temperature: 14

Cured 72 Hours at Room Temperature

Tensile Strength, PSI 325 Elongation, % 325 Durometer, Shore A 25
Peel Strength, PPI 40

Method of Application: Dip or dispense coating onto assembly, allow product to cure.

Chemical cure system: Acetoxy cure system

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a durable adhesive rubber coating.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Service temperature: -65°C to +250°C

Limitations: Do not use product on head gaskets, or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service. Insure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.
Applicable standards
Conforms to: MIL-A-46106B Type II Group I

US-SL-18003

Self-Leveling Neutral Cure Liquid Silicone RTV Adhesive Coating

US-SL-18003 is a 1-part silicone RTV developed for coating applications. It offers unprimed adhesion to many metals and plastics. When cured, results in a very durable silicone adhesive coating. The elastomer resists weathering, ozone, moisture, UV and high temperature.

Product Features. Fast Room Temperature cure. Self- leveling liquid RTV. Neutral cure. Adhesion to metals and many plastics. Temperature range -65°C to +250°C

Color: Translucent. (custom colors available upon request)

Typical Applications. Coating assemblies. Industrial sealing. Thin section potting & encapsulation

Typical Properties

Uncured

Viscosity, cps 30,000-40,000
Specific Gravity 1.03
Consistency : self leveling liquid
Working time, mins. at Room Temperature: 10
Tack Free Time, mins. at Room Temperature: 20

Cured 72 Hours at Room Temperature **Download PDF for Electrical Specifications***
Tensile Strength, PSI 300
Elongation, % 300
Durometer, Shore A 25
Peel Strength, PPI 40

Method of Application. Dip or dispense coating onto assembly, allow to cure.

Chemical cure system. Oxime cure system

Curing. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a durable adhesive rubber coating.

Packaging. Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 8 lb. containers, 40 lb. pails and 440 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Service temperature. -65°C to +250°C

Limitations. Do not use product in a fuel or solvent immersion application. Allow to fully cure before putting assembly into service.

Handling and safety. For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life. Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-TCGF-6012

US-TCGF-6015

US-TCGF-6021

US-TCGF-6021A

US-TJC-720

US-TCC-9015

US-TCA-105

US-TCA-11823

Silicone Gels

These silicones are generally used to protect delicate components from impact, vibration and shock, and also protect components from moisture, airborne contaminants.

Silicone Gels are either one or two component, platinum cure system, which form a soft gel-like elastomer when cured.

Products

Product	Characteristics	Page
US-HC-456	Heat Cure: 1 Part: 10 Shore A	47
US-HC-12183	Heat Cure: 1 Part: Conformal Coating / Gel	48
US-VSD-3000	2 part Vibration & Shock dampening elastomer. 2 part.	49
US-VSD-12180	Low Dampening. 60 Shore 00, Silicone Gel. 2 part.	50
US-VSD-15180	Medium Dampening. 30 Shore 00, Silicone Gel. 2 part	51
US-VSD-18180	High Dampening, 2 Shore 00, Silicone Gel. 2 part	52
US-VSD-18240	Very High Dampening. <1 Shore 00, Silicone Gel. 2 part	53
US-VSD-15183	Very Low Specific Gravity Encapsulant. Used extensively for hand-held electronics. 2 part	54
US-SPG-18417	Repenetrable Gel for scientific & electronics probe entry applications. 2 part	55

US-HC-456

Heat Cure 1 Part Silicone Gel – 10 Shore A Hardness

1-part, heat cure silicone developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. Heated cures result in a tough and durable silicone conformal coating.

Product Features

- Neutral Addition Cure
- Fast heat cure
- Self-leveling liquid
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics
- Convenient 1 part system

Product Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting & encapsulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured

Specific Gravity: 0.98	Color: Clear	Solids: 100 %
Shelf Life: 12 MONTHS	Viscosity: 600 cps.	Tack Free Time at 110°C: 15 minutes

Cured 20 minutes at 110°C

Durometer, Shore A: 10	Dielectric Strength, kv/mm: 13
Dielectric Constant: 2.4	Dissipation Factor at 1kHz: 0.01
Thermal conductivity: 0.0005	

Application Methods: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Curing: Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primerless adhesion to plastics, metals and typical substrates.

Service temperature: -65°C to +250°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-HC-12183
Heat Cure 1 Part Silicone Gel Conformal Coating

heat curing silicone RTV developed for encapsulation and conformal coating applications. This is a 1-Part silicone that when heated to 150°C, cures in less than 30 minutes forming a tough silicone rubber.

Product Features

- Transparent encapsulant
- Addition cure liquid
- Excellent moldability and conformation to plastic, metal and glass parts
- Convenient 1-Part system
- Fluoresces under UV light for inspection

Typical Applications

- Electronic component vibration
- Shock and thermal insulation
- Dust and moisture protection
- Dielectric and insulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured:

Color: Water white, clear	Viscosity, cps: 900	Specific Gravity: 0.90
Consistency: Self-leveling, light liquid	Pot-life at Room Temperature: 12 months	
Cure time at 150°C: < 30 minutes	Odor: none	

Cured:

Shore 00: 60	Tensile: 100 PSI	Elongation: 200%
By-products: none	Shrinkage: none	Corrosivity: none
Temperature range: -65°C to 250°C		

Application Methods: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primerless adhesion to plastics, metals and typical substrates.

Service temperature: -65°C to +250°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, a 25 ml syringe, one pound cans, 8 lb. gallon containers and 40 lb. 5 gallon pails. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-VSD-3000

2 Part Vibration and Shock Dampening Silicone Gel

This is a fast curing rubber coating developed for shock dampening and vibration isolation applications. This is a 2-Part silicone that when cured, allows handling of the parts within minutes. Works well in automatic and manual dispensing equipment.

Product Features

- Room temperature cure or fast heat cure silicone rubber
- 2-part 1:1 mix
- Pourable and self-leveling
- Temperature range –40°C to +260°C

Color: Translucent (custom colors available upon request)

Typical Applications

- Vibration isolation
- Severe impact cushioning
- Shock dampening

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured:

Viscosity, cps: 100,000
Specific Gravity: 1.05
Consistency mixed: thick liquid
Working time at Room Temperature: 15mins.
Cure time at 150°C: 5 minutes
Cure time at Room Temperature: 60-120mins.

Cured:

Tensile Strength, PSI: >300
Elongation, %: >300
Tear Strength, PPI: 25
Coefficient of Thermal Expansion: 20 x 10^{-5}

Mixing Instructions: The preferred method of mixing and application is through a static mixer at a 1:1 mix ratio by volume.

Handling precautions: This is a Platinum Cure system product. The catalyst can be deactivated by exposure to sulfur containing compounds like thiols, sulfides, sulfates, organic rubber containing sulfur, nitrogen containing compounds like amines, amides, imides, azides, tin metals or compounds, or tin cured RTV's.

Service temperature: -40°C to +260°C

Limitations: Do not use product on head gaskets or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 400 ml. cartridges, 40 lb. pail kits and 400 lb. drum kits. This product is also available in customer defined packaging sizes, upon request.

Handling and safety
For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life
Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-VSD-12180

Low Dampening 2 Part Silicone Gel RTV 30 ShoreA

US-VSD-12180 is a room temperature curing silicone RTV gel. Developed for applications requiring a fast cure silicone gel product. This is a two part, 1:1 mix ratio silicone that when mixed at room temperature, cure in 180 minutes, or when exposed to heat results in a cured gel in 15 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

Addition cure liquid
Excellent moldability and conformation to plastic, metal and glass parts
Convenient 1:1 mix ratio
Clear silicone rubber

Color: Clear (custom colors available upon request)

Typical Applications

Clear potting or encapsulation of parts
Electronic component vibration,
shock and thermal insulation
Dust and moisture protection
Dielectric insulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured

Viscosity, cps: 1,000 Specific Gravity: 0.98 Consistency mixed: light liquid
Pot-life at Room Temperature:120 minutes Cure time at Room Temperature: 180 minutes
Cure time at 150°C: 15 minutes

Cured

Cured	US-VSD-12180	US-VSD-15180	US-VSD-18180	US-VSD-18240
Shore A	30	10	<0	<0
Shore 00	80	60	1 to 2	<0
Dampening	low	medium	high	very high
Penetration	low	low	60	80

Mixing Instructions: The preferred method of mixing and application of gels is by using a 1:1 mix ratio by volume or weight and then degassing. These can also be mixed and dispensed through automatic equipment.

Depth of cure vs time: Within 30 to 60 minutes, any depth of application filled with this product will be cured and fully encapsulated.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 98% solids, contains no solvents

Adhesion: Peelable & Adhesive versions available. Please specify when ordering.

Service temperature: -65°C to 250°C continuous

Limitations: Do not use product on head gaskets, or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: These gels are available in 50 ml. dual syringes, one pound kits, 16 lb. kits and 80 lb. kits. These product are also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-VSD-15180

Medium Dampening 2 Part 10 ShoreA Low Durometer Silicone Rubber Gel

This is a room temperature curing silicone RTV gel. These were developed for applications requiring a fast cure silicone gel product. All are two part, 1:1 mix ratio silicone that when mixed at room temperature, cure in 180 minutes, or when exposed to heat results in a cured gel in 15 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features
Addition cure liquid
Excellent moldability and conformation to plastic, metal and glass parts
Convenient 1:1 mix ratio
Clear silicone rubber

Color: Clear (custom colors available upon request)

Typical Applications
Clear potting or encapsulation of parts
Electronic component vibration,
shock and thermal insulation
Dust and moisture protection
Dielectric insulation

Chemical cure system
Platinum catalyzed, addition cure system.

Typical Properties

Uncured

Viscosity, cps: 1,000 Specific Gravity: 0.98 Consistency mixed: light liquid
Pot-life at Room Temperature:120 minutes
Cure time at Room Temperature: 180 minutes Cure time at 150 C 15 minutes

Cured

Cured	US-VSD-12180	US-VSD-15180	US-VSD-18180	US-VSD-18240
Shore A	30	10	<0	<0
Shore 00	80	60	1 to 2	<0
Dampening	low	medium	high	very high
Penetration	low	low	60	80

Mixing Instructions: The preferred method of mixing and application of gels is by using a 1:1 mix ratio by volume or weight and then degassing. These can also be mixed and dispensed through automatic equipment.

Depth of cure vs time : Within 30 to 60 minutes, any depth of application filled with this product will be cured and fully encapsulated.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 98% solids, contains no solvents

Adhesion: Peelable & Adhesive versions available. Please specify when ordering.

Service temperature: -65 to 250C continuous

Limitations: Do not use product on head gaskets, or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: These gels are available in 50 ml. dual syringes, one pound kits, 16 lb. kits and 80 lb. kits. These product are also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-VSD-18180

High Dampening 2 Part 0 ShoreA Low Durometer Silicone Rubber Gel

This is a room temperature curing silicone RTV gel. These were developed for applications requiring a fast cure silicone gel product. All are two part, 1:1 mix ratio silicone that when mixed at room temperature, cure in 180 minutes, or when exposed to heat results in a cured gel in 15 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features

- Addition cure liquid
- Excellent moldability and conformation to plastic, metal and glass parts
- Convenient 1:1 mix ratio
- Clear silicone rubber

Color: Clear (custom colors available upon request)

Typical Applications

- Clear potting or encapsulation of parts
- Electronic component vibration,
- shock and thermal insulation
- Dust and moisture protection
- Dielectric insulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured:

Viscosity, cps: 1,000 Specific Gravity: 0.98 Consistency mixed: light liquid
Pot-life at Room Temperature:120 minutes Cure time at Room Temperature: 180 minutes
Cure time at 150°C: 15 minutes

Cured:

Cured	US-VSD-12180	US-VSD-15180	US-VSD-18180	US-VSD-18240
Shore A	30	10	<0	<0
Shore 00	80	60	1 to 2	<0
Dampening	low	medium	high	very high
Penetration	low	low	60	80

Mixing Instructions: The preferred method of mixing and application of gels is by using a 1:1 mix ratio by volume or weight and then degassing. These can also be mixed and dispensed through automatic equipment.

Depth of cure vs time : Within 30 to 60 minutes, any depth of application filled with this product will be cured and fully encapsulated.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 98% solids, contains no solvents

Adhesion: Peelable & Adhesive versions available. Please specify when ordering.

Service temperature: -65°C to +250°C continuous

Limitations: Do not use product on head gaskets, or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: These gels are available in 50 ml. dual syringes, one pound kits, 16 lb. kits and 80 lb. kits. These product are also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-VSD-18240

Very High Dampening 2 Part <1 Shore00 Low Durometer Silicone Rubber Gel

Room temperature curing silicone RTV gel. These were developed for applications requiring a fast cure silicone gel product. All are two part, 1:1 mix ratio silicone that when mixed at room temperature, cure in 180 minutes, or when exposed to heat results in a cured gel in 15 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features
Addition cure liquid
Excellent moldability and conformation to plastic, metal and glass parts
Convenient 1:1 mix ratio
Clear silicone rubber

Color: Clear (custom colors available upon request)

Typical Applications
Clear potting or encapsulation of parts
Electronic component vibration,
shock and thermal insulation
Dust and moisture protection
Dielectric insulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured

Viscosity, cps: 1,000 Specific Gravity: 0.98 Consistency mixed: light liquid
Pot-life at Room Temperature:120 minutes
Cure time at Room Temperature: 180 minutes
Cure time at 150°C: 15 minutes

Cured:

Cured	US-VSD-12180	US-VSD-15180	US-VSD-18180	US-VSD-18240
Shore A	30	10	<0	<0
Shore 00	80	60	1 to 2	<0
Dampening	low	medium	high	very high
Penetration	low	low	60	80

Mixing Instructions: The preferred method of mixing and application of gels is by using a 1:1 mix ratio by volume or weight and then degassing. These can also be mixed and dispensed through automatic equipment.

Depth of cure vs time: Within 30 to 60 minutes, any depth of application filled with this product will be cured and fully encapsulated.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 98% solids, contains no solvents

Adhesion: Peelable & Adhesive versions available. Please specify when ordering.

Service temperature: -65°C to +250°C continuous

Limitations: Do not use product on head gaskets, or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: These gels are available in 50 ml. dual syringes, one pound kits, 16 lb. kits and 80 lb. kits. These product are also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-VSD-15183
Very Low Specific Gravity 2 Part Encapsulant Silicone Gel for Electronics

US-VSD-15183 is a room temperature curing silicone RTV gel developed for applications requiring a low specific gravity silicone gel product. This is a two part, 1:1 mix ratio silicone. Room temperature mixing results in a cure time of 1 hour. It can also be heat cured at 150°C to yield a cure time of less than 15 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures.

Product Features
Addition cure liquid
Excellent moldability and conformation to plastic, metal and glass parts
Convenient 1:1 mix ratio

Color: Light Blue (custom colors available upon request)

Typical Applications
Electronic component vibration,
shock and thermal insulation
Potting and encapsulation
Dust and moisture protection
Dielectric and insulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties	**Download PDF for Electrical Specifications***	
Uncured	Part A	Part B
Viscosity, cps	1,000	1,000
Specific Gravity	0.76	0.76

Consistency mixed: light liquid
Pot-life at Room Temperature: 30 minutes
90% cure at Room Temperature 45 minutes
Cure time at Room Temperature: 1 hour
Cure time at 150 C 15 minutes

Mixing Instructions: The preferred method of mixing and application is by hand using a 1:1 mix ratio by volume and then degassing. It can also be mixed and dispensed through automatic equipment.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated.

Depth of cure vs time: In 1 hour, any depth of application filled with this product will be cured and fully encapsulated.

Solids: 98% solids, contains no solvents

Adhesion: Offers minimal adhesion to most metals, plastics and types of glass.

Service temperature: -65 to 250C continuous

Limitations: Do not use product on head gaskets or in fuel or solvent immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 50 ml. dual syringes, one pound kits, 20 lb. kits and 100 lb. kits. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 50 ml.dual syringes, one pound, 12 lb. and 60 lb. kits.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-SPG-18417

Repenetrable 2 Part Low Specific Gravity Encapsulant Silicone Gel

US-SPG-18417 is a room temperature curing silicone RTV gel developed for electronic applications requiring a repenetrable self-sealing, silicone gel product. This is a two part, 1:1 mix ratio silicone that when mixed at room temperature, cures overnight or when exposed to heat results cures in 15 minutes.

Product Features

- Self-sealing over a long life
- Excellent repenetrability and conformation to plastic, metal and glass parts
- Convenient 1:1 mix ratio

Color: Transparent Blue (custom colors available upon request)

Typical Applications

- Assemblies requiring inspection with probes
- Electronic component vibration, shock and thermal insulation
- Potting and encapsulation
- Dust and moisture protection in a thick barrier coating
- Transparent dielectric insulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties	**Download PDF for Electrical Specifications***	
Uncured	Part A	Part B
Viscosity, cps	1,000	1,000
Specific Gravity	0.98	0.98

Consistency mixed: light liquid
Pot-life at Room Temperature: >120 minutes
Cure time at Room Temperature: 12 hours
Cure time at 150°C 15 minutes

Mixing Instructions: The preferred method of mixing and application is by hand using a 1:1 mix ratio by volume and then degassing. It can also be mixed and dispensed through automatic equipment.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Depth of cure vs time: In 12 hours, any depth of application filled with this product will be cured and fully encapsulated.

Solids. 98% solids, contains no solvents

Adhesion. This product offers minimal primerless adhesion to plastics, metals and typical substrates.

Service temperature. -65°C to 250°C continuous

Limitations. Do not use product on head gaskets or in fuel or solvent immersion applications. Allow to fully cure before putting assembly into service.

Packaging. Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 50 ml. dual syringes, one pound kits, 20 lb. kits and 100 lb. kits. This product is also available in customer defined packaging sizes, upon request.

Handling and safety. For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life. Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards. Conforms to GM low volatility requirements.

Silicone Conformal Coatings

Silicone Conformal Coatings are used to protect rigid or flexible printed circuit boards from humidity, contamination and vibration/shock. These conformal coatings are low viscosity, either 1 or 2 part mix elastomers using either thermal or moisture cure systems. All of these coatings have excellent dielectric properties and withstand temperature rages of -60°C to 240°C (-76°F to +464°F).

Products

US-SCC-125

US-SCC-125 is a 1-part, heat cure silicone developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. Heated cures result in a tough and durable silicone conformal coating.

Product Features

- Neutral Addition Cure
- Fast heat cure
- Low Viscosity
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics
- Convenient 1 part system

Product Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting & encapsulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured

Specific Gravity: 0.98 Color: Clear Solids: 100 %
Shelf Life: 12 MONTHS Viscosity: 125 cps.
Tack Free Time at 110°C: 15 minutes

Cured 20 minutes at 110°C

Durometer, Shore A: 10 Dielectric Strength, kv/mm: 13
Dielectric Constant: 2.4 Dissipation Factor at 1kHz: 0.01
Thermal conductivity: 0.0005

Application Methods: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Curing: Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primerless adhesion to plastics, metals and typical substrates.

Service temperature: -65 to 250 C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-SCC-230

US-SCC-230 is a 1-part, heat cure silicone developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. Heated cures result in a tough and durable silicone conformal coating.

Product Features

- Neutral Addition Cure
- Fast Heat Cure
- Self-leveling liquid
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics
- Convenient 1 part system

Product Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting & encapsulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured

Specific Gravity: 0.98	Color: Clear	Solids: 100 %
Shelf Life: 12 MONTHS	Viscosity: 230 cps.	Tack Free Time at 110°C: 15 minutes

Cured 20 minutes at 110°C

Dielectric Strength, kv/mm: 13
Dielectric Constant: 2.4
Dissipation Factor at 1kHz: 0.001
Thermal conductivity: 0.0005

Application Methods: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Curing: Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primerless adhesion to plastics, metals and typical substrates.

Service temperature: -65°C to +250°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-SCC-600

US-SCC-600 is a 1-part, heat cure silicone developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. Heated cures result in a tough and durable silicone conformal coating.

Product Features

- Neutral Addition Cure
- Fast heat cure
- Self-leveling liquid
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics
- Convenient 1 part system

Product Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting & encapsulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured

Specific Gravity: 0.98	Color: Clear	Solids: 100 %
Shelf Life: 12 MONTHS	Viscosity: 600 cps.	
Tack Free Time at 110°C: 15 minutes		

Cured 20 minutes at 110°C

Durometer, Shore A: 10	Dielectric Strength, kv/mm: 13
Dielectric Constant: 2.4	Dissipation Factor at 1kHz: 0.01
Thermal conductivity: 0.0005	

Application Methods: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Curing: Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primerless adhesion to plastics, metals and typical substrates.

Service temperature: -65°C to 250°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-SCC-900

US-SCC-900 is a heat curing silicone RTV developed for encapsulation and conformal coating applications. This is a 1-Part silicone that when heated to 150°C, cures in less than 30 minutes forming a tough silicone rubber.

Product Features

- Transparent encapsulant
- Addition cure liquid
- Excellent moldability and conformation to plastic, metal and glass parts
- Convenient 1-Part system
- Fluoresces under UV light for inspection

Typical Applications

- Electronic component vibration
- Shock and thermal insulation
- Dust and moisture protection
- Dielectric and insulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured

Color: Water white, clear	Viscosity, cps: 900	Specific Gravity: 0.90
Consistency: Self-leveling, light liquid	Pot-life at Room Temperature: 12 months	
Cure time at 150°C: < 30 minutes	Odor: none	

Cured

Shore 00: 60	Tensile: 100 PSI	Elongation: 200%
Byproducts: none	Shrinkage: none	Corrosivity: none
Temperature range: -65°C to 250°C		

Application Methods: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primerless adhesion to plastics, metals and typical substrates.

Service temperature: -65°C to +250°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, a 25 ml syringe, one pound cans, 8 lb. gallon containers and 40 lb. 5 gallon pails. This product is also available in customer defined packaging sizes, upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-SCC-2500

US-SCC-2500 is a UV dual cure silicone RTV adhesive rubber developed for applications requiring fast UV cure. This is a 1-Part silicone that when applied and cured allows handling of the bonded assembly within minutes. A secondary moisture cure enables full curing in shadowed areas. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast UV cure
- Excellent unprimed adhesion
- Convenient, UV accelerated instant cure capability
- Temperature range -40°C to +260°C
- Secondary moisture cure for shadow areas

Typical Applications

- Assembly line adhesive
- Conformal Coating
- Adhesive Sealant

Color: Clear (custom colors available upon request)

Service Temperature: -40°C to +260°C

Typical Properties

Uncured Viscosity: 2,500 cps. Specific Gravity: 1.02 Consistency: liquid

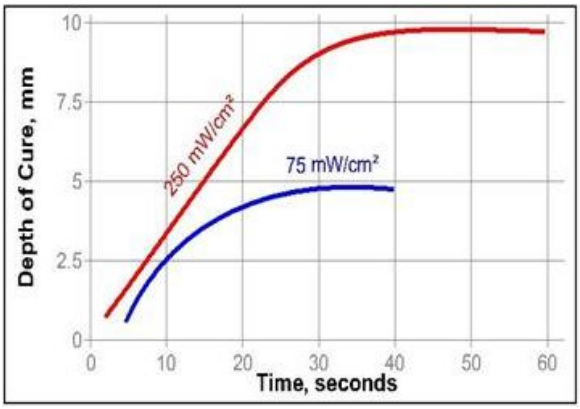
Cured 24 Hours at Room Temperature

Tensile Strength, PSI: 80 Durometer, Shore A: 25

UV Accelerated Curing

A short term UV exposure followed by a secondary, moisture cure results in cured elastomer exhibiting outstanding adhesion.

Typical UV Lamp Performance



Method of Application: Dispense sealant onto part either manually or robotically. Allow to cure.

Chemical cure system: UV Acrylic with a secondary moisture cure system.

Curing: Typical utilization involves short term UV exposure followed by a secondary moisture cure.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: FOR MAXIMUM SHELF LIFE THIS PRODUCT MUST BE FROZEN. Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SCC-428-15879

US-SCC-428 is a UV dual cure silicone RTV adhesive rubber developed for applications requiring fast UV cure. This is a 1-Part silicone that when applied and cured allows handling of the bonded assembly within minutes. A secondary moisture cure enables full curing in shadowed areas. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features
- Fast UV cure
- Excellent unprimed adhesion
- Convenient, UV accelerated instant cure capability
- Temperature range -40°C to +260°C
- Secondary moisture cure for shadow areas

Typical Applications
- Assembly line adhesive
- Conformal Coating
- Adhesive Sealant

Color: Clear (custom colors available upon request)

Service Temperature: -40°C to +260°C

Typical Properties

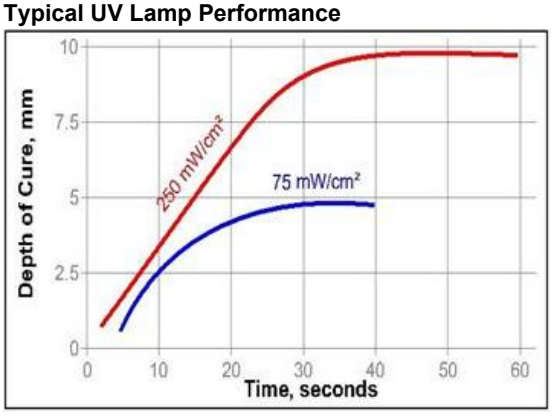
Uncured Viscosity: 400-800 cps. Specific Gravity: 1.00 Consistency: liquid

Cured 24 Hours at Room Temperature

Tensile Strength, PSI: 100 Durometer, Shore A: 60-90

UV Accelerated Curing
A short term UV exposure followed by a secondary, moisture cure results in cured elastomer exhibiting outstanding adhesion.

Typical UV Lamp Performance



Method of Application: Dispense sealant onto part either manually or robotically. Allow to cure.

Chemical cure system: UV Acrylic with a secondary moisture cure system.

Curing: Typical utilization involves short term UV exposure followed by a secondary moisture cure.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: For Maximum Shelf Life Product Must Be Frozen. Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SCC-628

US-SCC-628 is a UV dual cure silicone RTV adhesive rubber developed for applications requiring fast UV cure. This is a 1-Part silicone that when applied and cured allows handling of the bonded assembly within minutes. A secondary moisture cure enables full curing in shadowed areas. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features
- Fast UV cure
- Excellent unprimed adhesion
- Convenient, UV accelerated instant cure capability
- Temperature range -40 to 260C
- Secondary moisture cure for shadow areas

Typical Applications
- Assembly line adhesive
- Conformal Coating
- Adhesive Sealant

Color: Clear (custom colors available upon request)

Service Temperature: -40°C to +260°C

Typical Properties
Uncured

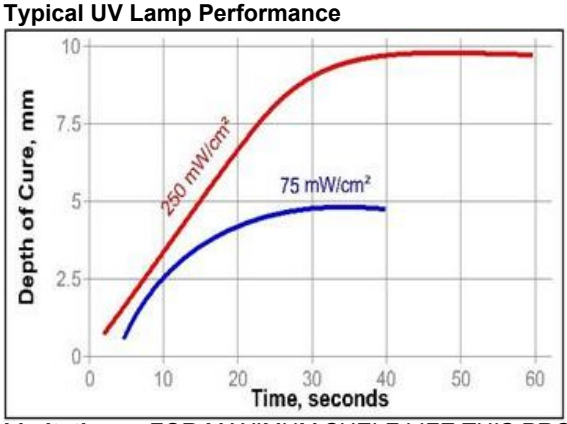
Viscosity 6,000 to 8,000 cps. Specific Gravity 1.02 Consistency: liquid

Cured 24 Hours at Room Temperature

Tensile Strength, PSI: 100 Durometer, Shore A: 31-39

UV Accelerated Curing
A short term UV exposure followed by a secondary, moisture cure results in cured elastomer exhibiting outstanding adhesion.

Typical UV Lamp Performance



Method of Application
Dispense sealant onto part either manually or robotically. Allow to cure.

Chemical cure system: UV Acrylic with a secondary moisture cure system.

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves short term UV exposure followed by a secondary moisture cure.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: FOR MAXIMUM SHELF LIFE THIS PRODUCT MUST BE FROZEN. Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a freezer.

US-SCC-19992 (replaces US-SCC-100)
Conformal Coating RTV

US-SCC-19992 is a 1-part silicone RTV developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. High flexibility is combined with an oxime cure to result in a durable silicone conformal coating.

Product Features

- Low Viscosity
- Neutral Cure
- Fast room temperature cure
- Self-leveling liquid RTV
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics

Product Applications
- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting and encapsulation

Color: Clear (custom colors available upon request)

Service temperature: -65°C to +250°C

Typical Properties

Uncured

Specific Gravity: 0.98 Viscosity: 100 cps.
Tack Free Time at Room Temperature: 20 minutes

Cured 24 Hours at Room Temperature

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Durometer, Shore A: 10

Method of Application: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.
Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product in fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and Safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant can irritate eyes and skin. Refer to MSDS.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SCC-600QC

US-SCC-600QC is a 1-part silicone RTV developed for conformal coating applications. It offers unprimed adhesion to many metals and plastics. High flexibility is combined with an oxime cure system to result in a durable silicone conformal coating.

Product Features

- Fast Room Temperature cure
- Faster heat accelerated cure
- Self- leveling liquid RTV
- Neutral cure
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics
- Temperature range -65°C to +250°C

Color: Translucent (custom colors available upon request)

Typical Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting & encapsulation

Typical Properties

Uncured

Viscosity, cps: 600 Specific Gravity: .98 Consistency : self leveling liquid
Skin over at Room Temperature: 4 minutes Tack Free Time,. at Room Temperature: 20 minutes
Skin Over at 150C: <1 minutes Tack Free at 150C: <3 minutes

Cured - Room Temperature Download PDF for Electrical Specifications*

Durometer, Shore A: 30
Dielectric Strength KV/mm: 20
Dielectric constant: 3.1
Dissipation Factor: .01
Volume Resistivity: 4 x 10^15

Method of Application: Apply by: pouring, dipping, brushing, flow coat, spin-on or spraying

Chemical cure system: Oxime cure system

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a durable adhesive rubber coating.

Packaging: Available in 8 lb. containers, 40 lb. bladder bags and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids: 80% solids

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Service temperature: -65°C to +250°C

Limitations: Do not use product in a fuel or solvent immersion application. Allow to fully cure before putting assembly into service.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SCC-600SC

Self-Leveling Silicone RTV Adhesive Coating

US-SCC-600SC is a 1-part silicone RTV developed for conformal coating and seam filling applications. It offers unprimed adhesion to many metals and plastics. When cured, results in a very durable silicone adhesive coating. The elastomer resists weathering, ozone, moisture, UV and high temperature.

Product Features

- Very Fast Room Temperature cure
- Self- leveling liquid RTV
- Neutral cure
- Adhesion to metals and many plastics
- Temperature range -65°C to 250°C

Color: clear in thin films (custom colors available upon request)

Typical Applications

- Conformal Coating
- Industrial Sealing
- Thin Section Potting & Encapsulation

Typical Properties

Uncured

Viscosity, cps 500 Specific Gravity .98
Consistency : self leveling liquid
Working time, mins. at Room Temperature: 5
Tack Free Time, mins. at 150C: 30 seconds

Cured 72 Hours at Room Temperature Download PDF for Electrical Specifications*

Tensile Strength, PSI 300
Elongation, % 300
Durometer, Shore A 25
Peel Strength, PPI 40

Method of Application: Dip, dispense or spray coating onto assembly, allow to cure.

Chemical cure system: Oxime cure system

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a durable adhesive rubber coating.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 8 lb. containers, 40 lb. pails and 440 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Service temperature: -65°C to +250°C

Limitations: Do not use product in a fuel or solvent immersion application. Allow to fully cure before putting assembly into service.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SCC-100010
Conformal Coating RTV

US-SCC-100010 is a 1-part silicone RTV developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. High flexibility is combined with an oxime cure to result in a durable silicone conformal coating.

Product Features

- Low Viscosity
- Neutral Cure
- Fast room temperature cure
- Self-leveling liquid RTV
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics

Product Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting and encapsulation

Color: Clear (custom colors available upon request)

Service temperature: -65°C to +260°C

Typical Properties

Uncured
Specific Gravity: 0.98
Viscosity: 1,000 cps.
Tack Free Time at Room Temperature: 20 minutes

Cured 24 Hours at Room Temperature
Download PDF for Electrical Specifications

Durometer, Shore A: 10

Method of Application: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product in fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and Safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant can irritate eyes and skin. Refer to MSDS.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SCC-100017
Conformal Coating RTV

US-SCC-10017 is a 1-part silicone RTV developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. High flexibility is combined with an oxime cure to result in a durable silicone conformal coating.

Product Features

- Low Viscosity
- Neutral Cure
- Fast room temperature cure
- Self-leveling liquid RTV
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics

Product Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting and encapsulation

Color: Clear (custom colors available upon request)

Service temperature: -65°C to +250°C

Typical Properties

Uncured

Specific Gravity: 0.98 Viscosity: 1,000 cps.
Tack Free Time at Room Temperature: 20 minutes

Cured 24 Hours at Room Temperature

Download PDF for Electrical Specifications
Durometer, Shore A: 17

Method of Application: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Chemical cure system: Oxime cure system

Solids: 98% solids, contains no solvents

Curing: Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber. Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion.

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Limitations: Do not use product in fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and Safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant can irritate eyes and skin. Refer to MSDS.

Compatibility: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SCC-10000

Self-Leveling Silicone RTV Conformal Coating

US-SCC-10000 is a 1-part silicone RTV developed for conformal coating applications. It offers unprimed adhesion to many metals and plastics. Combines high flexibility with a neutral oxime cure system to provide a durable silicone adhesive coating.

Product Features

- Fast Room Temperature cure
- Self- leveling liquid RTV
- Neutral cure
- Adhesion to metals and many plastics
- Temperature range -65°C to +250°C

Color: Clear (custom colors available upon request)

Typical Applications

- Conformal coating of assemblies
- Industrial sealing
- Thin section potting & encapsulation

Typical Properties

Uncured

Viscosity, cps: 10,000
Specific Gravity: 1.03
Consistency : low viscosity liquid
Working time, mins. at Room Temperature: 10
Tack Free Time, mins. at Room Temperature: 20

Cured 72 Hours at Room Temperature

Download PDF for Electrical Specifications

Tensile Strength, PSI: 200
Elongation, %: 300
Durometer, Shore A: 25

Method of Application: Dip or dispense coating onto assembly, allow to cure.

Chemical cure system: Oxime cure system

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a durable adhesive rubber conformal coating.

Packaging: Available in 8 lb. containers, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most metals and many plastics

Service temperature: -65°C to +250°C

Limitations: Do not use product in a fuel or solvent immersion application. Allow to fully cure before putting assembly into service.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-SCC-3040

Self-Leveling Silicone RTV Adhesive Coating

US-SCC-3040 is a 1-part silicone RTV developed for coating applications. Offers unprimed adhesion to many metals and plastics. When cured, it results in a very durable silicone adhesive coating. The elastomer resists weathering, ozone, moisture, UV and high temperature.

Product Features

- Fast Room Temperature cure
- Self- leveling liquid RTV
- Neutral cure
- Adhesion to metals and many plastics
- Temperature range -65 to 250C

Color: Translucent (custom colors available upon request)

Typical Applications

- Coating assemblies
- Industrial sealing
- Thin section potting & encapsulation

Typical Properties

Uncured

Viscosity, cps: 30,000-40,000
Specific Gravity: 1.03
Consistency: self leveling liquid
Working time, minutes at Room Temperature: 10
Tack Free Time, minutes at Room Temperature: 20

Cured – 72 Hours at Room Temperature

Tensile Strength, PSI: 300
Elongation, %: 300
Peel Strength, PPI: 40
Dielectric Constant: 3.1
Volume Resistivity: 4 x 10^{15}
Durometer, Shore A: 25
Dielectric Strength Kv/mm: 20
Dissipation Factor: .01

Method of Application: Dip or dispense coating onto assembly, allow to cure.

Chemical cure system: Oxime cure system

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a durable adhesive rubber coating.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 8 lb. containers, 40 lb. pails and 440 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Solids: 98% solids, contains no solvents

Adhesion: Primerless adhesion to most plastics, metals and typical substrates.

Service temperature: -65°C to 250°C

Limitations: Do not use product in a fuel or solvent immersion application. Allow to fully cure before putting assembly into service.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Silicone Encapsulating & Potting

Used extensively for protecting sensitive electronic components from extreme environments. Withstand temperatures from -45°C to +300°C while protecting the components from vibration, moisture, and atmospheric contamination. These products consists of both tin and platinum curing systems in a variety of durometers and cure speeds.

Products

Product	Characteristics	Page
US- POT-54	2 part neutral cure adhesive, self leveling, 60 minute deep section Room Temperature cure, 15,000 cps. gray	72
US-POT-57	2 part neutral cure adhesive, thixotropic paste, 60 minute deep section Room Temperature cures, 20,000 cps. black	73
US-POT-453	Heat Cure, 1 Part Self Leveling Adhesive Sealant, 125cps	74
US-POT-24333	Fast cure, 2 part variable mix pourable RTV potting	75
US-POT-24339		76

US-POT-54 (Identical to US-POT-57 except color)

US-POT-54 is a fast curing silicone RTV adhesives developed for applications requiring fast deep section cures as well as excellent adhesion. This is a two part, 1:1 mix ratio silicones that when mixed and applied to the substrate allows handling within minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. US-POT-54 works well in static mix dispensing equipment.

Product Features

- Self-leveling
- Fast deep section cure
- Neutral cure
- Convenient 1:1 mix ratio
- Temperature range -45°C to 260°C
- Excellent unprimed adhesion to most plastics, metal and glass

Product Applications

- Adhesive encapsulation
- Assembly line adhesive
- Form in place gaskets

Chemical cure system: Tin cured alkoxy condensation cure system which is not poisonable like platinum addition cured systems

Typical Properties
Uncured

Parameter	Part A	Part B	Mixed
Viscosity, cps	12,500	17,500	15,000
Specific Gravity	1.30	1.30	1.30

Color: Gray
Work Time at room temperature: 3 minutes
Tack free time, room temperature: 15 minutes

Cured – Room Temperature

Durometer, Shore A: 30 minutes: 15 24 hours: 35

After 24 hours:

Tensile Strength, PSI	350	Elongation, %	200
Peel Strength, PPI	40	Lap Shear Strength, PSI	100
Dielectric Strength kv/mm:	21	Dielectric Constant:	3.2
Dissipation Factor at 1kHz:	0.02	Volume resistivity	5×10^{15}

Mixing Instructions: Preferred method is through a static mixer at a 1:1 ratio by volume.

Depth of Cure vs Time: Very deep section cures are formed in 15 minutes, Ultimate cured properties in 24 hours.

Handling precautions: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Solids: 98% solids, contains no solvents

Adhesion: This product offers primer-less adhesion to plastics, metals and typical substrates.

Service temperature: -45°C to +260°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 18 lb kits, 90 lb kits and 1000 lb kits.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-POT-57 (Identical to US-POT-54 except color)

US-POT-57 is a fast curing silicone RTV adhesives developed for applications requiring fast deep section cures as well as excellent adhesion. This is a two part, 1:1 mix ratio silicones that when mixed and applied to the substrate allows handling within minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. US-POT-57 works well in static mix dispensing equipment.

Product Features

- Self-leveling
- Fast deep section cure
- Neutral cure
- Convenient 1:1 mix ratio
- Temperature range -45°C to 260°C
- Excellent unprimed adhesion to most plastics, metal and glass

Product Applications

- Adhesive encapsulation
- Assembly line adhesive
- Form in place gaskets

Chemical cure system: Tin cured alkoxy condensation cure system which is not poisonable like platinum addition cured systems

Typical Properties
Uncured

Parameter	Part A	Part B	Mixed
Viscosity, cps	12,500	17,500	15,000
Specific Gravity	1.30	1.30	1.30

Color: Gray
Work Time at room temperature: 3 minutes
Tack free time, room temperature: 15 minutes

Cured – Room Temperature

Durometer, Shore A: 30 minutes: 15 24 hours: 35

After 24 hours:

Tensile Strength, PSI	350	Elongation, %	200
Peel Strength, PPI	40	Lap Shear Strength, PSI	100
Dielectric Strength kv/mm:	21	Dielectric Constant:	3.2
Dissipation Factor at 1kHz:	0.02	Volume resistivity	5×10^{15}

Mixing Instructions: Preferred method is through a static mixer at a 1:1 ratio by volume.

Depth of Cure vs Time: Very deep section cures are formed in 15 minutes, Ultimate cured properties in 24 hours.

Handling precautions: Fully compatible with all materials. Cannot be cure inhibited or contaminated like addition cure systems.

Solids: 98% solids, contains no solvents

Adhesion: This product offers primer-less adhesion to plastics, metals and typical substrates.

Service temperature: -45°C to +260°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 18 lb kits, 90 lb kits and 1000 lb kits.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-POT-453

US-POT-453 is a 1-part, heat cure silicone developed for conformal coating applications. It offers unprimed adhesion to metals and many plastics. Heated cures result in a tough and durable silicone conformal coating.

Product Features

- Neutral Addition Cure
- Fast heat cure
- Low Viscosity
- Fluoresces under UV light to enable coating inspection
- Adhesion to metals and many plastics
- Convenient 1 part system

Product Applications

- Coating electronic assemblies
- Industrial coating and sealing
- Thin section potting & encapsulation

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties
Uncured

Specific Gravity: 0.98	Color: Clear	Solids: 100 %
Shelf Life: 12 MONTHS	Viscosity: 125 cps.	Tack Free Time at 110°C: 15 minutes

Cured – 20 Minutes at 110°C

Durometer, Shore A: 10
Dielectric Strength kv/mm: 13
Dielectric Constant: 2.4
Dissipation Factor at 1kHz: 0.01
Thermal conductivity: 0.0005

Application Methods: Apply by: pouring, dipping, brushing, flow-coat, spin-on or spraying.

Curing: Can be accomplished with heat to very rapid cures. Typical utilization involves dispensing in open air and oven, IR, or hot air curing.

Handling precautions: Avoid contact with tin cured RTV's, sulphur compounds, azides, imides, latex rubber gloves, and amines as cure system can be deactivated

Solids: 100% solids, contains no solvents

Adhesion: This product offers primer-less adhesion to plastics, metals and typical substrates.

Service temperature: -65°C to +250°C continuous

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 8 pound gallon cans, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging upon request.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 6 months from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-POT-24333

US-POT-24333 is a fast curing silicone pourable RTV adhesives developed for potting and encapsulating applications requiring fast deep section cures as well as excellent adhesion. This is a two part, variable mix ratio silicone that when mixed allows handling within 20 to 120 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. US-POT-24333 works well in manual or static mix dispensing equipment.

Product Features

- Self-leveling
- Fast deep section cure
- Neutral cure
- User defined variable 100:3-5 mix ratio
- Temperature range -40°C to 204°C
- Excellent unprimed adhesion to most plastics, metal and glass

Product Applications

- Adhesive encapsulation
- Assembly line adhesive
- Form in place gaskets
- Electronics potting
- Thermal insulation, vibration & moisture isolation

Chemical cure system: Tin cured alkoxy condensation cure system which is not poisonable like platinum addition cured systems

Typical Properties
Uncured

Parameter	**Part A**	**Part B**	**Mixed**
Color	Blue	White	Light Blue
Viscosity, cps	1,000	10,000	9,000
Specific Gravity	1.10	1.30	1.30
Consistency, mixed:	3% ratio	5% ratio	
Gel time, minutes	60	10	

Cured – Room Temperature

Durometer, Shore A: 40			
Tensile Strength, PSI	350	Elongation, %	200
Peel Strength, PPI	40	Lap Shear Strength, PSI	100
Dielectric Strength kv/mm:	19.5	Dielectric Constant:	3.8
Dissipation Factor at 1kHz:	0.006	Volume resistivity	1.8×10^{14}
Thermal Conductivity W/m°K	0.17		
Coefficient of Thermal Expansion cm/cm °C		20×10^{-5}	

Mixing Instructions: Preferred method is through a static mixer or manually at 100:3 to 5 ratio by weight.

Curing: Cure speed can be accelerated with increased humidity. Room temperature cure with ambient humidity results in a cured elastomer with very high adhesive properties.

Cure System: Oxime cure system.

Solids: 98% solids, contains no solvents

Adhesion: This product offers primer-less adhesion to plastics, metals and typical substrates.

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 10 lb kits, 50 lb kits and 500 lb kits.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Applicable standards: Conforms to GM low volatility requirements.

US-POT-24339

US-POT-24339 is a fast curing silicone pourable RTV adhesives developed for potting and encapsulating applications requiring fast deep section cures as well as excellent adhesion. This is a two part, variable mix ratio silicone that when mixed allows handling within 45 to 120 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. US-POT-24339 works well in manual or static mix dispensing equipment.

Product Features

- Self-leveling
- Fast deep section cure
- Neutral cure
- User defined variable 100:3-5 mix ratio
- Temperature range -45°C to 260°C
- Excellent unprimed adhesion to most plastics, metal and glass

Product Applications

- Adhesive encapsulation
- Assembly line adhesive
- Form in place gaskets
- Electronics potting
- Thermal insulation, vibration & moisture isolation

Chemical cure system: Tin cured alkoxy condensation cure system which is not poisonable like platinum addition cured systems

Typical Properties
Uncured

Parameter	**Part A**	**Part B**	**Mixed**
Color	Blue	White	Light Blue
Viscosity, cps	1,000	5,000	3,600
Specific Gravity	1.10	1.30	1.30
Consistency, mixed:	3% ratio	5% ratio	
Gel time, minutes	60	45	

Cured – Room Temperature

Durometer, Shore A: 50			
Tensile Strength, PSI	350	Elongation, %	200
Peel Strength, PPI	40	Lap Shear Strength, PSI	100
Dielectric Strength kv/mm:	19.5	Dielectric Constant:	3.8
Dissipation Factor at 1kHz:	0.006	Volume resistivity	1.8×10^{14}
Thermal Conductivity W/m°K	0.17		
Coefficient of Thermal Expansion cm/cm °C		20×10^{-5}	

Mixing Instructions: Preferred method is through a static mixer or manually at 100:3 to 5 ratio by weight.

Curing: Cure speed can be accelerated with increased humidity. Room temperature cure with ambient humidity results in a cured elastomer with very high adhesive properties.

Cure System: Oxime cure system.

Solids: 98% solids, contains no solvents

Adhesion: This product offers primer-less adhesion to plastics, metals and typical substrates.

Limitations: Do not use product in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 10 lb kits, 50 lb kits and 500 lb kits.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Silicone End-Seal Dip

This liquid silicone is used as an end-dip or seal for a variety of items: such as sealing the ends of our silicone rubber high-temperature sleeve. It can also be used to prevent fray on rope ends, and as an anti-slip coatings on tool handles.

Cures at room temperature in less than 30 minutes and is odour free.

Products

Product	Characteristics	Page
US-LD1	1 Part liquid silicone RTV	77

US-LD1 / US-18B / US-ESD

Fast Cure Silicone RTV Coating

US-LD1 is a fast curing silicone RTV coating rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Excellent unprimed adhesion to many composites, metals and glass
- Rapid onset of adhesion
- High temperature resistant
- Non-corrosive oxime cure
- Temperature range -65°C to +260°C

Typical Applications

- Industrial Coating
- Coating gaskets
- Adhesive Sealant

Color: Red or Black
(US-18B is Clear)

Typical Properties

Uncured

Viscosity, cps: 3,000
Specific Gravity: 1.02
Consistency: liquid

Cured 24 Hours at Room Temperature

Tensile Strength, PSI: 100
Elongation, %: 300
Durometer, Shore A: 39

Method of Application: Spray onto or dip parts into liquid. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

Chemical cure system: Oxime cure system

Packaging: Available in 4 and 16 oz wide mouth jars, 1 gallon and 5 gallon jugs, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Service Temperature: -65°C to +260°C

Adhesion: Primerless adhesion to most metals and typical substrates.

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Cure well ventilated areas only. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Silicone Paint

This liquid silicone can be used as a paint; brushed or sprayed onto a wide range of surfaces to provide a high-temperature coating for environmental, moisture, UV and contamination protection.

This liquid silicone cures to a rubber at room temperature in under 30 minutes and is odour free.

Products

Product	Characteristics	Page
US-LP1	1 Part liquid silicone RTV	79

US-LP1

Fast Cure Silicone RTV Paint

US-LP1 is a fast curing silicone RTV coating rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Excellent unprimed adhesion to many composites, metals and glass
- Rapid onset of adhesion
- High temperature resistant
- Non-corrosive oxime cure
- Temperature range -65°C to 260°C

Typical Applications

- Industrial Coating
- Coating gaskets
- Adhesive Sealant

Color: Red

Typical Properties

Uncured

Viscosity, cps: 3,000
Specific Gravity: 1.02
Consistency: liquid

Cured 24 Hours at Room Temperature

Tensile Strength, PSI: 100
Elongation, %: 300
Durometer, Shore A: 39

Method of Application: Spray onto or dip parts into liquid. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

Chemical cure system: Oxime cure system

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Service Temperature: -65°C to +260°C

Adhesion: Primerless adhesion to most metals and typical substrates.

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Cure well ventilated areas only. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

Silicone Ink

This liquid silicone ink is used to print onto a variety of surfaces. It can be dried by hot air in the printing process, or can be room temperature cured.

Especially suited for printing onto cured silicone rubber.

Products

Product	Characteristics	Page
US-INK1	1 Part liquid silicone RTV ink	79
US-INK2	1 Part liquid silicone heat cured ink	80

US-INK1

Fast Cure Silicone RTV Ink

US-INK-1 is a fast curing silicone RTV coating rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Excellent unprimed adhesion to many composites, metals and glass
- Rapid onset of adhesion
- High temperature resistant
- Non-corrosive oxime cure
- Temperature range -65 to 260C

Typical Applications

- Industrial Coating
- Coating gaskets
- Adhesive Sealant

Color: Red

Typical Properties

Uncured

Viscosity, cps: 3,000
Specific Gravity: 1.02
Consistency: liquid

Cured 24 Hours at Room Temperature

Tensile Strength, PSI: 100
Elongation, %: 300
Durometer, Shore A: 39

Method of Application: Spray onto or dip parts into liquid. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

Chemical cure system: Oxime cure system

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Service Temperature: -65°C to +260°C

Adhesion: Primerless adhesion to most metals and typical substrates.

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Cure well ventilated areas only. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

US-INK2

Fast Cure Silicone RTV Ink

US-INK2 is a fast curing silicone RTV coating rubber developed for applications requiring fast development of physical properties and fast unprimed adhesion. This is a 1-Part silicone that when applied to the substrate allows handling of the bonded assembly within an hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. Works well in manual and automatic dispensing equipment.

Product Features

- Fast Room Temperature cure
- Excellent unprimed adhesion to many composites, metals and glass
- Rapid onset of adhesion
- High temperature resistant
- Non-corrosive oxime cure
- Temperature range -65°C to +260°C

Typical Applications

- Industrial Coating
- Coating gaskets
- Adhesive Sealant

Color: Red

Typical Properties

Uncured

Viscosity, cps: 3,000
Specific Gravity: 1.02
Consistency: liquid

Cured 24 Hours at Room Temperature

Tensile Strength, PSI: 100
Elongation, %: 300
Durometer, Shore A: 39

Method of Application: Spray onto or dip parts into liquid. Allow to cure.

Curing: Cure speed can be accelerated with increased humidity to very rapid cures exhibiting surprisingly fast adhesion. Typical utilization involves dispensing in open air and ambient humidity to result in a high strength adhesive rubber.

Chemical cure system: Oxime cure system

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 10.3 oz. cartridges, 40 lb. pails and 400 lb. drums. This product is also available in customer defined packaging sizes, upon request.

Service Temperature: -65°C to +260°C

Adhesion: Primerless adhesion to most metals and typical substrates.

Limitations: Do not use product on head gaskets or fuel immersion applications. Allow to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

Handling and safety: For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Cure well ventilated areas only. Refer to MSDS.

Shelf-life: Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F.

500°F / 260°C: High Temperature, Heat & Flame Resistant Firesleeve Industrial & Heavy Duty: *Silicone Rubber Coated Fiberglass Sleeve*

Protection from:
- Heat
- Flame
- Fire
- Molten Metal Splash
- Welding Splatter & Sparks

Firesleeve is the standard protection for hoses and cables in harsh environments. Utilized in most industries with any hot process, liquid metal or welding operations to protect assets and prevent failures, prolonging the life of critical hoses, wires and cables, and reducing unexpected shutdowns.

The Heavy Duty version sleeve is also used to cover water-cooled high current EAF cables and cooling water hoses at metal processing plants due to the excellent molten metal splash and slag protection. Both Industrial and Heavy Duty sleeve are extremely flexible, pliable and conformable.

Also an excellent cold temperature sleeve with flexibility to -76°C.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

High Temperature Firesleeve: Industrial grade and Heavy Duty grade

Nominal ID Inches	mm	Dash #	Industrial / Heavy Duty Grade Part Number	Nominal ID Inches	mm	Dash #	Industrial / Heavy Duty Grade Part Number
1/4	6	-04	S-FS-M006-04 / S-FSHD-M006-04-X	2 1/4	57	-36	S-FS-M057-36 / S-FSHD-M057-36
3/8	10	-06	S-FS-M010-06 / S-FSHD-M010-06-X	2 1/2	64	-40	S-FS-M064-40 / S-FSHD-M064-40
1/2	13	-08	S-FS-M013-08 / S-FSHD-M013-08-X	2 5/8	67	-42	S-FS-M067-42 / S-FSHD-M067-42
5/8	16	-10	S-FS-M016-10 / S-FSHD-M016-10-X	2 3/4	70	-44	S-FS-M070-44 / S-FSHD-M070-44
3/4	19	-12	S-FS-M019-12 / S-FSHD-M019-12-X	2 7/8	73	-46	S-FS-M073-46 / S-FSHD-M073-46
7/8	22	-14	S-FS-M022-14 / S-FSHD-M022-14-X	3	76	-48	S-FS-M076-48 / S-FSHD-M076-48
1	25	-16	S-FS-M025-16 / S-FSHD-M025-16-X	3 1/4	83	-52	S-FS-M083-52 / S-FSHD-M083-52
1 1/8	29	-18	S-FS-M029-18 / S-FSHD-M029-18-X	3 1/2	89	-56	S-FS-M089-56 / S-FSHD-M089-56
1 1/4	32	-20	S-FS-M032-20 / S-FSHD-M032-20-X	3 3/4	95	-60	S-FS-M095-60 / S-FSHD-M095-60
1 3/8	35	-22	S-FS-M035-22 / S-FSHD-M035-22-X	4	102	-64	S-FS-M102-64 / S-FSHD-M102-64
1 1/2	38	-24	S-FS-M038-24 / S-FSHD-M038-24-X	4 1/2	114	-72	S-FS-M114-72 / NA
1 5/8	41	-26	S-FS-M041-26 / S-FSHD-M041-26-X	5	127	-80	S-FS-M127-80 / NA
1 3/4	44	-28	S-FS-M044-28 / S-FSHD-M044-28-X				
1 7/8	48	-30	S-FS-M048-30 / S-FSHD-M048-30-X				
2	51	-32	S-FS-M051-32 / S-FSHD-M051-32-X				

For the "**-X**" value above in the part number use "**-OR**" for Oxide-Red or "**-BK**" for Black

Industrial Grade firesleeve is fabricated from a E-type glass yarn that is ***knitted*** and the *Heavy Duty Grade* is fabricated from a dense E-type yarn that is ***braided***. Both the knitted and braided firesleeve receive a thick coating of self-extinguishing silicone rubber that withstands liquid metal splash, flame, slag, sparks, and other hazards in the toughest of environments. Standard lengths are 100 feet; specific cut lengths are available. Standard colors are Oxide-Red in all sizes for both Industrial and Heavy Duty Grades, and Black is available in sizes from -04 through -32 in Heavy Duty Grade. Other colors may be available or can be ordered in lot quantity. Post manufacturing sleeve coloring is available by quotation (using our ABST-LP-1 silicone rubber paint).

This product is available By-The-Foot / Metre or in standard 100 foot / 30 metre lengths
Larger diameters may also be available in 50 foot / 15 metre lengths

500°F / 260°C: High Temperature, Heat & Flame Resistant Firesleeve Aviation / Aerospace / Marine Grade: Meets SAE AS1072

Silicone Rubber Coated Fiberglass Sleeve

Aviation / Aerospace / Marine grade firesleeve allows properly assembled hose assemblies to meet SAE AS1055D testing. We also maintain traceability records for customers buying this product. 500°F / 260°C continuous rating and with a 15 minute FAA "Fireproof" rating when assembled according to SAE AS1072.

This sleeve is extremely flexible, pliable and conformable. Typically used to protect fuel, oil, hydraulic lines and hoses, as well as critical wiring and cables.

Firesleeve must be cut to the same length or longer than the hose or cable it is covering. The longer the hose or cable, and if tight fitting, then the longer the firesleeve needs to be. Firesleeve that is short will pull back from the fitting when the hose is bent, and if this occurs the hose assembly won't meet the TSO. Appropriate clamps must be used for aviation and marine applications.

500°F / 260°C continuous rating, 2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

FlameShield™ AS1072 Aviation / Aerospace Grade Firesleeve – without marking

Nominal ID Inches	mm	Dash #	Part Number	Nominal ID Inches	mm	Dash #	Part Number
1/4	6	-04	S-AS1072-M006-04-X	1 3/4	44	-28	S-AS1072-M044-28-X
5/16	8	-05	S-AS1072-M008-05-X	1 7/8	48	-30	S-AS1072-M048-30-X
3/8	10	-06	S-AS1072-M010-06-X	2	51	-32	S-AS1072-M051-32-X
7/16	11	-07	S-AS1072-M011-07-X	2 1/4	57	-36	S-AS1072-M057-36-X
1/2	13	-08	S-AS1072-M013-08-X	2 3/8	60	-38	S-AS1072-M060-38-X
9/16	15	-09	S-AS1072-M015-09-X	2 1/2	64	-40	S-AS1072-M064-40-X
5/8	16	-10	S-AS1072-M016-10-X	2 5/8	67	-42	S-AS1072-M067-42-X
11/16	17	-11	S-AS1072-M017-11-X	2 3/4	70	-44	S-AS1072-M070-44-X
3/4	19	-12	S-AS1072-M019-12-X	2 7/8	73	-46	S-AS1072-M073-46-X
13/16	20	-13	S-AS1072-M020-13-X	3	76	-48	S-AS1072-M076-48-X
7/8	22	-14	S-AS1072-M022-14-X	3 1/4	83	-52	S-AS1072-M083-52-X
1	25	-16	S-AS1072-M025-16-X	3 1/2	89	-56	S-AS1072-M089-56-X
1 1/8	29	-18	S-AS1072-M029-18-X	3 3/4	95	-60	S-AS1072-M095-60-X
1 1/4	32	-20	S-AS1072-M032-20-X	4	102	-64	S-AS1072-M102-64-X
1 3/8	35	-22	S-AS1072-M035-22-X	4 1/2	114	-72	S-AS1072-M114-72-X
1 1/2	38	-24	S-AS1072-M038-24-X	5	127	-80	S-AS1072-M127-80-X
1 5/8	41	-26	S-AS1072-M041-26-X	6	162	-96	S-AS1072-M162-96-X

For the "**-X**" value above in the part number, use "**-OR**" for Oxide-Red or "**-BK**" for Black

AS1072 Aerospace grade firesleeve is fabricated from a dense E-type braided sleeve and then receives a thick coating of self-extinguishing silicone rubber that withstands flame exposure, allowing qualified hose assemblies to meet FAA TSO-C42 (Propeller feathering hose assemblies), TSO-C53a (Fuel and Oil system hose assemblies) and TSO-C75 (Hydraulic hose assemblies). Standard lengths are 100 feet; specific cut lengths are available. Standard color is Oxide-Red in all sizes and Black is available in sizes -04 through -32.

This product is available By-The-Foot / Metre or in standard 100 foot / 30 metre lengths

SAE AS1072F Aviation / Aerospace Firesleeve: High Temperature, Heat, Flame & Fire Resistant Type 2 with SAE Marking Silicone Rubber Composite

500°F / 260°C Rating – Higher Temperature for Shorter Periods

FlameShield™ Aviation / Aerospace grade firesleeve is manufactured to the SAE AS1072F specification. CofC and Test Report available with orders. Our company QMS has been reviewed and accepted by major aerospace OEMs. Allows properly assembled hose assemblies to meet SAE AS1055D testing. We also maintain traceability records for customers buying this product.

500°F / 260°C rating and with a 15 minute FAA "Fireproof" rating when assembled according to SAE AS1055 to meet TSO-C53a / TSO-C75. Also meets 14 CFR 25.869(a)(4); Appendix F, Part 1(b)(7) (60-degree flammability Test) for use as a wiring/cable protection sleeve.

This sleeve is extremely flexible, pliable and conformable. Typically used to protect fuel, oil, hydraulic lines and hoses, as well as critical wiring and cables. Remains flexible to -76°C (-104.8°F).

Firesleeve must be cut slightly longer than the hose or cable it is covering so it covers part of the fitting or connector. The longer the hose or cable, and if tight fitting, or if in use the hose/cable will be curved, then the longer the firesleeve needs to be.

Firesleeve that is short will pull back from the fitting when the hose is bent, and if this occurs the hose assembly won't meet the TSO. Appropriate clamps must be used over the firesleeve at the fitting for aviation and Marine applications. (See our clamps and tools). This sleeve has a radial elasticity of approximately 15% allowing it to slide over connectors, fittings, and splices. For further specifications see Technical Data page. This sleeve is marked per the AS1072 specification. Other markings such as tradenames or part numbers may be added.

FlameShield™ S-AS1072F firesleeve is also compliant to the following standards: UL 1441 VW-1, DIN EN ISO 15540, EN 45545, NF F 16-101, BS 6853, NF X 10-702, NF X 70 100 & NF X 70 200, BS EN ISO 11925, BS EN ISO 4589-2, BS EN 60695-2-11, ASTM D 2863 OI, DD CEN/TS 45545-2, ASTM G85 Type 2.

500°F / 260°C continuous rating, 800°F / 426°C for periods up to 30 minutes
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

FlameShield™ SAE AS1072F Aviation / Aerospace Grade Firesleeve with Marking

Nominal ID Inches	Nominal ID mm	Nominal ID Dash #	Part Number	Nominal ID Inches	Nominal ID mm	Nominal ID Dash #	Part Number
1/4	6	-04	AS1072-04 SIL-FG	1 3/4	44	-28	AS1072-28 SIL-FG
5/16	8	-05	AS1072-05 SIL-FG	1 7/8	48	-30	AS1072-30 SIL-FG
3/8	10	-06	AS1072-06 SIL-FG	2	51	-32	AS1072-32 SIL-FG
7/16	11	-07	AS1072-07 SIL-FG	2 1/4	57	-36	AS1072-36 SIL-FG
1/2	13	-08	AS1072-08 SIL-FG	2 3/8	60	-38	AS1072-38 SIL-FG
9/16	15	-09	AS1072-09 SIL-FG	2 1/2	64	-40	AS1072-40 SIL-FG
5/8	16	-10	AS1072-10 SIL-FG	2 5/8	67	-42	AS1072-42 SIL-FG
11/16	17	-11	AS1072-11 SIL-FG	2 3/4	70	-44	AS1072-44 SIL-FG
3/4	19	-12	AS1072-12 SIL-FG	2 7/8	73	-46	AS1072-46 SIL-FG
13/16	20	-13	AS1072-13 SIL-FG	3	76	-48	AS1072-48 SIL-FG
7/8	22	-14	AS1072-14 SIL-FG	3 1/4	83	-52	AS1072-52 SIL-FG
1	25	-16	AS1072-16 SIL-FG	3 1/2	89	-56	AS1072-56 SIL-FG
1 1/8	29	-18	AS1072-18 SIL-FG	3 3/4	95	-60	AS1072-60 SIL-FG
1 1/4	32	-20	AS1072-20 SIL-FG	4	102	-64	AS1072-64 SIL-FG
1 3/8	35	-22	AS1072-22 SIL-FG	4 1/2	114	-72	AS1072-72 SIL-FG
1 1/2	38	-24	AS1072-24 SIL-FG	5	127	-80	AS1072-80 SIL-FG
1 5/8	41	-26	AS1072-26 SIL-FG	6	162	-96	AS1072-96 SIL-FG

Fabricated from a dense E-type braided sleeve and then receives a thick coating of self-extinguishing silicone rubber that withstands flame exposure, allowing qualified hose assemblies to meet FAA TSO-C42 (Propeller feathering hose assemblies), TSO-C53a (Fuel and Oil system hose assemblies) and TSO-C75 (Hydraulic hose assemblies). Standard color is Oxide-Red with black printing. Black sleeve with white printing is available. Other colors available.

This product is available By-The-Foot / Metre or in standard 100 foot / 30 metre lengths
Larger sizes available in 50 foot / 15 metre lengths

500°F / 260°C: High Temperature, Heat & Flame Resistant Silicone Rubber Coated Fiberglass Sleeve with Velcro Closure:

Small Diameter

EasyInstall™ High Temperature sleeve with Velcro hook and loop closure is a heavy duty sleeve perfect for protecting industrial hose and cable, but with the benefits of being installed & removed as required without disconnecting the hose, cable or wire.

Typical applications are as an Electric Arc Furnace cable cover, robotic welding cable protection, steel mill roll-stand hydraulic hose protection, steel mill cooling water hose protection or as a cover in extreme environments where serviceability is required.

The Velcro closure remains inside of the sleeve and is protected by the fabric overlap. The thread used is a high temperature Kevlar.

Also an excellent cold temperature sleeve with flexibility to -76°C for refrigeration and cryogenic applications.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

High Temperature Silicone Rubber Coated Fiberglass Sleeve with Velcro Closure – Small Diameter				
Nominal ID inches / mm / Dash #			**Part Number**	**Velcro Width, inches**
1/2	13	-08	S-FSVC-M013-08-X	1/2
3/4	19	-12	S-FSVC-M019-12-X	1/2
1	25	-16	S-FSVC-M025-16-X	5/8
1 1/4	32	-20	S-FSVC-M032-20-X	5/8
1 1/2	38	-24	S-FSVC-M038-24-X	3/4
1 3/4	44	-28	S-FSVC-M044-28-X	3/4
2	51	-32	S-FSVC-M051-32-X	3/4
2 1/4	57	-36	S-FSVC-M057-36-X	3/4
2 1/2	64	-40	S-FSVC-M064-40-X	3/4
2 3/4	70	-44	S-FSVC-M070-44-X	3/4
3	76	-48	S-FSVC-M076-48-X	3/4
3 1/4	83	-52	S-FSVC-M083-52-X	3/4
3 1/2	89	-56	S-FSVC-M089-56-X	3/4
3 3/4	95	-60	S-FSVC-M095-60-X	3/4
4	102	-64	S-FSVC-M102-64-X	1
4 1/4	108	-68	S-FSVC-M108-68-X	1
4 1/2	114	-72	S-FSVC-M114-72-X	1
4 3/4	121	-76	S-FSVC-M121-76-X	1
5	127	-80	S-FSVC-M127-80-X	1

Available in continuous lengths up to 100 feet for up to 3.5" I.D. 150 feet for larger I.D.s.
When ordering: for the "X" value substitute "WS" for serged edges and "NS" for not serged edges.

This is a custom fabrication item – please allow 3 to 10 business days from date of order. Contact us to determine the specific production time for your order.

This product is fabricated from slit braided sleeve (Up to and including 3.5" I.D.) and coated woven fabric for larger sizes (greater than 3.5" I.D.). For both base materials the long edge of the sleeve has some fray of the underlying fiberglass, which does not affect the performance of the sleeve, and is only an aesthetic consideration. For customers requiring a cleaner edge, serged edges (overlock sewn) can be supplied at an additional $1.25 per foot (both edges).

This Product is Available By-The-Foot / Metre

500°F / 260°C: High Temperature, Heat & Flame Resistant Silicone Rubber Coated Fiberglass Sleeve with Velcro Closure:

Large Diameter

EasyInstall™ High Temperature sleeve with Velcro closure is a heavy duty sleeve perfect for protecting industrial hose and cable, but with the benefits of being installed & removed as required without disconnecting the hose, cable or wire.

Typical applications are as an Electric Arc Furnace cable cover, robotic welding cable protection, steel mill roll-stand hydraulic hose protection, steel mill cooling water hose protection or as a cover in extreme environments where serviceability is required.

The Velcro closure remains inside of the sleeve and is protected by the fabric overlap. The thread used is a high temperature Kevlar. Also an excellent cold temperature sleeve with flexibility to -76°C for refrigeration and cryogenic applications.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

High Temperature Sleeve with Velcro Closure
Large Diameter

Nominal ID inches / mm / Dash #			Part Number	Velcro Width, inches
5 1/4	133	-84	S-FSVC-M133-84-X	1.5
5 1/2	140	-88	S-FSVC-M140-88-X	1.5
5 3/4	146	-92	S-FSVC-M146-92-X	1.5
6	152	-96	S-FSVC-M152-96-X	1.5
6 1/4	159	-100	S-FSVC-M159-100-X	1.5
6 1/2	165	-104	S-FSVC-M165-104-X	1.5
6 3/4	171	-108	S-FSVC-M171-108-X	1.5
7	178	-112	S-FSVC-M178-112-X	1.5
7 1/4	184	-116	S-FSVC-M184-116-X	1.5
7 1/2	191	-120	S-FSVC-M191-120-X	1.5
7 3/4	197	-124	S-FSVC-M197-124-X	1.5
8	203	-128	S-FSVC-M203-128-X	2
8 1/4	210	-132	S-FSVC-M210-132-X	2
8 1/2	216	-136	S-FSVC-M216-136-X	2
8 3/4	222	-140	S-FSVC-M222-140-X	2
9	229	-144	S-FSVC-M229-144-X	2
9 1/4	235	-148	S-FSVC-M235-148-X	2
9 1/2	241	-152	S-FSVC-M241-152-X	2
9 3/4	248	-156	S-FSVC-M248-156-X	2
10	254	-160	S-FSVC-M254-160-X	2
10 1/4	260	-164	S-FSVC-M260-164-X	2
10 1/2	267	-168	S-FSVC-M267-168-X	2
10 3/4	273	-172	S-FSVC-M273-172-X	2
11	279	-176	S-FSVC-M279-176-X	2
11 1/4	286	-180	S-FSVC-M286-180-X	2
11 1/2	292	-184	S-FSVC-M292-184-X	2
11 3/4	298	-188	S-FSVC-M298-188-X	2
12	305	-192	S-FSVC-M305-192-X	1.5

Available in continuous lengths up to 150 feet.
When ordering: for the “X” value substitute “WS” for serged edges and “NS” for not serged edges.

This is a custom fabrication item – please allow 3 to 10 business days from date of order. Contact us to determine the specific production time for your order. This product is fabricated from slit braided sleeve (Up to and including 3.5” I.D.) and coated woven fabric for larger sizes (greater than 3.5” I.D.). For both base materials the long edge of the sleeve has some fray of the underlying fiberglass, which does not affect the performance of the sleeve, and is only an aesthetic consideration. For customers requiring a cleaner edge, serged (overlock sewn) edges can be supplied at an additional $1.25 per foot (both edges).

This Product is Available By The Foot / Metre

500°F / 260°C: Silicone Rubber Coated Knitted Fiberglass Tape *Non-Adhesive*

High Temperature, Heat & Flame Resistant Industrial Tape & Wrap

- Industrial Tape & Wrap, available in 1" width increments up to 5 inches, is made from a knitted base material. This tape has an approximate 5% elongation capability in the lengthwise direction and 15% in the width wise direction, making for easy installations due to its self compressive characteristic when slightly stretched during wrapping. Tape is 0.142" / 3.6mm thick nominal.
- A Heavy Duty version Tape & Wrap (part number AB-FTHD), available in widths from ½" through 40" wide, is made from our heaviest grade 98 oz/yd^2 woven material. Due to the base material being woven instead of knitted, the FTHD tape has negligible elongation capability in all directions.
- Also an excellent cold temperature tape with flexibility to -76°C for refrigeration and cryogenic applications.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

High Temperature Silicone Rubber Coated Fiberglass Industrial Tape & Wrap – Non Adhesive		
Tape Width inch / mm		**Part Number**
1	25	T-SR-FGT-M025-16-X
2	51	T-SR-FGT-M051-32-X
3	76	T-SR-FGT-M076-48-X
4	102	T-SR-FGT-M102-64-X
5	127	T-SR-FGT-M127-80-X

For the "X" value, use "R" for Full Spool, use "F" for By-The-Foot

1", 2" and 3" wide tape is available By-The-Foot

Standard length is 100 Feet / 30 Metres, rolled

High Temperature Tape & Wrap is typically used to wrap hydraulic hoses, lines, cables and wiring when a sleeve cannot be installed. The base fabric is a knitted fibreglass, and provides the tape with a small amount of elongation or stretch capability; which allows the over-wrap to hold tight onto what is being wrapped due to the compression that exists when stretched. Band clamps, wire ties or other fasteners can be used to secure the tape if necessary along the wrapped length or at the end of the wrap. An alternative to using Tape is Sleeve with VC, which is a sleeve with Velcro closure.

500°F / 260°C: Silicone Rubber Coated Woven Fiberglass Tape
Non-Adhesive
High Temperature, Heat & Flame Resistant Heavy Duty Tape & Wrap

Heavy Duty Tape & Wrap, from ½" through 40" wide is made from our heaviest grade 98 oz/yd² material.

This tape is made from a heavy woven base fabric, which provides for very little elongation capability. This tape is stiffer than the AB-FT series tapes

This tape can also be layered and stitched with either face on each side. Multiply price by 2.5 times for 2 layer tape.

High Temperature Silicone Rubber Coated Fiberglass Heavy Duty Tape & Wrap

Part Number	Width inch / mm / -dash				
T-SR-FGHD-M013-08	1/2	13	-08		$ 7.45
T-SR-FGHD-M019-12	3/4	19	-12		$ 9.09
T-SR-FGHD-M025-16	1	25	-16		$ 11.05
T-SR-FGHD-M032-20	1 1/4	32	-20		$ 12.76
T-SR-FGHD-M038-24	1 1/2	38	-24		$ 14.50
T-SR-FGHD-M044-28	1 3/4	44	-28		$ 15.78
T-SR-FGHD-M051-32	2	51	-32		$ 16.43
T-SR-FGHD-M057-36	2 1/4	57	-36		$ 18.30
T-SR-FGHD-M064-40	2 1/2	64	-40		$ 20.11
T-SR-FGHD-M070-44	2 3/4	70	-44		$ 21.88
T-SR-FGHD-M076-48	3	76	-48		$ 22.66
T-SR-FGHD-M083-52	3 1/4	83	-52		$ 25.62
T-SR-FGHD-M089-56	3 1/2	89	-56		$ 28.47
T-SR-FGHD-M095-60	3 3/4	95	-60		$ 30.96
T-SR-FGHD-M102-64	4	102	-64	$ 10.01	$ 32.83
T-SR-FGHD-M108-68	4 1/4	108	-68	$ 10.61	$ 34.80
T-SR-FGHD-M114-72	4 1/2	114	-72	$ 11.37	$ 37.30
T-SR-FGHD-M121-76	4 3/4	121	-76	$ 11.97	$ 39.26
T-SR-FGHD-M127-80	5	127	-80	$ 12.84	$ 42.12
T-SR-FGHD-M133-84	5 1/4	133	-84	$ 13.79	$ 45.23
T-SR-FGHD-M140-88	5 1/2	140	-88	$ 14.71	$ 48.25
T-SR-FGHD-M146-92	5 3/4	146	-92	$ 15.65	$ 51.33
T-SR-FGHD-M152-96	6	152	-96	$ 16.58	$ 54.38
T-SR-FGHD-M159-100	6 1/4	159	-100	$ 17.47	$ 57.30
T-SR-FGHD-M165-104	6 1/2	165	-104	$ 18.39	$ 60.32
T-SR-FGHD-M171-108	6 3/4	171	-108	$ 19.27	$ 63.21
T-SR-FGHD-M178-112	7	178	-112	$ 20.18	$ 66.19
T-SR-FGHD-M184-116	7 1/4	184	-116	$ 21.09	$ 69.18
T-SR-FGHD-M191-120	7 1/2	191	-120	$ 22.02	$ 72.23
T-SR-FGHD-M197-124	7 3/4	197	-124	$ 22.98	$ 75.37
T-SR-FGHD-M203-128	8	203	-128	$ 23.87	$ 78.29
T-SR-FGHD-M210-132	8 1/4	210	-132	$ 24.84	$ 81.48
T-SR-FGHD-M216-136	8 1/2	216	-136	$ 25.78	$ 84.56
T-SR-FGHD-M222-140	8 3/4	222	-140	$ 26.81	$ 87.94
T-SR-FGHD-M229-144	9	229	-144	$ 27.85	$ 91.35
T-SR-FGHD-M235-148	9 1/4	235	-148	$ 28.47	$ 93.38
T-SR-FGHD-M241-152	9 1/2	241	-152	$ 28.94	$ 94.92
T-SR-FGHD-M248-156	9 3/4	248	-156	$ 29.53	$ 96.86
T-SR-FGHD-M254-160	10	254	-160	$30.03	$ 98.50

Add "-C4" for double layer stitched (approx .27") thick

Tape is nominal 0.1350" / 3.4mm thick nominal single layer.

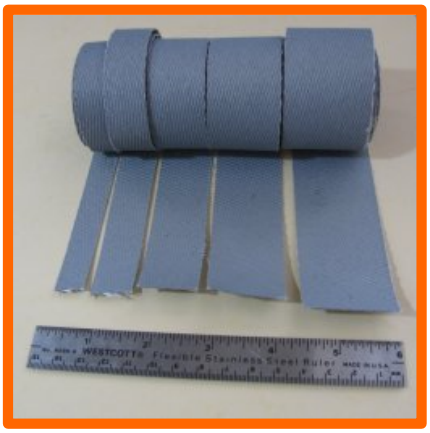
This product is available By-The-Foot. For sizes larger than 10" wide please call for a quote

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.

2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

500°F / 260°C: Two-Side Silicone Rubber Coated Fiberglass Tape & Wrap, Non-Adhesive

High Temperature, Heat & Flame Resistant



This tape is made from silicone rubber coated fabric; and is typically used as a gasket material or to wrap hydraulic hoses, lines, cables and wiring when a sleeve cannot be installed. The tape has an internal woven fiberglass fabric base which allows only a very minimal amount of bias elongation and negligible elongation along its width and length. (1-side coated tapes such as part number T-SR-FGT provide higher elongation).

Tape thicknesses A is made by slitting the fabric roll, while thicknesses B and C are made by layering and stitching. Also an excellent cold temperature tape with flexibility to -76°C for refrigeration and cryogenic applications.

The edges of this tape can be sealed with our liquid silicone SleeveSeal™. This tape makes an excellent weatherproofing when sealed with SleeveSeal™ Tape or Dip or Paste.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection

High Temperature Two-Side Silicone Rubber Coated Fiberglass Tape & Wrap					
Part Number	**Width in / mm**		**Price per Foot / Metre by Thickness: A / B / C**		
			A 1/16" / 1.59mm	**B 1/8 / 3.18mm**	**C 1/4" / 6.35mm**
T-SR-FG-S2-M025-16-X	1.0	25	$ 1.92 / $ 6.30	$ 3.84 / $ 12.60	$ 7.68 / $ 25.19
T-SR-FG-S2-M032-20-X	1.25	32	$ 2.40 / $ 7.87	$ 4.80 / $ 15.74	$ 9.60 / $ 31.49
T-SR-FG-S2-M038-24-X	1.5	38	$ 2.88 / $ 9.45	$ 5.76 / $ 18.89	$ 11.52 / $ 37.79
T-SR-FG-S2-M051-32-X	2.0	51	$ 3.84 / $ 12.60	$ 7.68 / $ 25.19	$ 15.36 / $ 50.38
T-SR-FG-S2-M064-40-X	2.5	64	$ 4.80 / $ 15.74	$ 9.60 / $ 31.49	$ 19.20 / $ 62.98
T-SR-FG-S2-M076-48-X	3.0	76	$ 5.76 / $ 18.89	$ 11.52 / $ 37.79	$ 23.04 / $ 75.57
T-SR-FG-S2-M089-56-X	3.5	89	$ 6.72 / $ 22.04	$ 13.44 / $ 44.08	$ 26.88 / $ 88.17
T-SR-FG-S2-M102-64-X	4.0	102	$ 7.68 / $ 25.19	$ 15.36 / $ 50.38	$ 30.72 / $ 100.76
T-SR-FG-S2-M127-80-X	5.0	127	$ 9.60 / $ 31.49	$ 19.20 / $ 62.98	$ 38.40 / $ 125.95
T-SR-FG-S2-M152-96-X	6.0	152	$ 11.52 / $ 37.79	$ 23.04 / $ 75.57	$ 46.08 / $ 151.14
T-SR-FG-S2-M178-112-X	7.0	178	$ 13.44 / $ 44.08	$ 26.88 / $ 88.17	$ 53.76 / $ 176.33
T-SR-FG-S2-M203-128-X	8.0	203	$ 15.36 / $ 50.38	$ 30.72 / $ 100.76	$ 61.44 / $ 201.52
T-SR-FG-S2-M254-160-X	10.0	254	$ 19.20 / $ 62.98	$ 38.40 / $ 125.95	$ 76.88 / $ 252.17
T-SR-FG-S2-M305-192-X	12.0	305	$ 23.04 / $ 75.57	$ 46.08 / $ 151.14	$ 92.16 / $ 302.29
T-SR-FG-S2-M355-224-X	14.0	355	$ 26.88 / $ 88.17	$ 53.76 / $ 176.33	$ 107.52 / $ 352.67
T-SR-FG-S2-M457-288-X	18.0	457	$ 34.56 / $ 113.36	$ 69.12 / $ 226.71	$ 138.24 / $ 453.43
T-SR-FG-S2-M508-320-X	20.0	508	$ 38.40 / $ 125.95	$ 76.80 / $ 251.91	$ 153.60 / $ 503.81

- For the "X" value, specify A, B or C in part number to correspond to the desired thickness
  A1 = 1/16" / .0625" / 1.59mm B2 = 1/8" / .125" / 3.18mm C4 = ¼" / .250" / 6.35mm

Band clamps, wire ties or other fasteners can be used to secure the tape if necessary along the wrapped length or at the end of the wrap. An alternative to using this tape is to use sleeve with Velcro closure. For gasket applications, this tape can usually be secured with a silicone adhesive such as our AB-HTG-165 (general purpose high temperature silicone adhesive) or AB-SRB-201 (specialty adhesive for bonding silicone rubber components together). For larger sizes than 12" please call for a quote

500°F / 260°C: High Temperature, Heat & Flame Resistant Silicone Rubber Coated Fiberglass Rope:

Gasket Rope for Liquid / Gas / Steam

Excellent for high temperature sealing, especially for liquid or gas containment, steam, etc.

Also an excellent cold temperature rope with flexibility to -76°C for refrigeration and cryogenic applications.

500°F / 260°C continuous rating with higher intermittent capability
Weld splatter & molten metal splash protection.

High Temperature Silicone Rubber Coated Fiberglass Rope					
Nominal ID Inches / mm / Dash #			**Part Number**	**Price per Foot**	**Price per Metre**
1/4	6	-4	R-SR-FG-M006-04	$ 1.85	$ 6.07
5/16	8	-5	R-SR-FG -M008-05	$ 1.99	$ 6.53
3/8	10	-6	R-SR-FG -M010-06	$ 2.74	$ 8.98
1/2	13	-8	R-SR-FG -M013-08	$ 3.39	$ 11.12
5/8	16	-10	R-SR-FG -M016-10	$ 4.50	$ 14.76

Other larger size ropes can also be coated, please inquire. Also available; square braided ropes can be silicone rubber coated

Standard length is 100 feet / 30 Metres

High temperature rope, typically used as a gasket, providing a high-temperature seal that provides a higher degree of liquid or gas containment compared to a plain tape or rope gasket. The rope can be partially or completely coated (partially coated rope allows for gluing or other methods of fastening). This rope can also be fabricated into a closed ring and is ideal for many gasket and sealing applications on boilers and similar industrial appliances.

This product is available By-The-Foot or in standard 100 foot / 30 Metre lengths

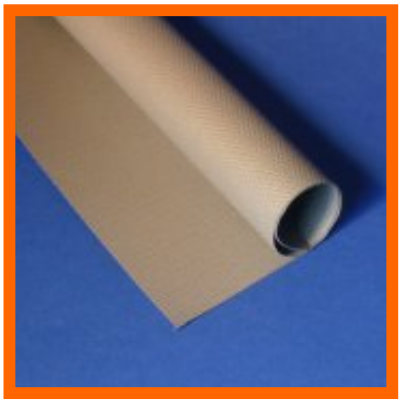
500°F / 260°C: FlameShield™ High Temperature, Heat & Flame Resistant Silicone Rubber Coated Fiberglass Cloth:

Molten Metal SplashGuard™ / Fire Blanket / Welding Blanket / Curtains-Shields

- ***Heavy Duty Coated One Side / Medium Duty Coated One Side***
- ***Light & Medium Duty Coated Two Sides***

Heavy Duty 50 & 98
Coated 1 Side

Medium Duty 22 & 32
Coated 2 sides



Light Duty 8.5, 15 & 18
Coated 2 sides

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

High Temperature Silicone Rubber Coated Fiberglass Fabric Molten Metal SplashGuard™ / Fire Blanket / Welding Splatter Blanket					
Part Number	**Weight Linear foot / oz/yd²**	**Roll Width In / cm**	**Thickness In / mm**	**Price per Yard**	**Price per Metre**
1 side coated fabrics:					
F-SR-FG-12540-98-1-OR	2.20 lbs / 98	40 / 101	0.125 / 3.175	$ 321.00	$ 349.89
F-SR-FG-6336-50-1-OR*	1.10 lbs / 50	36 / 91	0.063 / 1.60	$ 116.60	$ 127.09
2 side coated fabrics:					
F-SR-FG-00960-8.5-2-SG	0.29 lbs / 8.5	60 / 152	0.009 / 0.23	$ 28.33	$ 30.88
F-SR-FG-1460-15-2-SG	0.52 lbs / 15	60 / 152	0.014 / 0.36	$ 34.16	$ 37.24
F-SR-FG-1560-18-2-SG	0.40 lbs / 18	60 / 152	0.015 / 0.38	$ 26.28	$ 28.65
F-SR-FG-1760-22-2-OR	0.46 lbs / 22	60 / 152	0.017 / 0.43	$ 38.61	$ 42.09
F-SR-FG-3260-32-2-SG	0.70 lbs / 32	60 / 152	0.032 / 0.81	$ 108.16	$ 117.89

COLORS: OR = Oxide-Red / SG = Silver Grey

Available in lengths up to 150 feet / 50 Yards / 45 Metres

* This material may be certified to MIL-I-24244 and meets NRC 1.36.

Heavy Duty 98oz SplashGuard is an extreme duty fabric often fabricated into sleeves or other forms to protect hoses, cables and equipment from extreme industrial environments. Can be used to drape over moulds and forms during liquid metal pouring operations to slow the cooling rate of the ingot.

Other lighter fabrics and 2 side coated fabrics are used as high temperature curtains and shields, weld splatter and pyro resistant sleeves and jackets, weather or spray-down / wash-down resistant high temperature fabric for making protective covers, sleeves, jackets.

All of these fabrics provide excellent cold temperature performance with flexibility to -76°C for refrigeration and cryogenic applications. Flame Resistance: All fabrics provide 1 second maximum Flame Out and Afterglow; test method FED 191/5903.2.

This Product is Available By-The-Yard / Metre: Discounts for full roll purchases

500°F / 260°C: FlameShield™ SleeveSeal™ Silicone End Wrap Tape

Self Binding Self-Fusing Tape

High Temperature, Heat & Flame Resistant

- Self-bonds / self fuses / self amalgamating. No sticky residue or adhesive when removed. Starts curing within minutes, fully bonded within hours. Excellent cold weather and cryogenic performance.
- Excellent for sealing ends of firesleeve: prevents sleeve from contamination and wicking liquids. Excellent for wrapping electrical & mechanical connections and splices. Makes clean and neat installations of cables, wires and hoses. Makes an instant separation bumper and provides vibration dampening. Secures insulation to hot air ducting.
- Meets Mil-I-46852 and AA59163 specifications. Certification available. Equivalent to MOX 600R and 600T levelwrap series; 602-1, 603-1, 604-1, 605-1, 606-1, 607-1. McDonnel Douglas / Boeing DMS-2186 Type II, McDonnell Douglas Helicopter HS5215, General Dynamics P5384, Martin Marietta MMS 517-6 Type II, McDonnell Douglas P.S. 17115, ST0130RB0078 Type I, 3003M70P01, MS70T09-S, WS1363A, Premier Farnell 810112, Safe Flight 59562-5. NSN-5970009494846 & NSN-5970009559976.
- All tapes meet horizontal burn test criteria of FAR 25.853.

- Sinusoidal Fiberglass Reinforced version available with 15% (RST15) or 25% (RST25) maximum stretch. Meets Mil-i-22444; certification available. Equivalent to MOX SA and MOX SB series tapes SB01020, SB00520, SB01015, SB01050 & SA00520, SA01020, SA03030, SA01015; DMS-2186 Type I, EMD/EMS 2074; General Dynamics P5189 & 5-00857; General Electric A50A493-C/D & A50E112; Grumman GT353V; RMS315; Simmonds 151274 (black); IBM 6084744.

FlameShield™ SleeveSeal™ High Temperature Silicone End Wrap Tape				
Part Number	**Tape Width Inches / mm**	**Thickness inches / mm**	**Type / Profile**	**Price Per Roll**
Mil-I-46852 / AA59163 Tapes: Type I and Type II				
T-SR-M013-08-RXX-30-Z	1/2 / 13	0.030 / 0.76	I / Rectangular	$ 37.16
T-SR-M025-16-TXX-20-Z	1 / 25	0.020 / 0.5	II / Triangular	$ 33.21
T-SR-M025-16-RXX-20-Z	1 / 25	0.020 / 0.5	I / Rectangular	$ 34.71
T-SR-M038-24-ROR-20-Z	1 ½ / 38	0.020 / 0.5	I / Rectangular	$ 47.82
T-SR-M038-24-TXX-60-Z	1 ½ / 38	0.060 / 1.5	II / Triangular	$ 122.77
Mil-I-22444 Tapes: Type I				
T-RSR-15-M025-16-XX-20-Z	1 / 25	0.020 / 0.5	I / Rectangular	$ 77.29
T-RSR-25-M025-16-XX-20-Z	1 / 25	0.020 / 0.5	I / Rectangular	$ 77.29

Please enquire for pricing on sizes other than those listed above.
This tape can be made in thicknesses from 0.010" to 0.080" and in various widths.

- Standard roll length is 36 feet / 12 Yards / 10.9 Metres
- For the XX value (color code): OR = Oxide-Red, BK = Black, CL = Clear
  Clear is not available in Mil-I-46852 / AA59163 Tapes
- For the "Z" Value: Substitute "CT" for Certified Tape or "NC" for Not Certified
- Add $6.00 for individual roll CofC. Lot/Batch CofC $10.00 per order line item

FlameShield™ SleeveSeal™ end wrap tape is a unique adhesive-free tape which self-fuses / self-bonds when wrapped over itself, providing an excellent water-tight and air-tight seal. Leaves no residue when removed. Typically used to protect the free ends of firesleeve from wicking liquids once installed on hoses or cables. This tape can also be used to overwrap plain sleeves and tapes to provide extra security from movement or sliding. Makes clean and neat installations of cables, wires and hoses.

Both versions of the 1 inch / 25mm wide Mil-I-46852 and AA59163 tapes have a center guideline stripe to assist in making 50% overwraps. The triangular profile version tape allows for minimal ridge lines, providing splices and joints with an almost totally smooth surface (prevents snagging when splice pulled through obstructions).

This Product is available in full rolls only

500°F / 260°C: SnapSleeve™: High Temperature, Heat & Flame Resistant Silicone Rubber Coated Fiberglass Sleeve with Snap Closures: *Heavy Duty Removable Molten Splash Protection*

This heavy duty silicone rubber coated fibreglass sleeve with snap style closures protects industrial wire, cable and hose with the benefits of being installed & removed as required. Typical applications are as robotic welding cable protection, steel mill roll-stand hydraulic hose protection or as a cover in extreme environments where serviceability is required. This is a custom fabrication item – please allow 3 to 10 business days from date of order. Available in continuous lengths up to 150 feet.

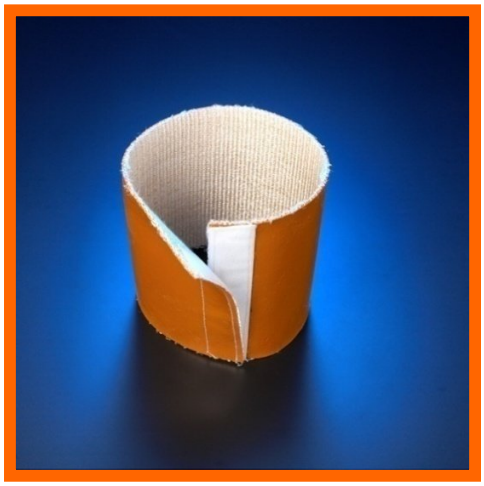
Also an excellent cold temperature sleeve with flexibility to -76°C for refrigeration and cryogenic applications.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

SnapSleeve™ Heavy Duty Removable Molten Splash Protection Sleeve					
Nominal ID inches / mm / Dash #			Part Number		
1	25	-16	S-FSSC-M025-16	$ 20.29	$ 66.55
1 1/4	32	-20	S-FSSC-M032-20	$ 22.60	$ 74.13
1 1/2	38	-24	S-FSSC-M038-24	$ 24.83	$ 81.44
1 3/4	44	-28	S-FSSC-M044-28	$ 26.77	$ 87.81
2	51	-32	S-FSSC-M051-32	$ 29.00	$ 95.12
2 1/4	57	-36	S-FSSC-M057-36	$ 31.23	$ 102.43
2 1/2	64	-40	S-FSSC-M064-40	$ 33.49	$ 109.85
2 3/4	70	-44	S-FSSC-M070-44	$ 35.80	$ 117.42
3	76	-48	S-FSSC-M076-48	$ 37.94	$ 124.44
3 1/4	83	-52	S-FSSC-M083-52	$ 40.34	$ 132.32
3 1/2	89	-56	S-FSSC-M089-56	$ 42.29	$ 138.71
3 3/4	95	-60	S-FSSC-M095-60	$ 44.51	$ 145.99
4	102	-64	S-FSSC-M102-64	$ 48.37	$ 158.65
4 1/4	108	-68	S-FSSC-M108-68	$ 50.54	$ 165.77
4 1/2	114	-72	S-FSSC-M114-72	$ 52.94	$ 173.64
4 3/4	121	-76	S-FSSC-M121-76	$ 55.17	$ 180.96
5	127	-80	S-FSSC-M127-80	$ 57.54	$ 188.73
5 1/4	133	-84	S-FSSC-M133-84	$ 59.37	$ 194.73
5 1/2	140	-88	S-FSSC-M140-88	$ 61.66	$ 202.25
5 3/4	146	-92	S-FSSC-M146-92	$ 63.94	$ 209.72
6	152	-96	S-FSSC-M152-96	$ 66.11	$ 216.84
6 1/4	159	-100	S-FSSC-M159-100	$ 68.51	$ 224.71
6 1/2	165	-104	S-FSSC-M165-104	$ 70.74	$ 232.03
6 3/4	171	-108	S-FSSC-M171-108	$ 72.74	$ 238.59
7	178	-112	S-FSSC-M178-112	$ 74.97	$ 245.90
7 1/4	184	-116	S-FSSC-M184-116	$ 76.97	$ 252.46
7 1/2	191	-120	S-FSSC-M191-120	$ 79.54	$ 260.89
7 3/4	197	-124	S-FSSC-M197-124	$ 81.77	$ 268.21
8	203	-128	S-FSSC-M203-128	$ 83.69	$ 274.50
8 1/4	210	-132	S-FSSC-M210-132	$ 86.26	$ 282.93
8 1/2	216	-136	S-FSSC-M216-136	$ 88.43	$ 290.05
8 3/4	222	-140	S-FSSC-M222-140	$ 90.23	$ 295.95
9	229	-144	S-FSSC-M229-144	$ 92.57	$ 303.63

This Product is Available By-The-Foot / Metre

Silicone Rubber Coated Sleeve
Heavy Duty EAF Cable Cover
Small Diameter



EasyInstall™ High Temperature sleeve with Velcro hook and loop closure is a heavy duty sleeve perfect for protecting industrial hose and cable, but with the benefits of being installed & removed as required without disconnecting the hose, cable or wire.

Typical applications are as an Electric Arc Furnace cable cover, robotic welding cable protection, steel mill roll-stand hydraulic hose protection, steel mill cooling water hose protection or as a cover in extreme environments where serviceability is required.

The Velcro closure remains inside of the sleeve and is protected by the fabric overlap. The thread used is a high temperature Kevlar.

Also an excellent cold temperature sleeve with flexibility to -76°C for refrigeration and cryogenic applications.

500°F / 260°C continuous rating with weld splatter / molten metal splash protection.
2200°F / 1205°C for periods up to 15 minutes and short excursions to 3000°F / 1650°C.

High Temperature Silicone Rubber Coated Fiberglass Sleeve with Velcro Closure – Small Diameter						
Nominal ID inches / mm / Dash #			**Part Number**	**Velcro Width, inches**		
1/2	13	-08	S-FSVC-M013-08-X	1/2		
3/4	19	-12	S-FSVC-M019-12-X	1/2		
1	25	-16	S-FSVC-M025-16-X	5/8		
1 1/4	32	-20	S-FSVC-M032-20-X	5/8		
1 1/2	38	-24	S-FSVC-M038-24-X	3/4		
1 3/4	44	-28	S-FSVC-M044-28-X	3/4		
2	51	-32	S-FSVC-M051-32-X	3/4		
2 1/4	57	-36	S-FSVC-M057-36-X	3/4		
2 1/2	64	-40	S-FSVC-M064-40-X	3/4		
2 3/4	70	-44	S-FSVC-M070-44-X	3/4		
3	76	-48	S-FSVC-M076-48-X	3/4		
3 1/4	83	-52	S-FSVC-M083-52-X	3/4		
3 1/2	89	-56	S-FSVC-M089-56-X	3/4		
3 3/4	95	-60	S-FSVC-M095-60-X	3/4		
4	102	-64	S-FSVC-M102-64-X	1		
4 1/4	108	-68	S-FSVC-M108-68-X	1		
4 1/2	114	-72	S-FSVC-M114-72-X	1		
4 3/4	121	-76	S-FSVC-M121-76-X	1		
5	127	-80	S-FSVC-M127-80-X	1		

Available in continuous lengths up to 100 feet for up to 3.5” I.D. 150 feet for larger I.D.s.
When ordering: for the “X” value substitute “WS” for serged edges and “NS” for not serged edges.

This is a custom fabrication item – please allow 3 to 10 business days from date of order. Contact us to determine the specific production time for your order.

This product is fabricated from slit braided sleeve (Up to and including 3.5” I.D.) and coated woven fabric for larger sizes (greater than 3.5” I.D.). For both base materials the long edge of the sleeve has some fray of the underlying fiberglass, which does not affect the performance of the sleeve, and is only an aesthetic consideration. For customers requiring a cleaner edge, serged edges (overlock sewn) can be supplied at an additional $1.25 per foot (both edges).

This Product is Available By-The-Foot / Metre

High Temperature & Heat Resistant Silicone Rubber Tubing

500°F / 260°C continuous rating with weld splatter / molten metal splash protection

High Temperature, Heat & Flame Resistant Silicone Rubber Tubing				
Part Number	**Inside Diameter in / mm**	**Wall Thickness in / mm**	**Coiled Length ft / m**	
SR-SRT-ID104-M260-W04-10-R	.104 / 2.60	.040 / 1.00	100 / 30.48	
SR-SRT-ID110-M280-W04-10-R	.110 / 2.80	.040 / 1.00	100 / 30.48	
SR-SRT-ID130-M330-W04-10-R	.130 / 3.30	.040 / 1.00	100 / 30.48	
SR-SRT-ID149-M380-W04-10-R	.149 / 3.80	.040 / 1.00	100 / 30.48	
SR-SRT-ID163-M410-W04-10-R	.163 / 4.10	.040 / 1.00	100 / 30.48	
SR-SRT-ID181-M460-W04-10-R	.181 / 4.60	.040 / 1.00	100 / 30.48	
SR-SRT-ID224-M570-W04-10-R	.224 / 5.70	.040 / 1.00	100 / 30.48	
SR-SRT-ID239-M610-W04-10-R	.239 / 6.10	.040 / 1.00	100 / 30.48	
SR-SRT-ID302-M770-W06-15-R	.302 / 7.70	.060 / 1.50	100 / 30.48	
SR-SRT-ID330-M840-W06-15-R	.330 / 8.40	.060 / 1.50	100 / 30.48	
SR-SRT-ID363-M920-W06-15-R	.363 / 9.20	.060 / 1.50	100 / 30.48	
SR-SRT-ID380-M970-W06-15-R	.380 / 9.70	.060 / 1.50	100 / 30.48	
SR-SRT-ID420-M1060-W06-15-R	.420 /10.60	.060 / 1.50	100 / 30.48	
SR-SRT-ID460-M1170-W06-15-R	.460 / 11.70	.060 / 1.50	100 / 30.48	
SR-SRT-ID485-M1230-W06-15-R	.485 / 12.30	.060 / 1.50	50 / 15.24	
SR-SRT-ID535-M1360-W06-15-R	.535 / 13.60	.060 / 1.50	50 / 15.24	
SR-SRT-ID609-M1550-W06-15-R	.609 / 15.50	.060 / 1.50	50 / 15.24	
SR-SRT-ID727-M1850-W06-15-R	.727 / 18.50	.060 / 1.50	50 / 15.24	
SR-SRT-ID853-M2167-W06-15-R	.853 / 21.67	.060 / 1.50	50 / 15.24	
SR-SRT-ID915-M2334-W06-15-R	.915 / 23.34	.060 / 1.50	50 / 15.24	
SR-SRT-ID975-M2477-W06-15-R	.975 / 24.77	.060 / 1.50	50 / 15.24	

This Product is NOT Available By-The-Foot – Full Coil Quantity Only

These silicone rubber products provide excellent cold temperature performance with flexibility to -76°C for refrigeration and cryogenic applications.

High Temperature & Heat Resistant Silicone Rubber Tapered Plugs: Small Sizes

- High Temperature natural color Silicone Rubber for use at 500°F / 260°C continuous and up to 600°F / 316°C intermittent short duration.
- Also available in EPDM (black) with a lower temperature range (425°F / 218°C).

High Temperature & Heat Resistant Silicone Rubber Tapered Plugs
Small Size: 1.6mm x .4mm x 15.9mm to 12.7mm x 7.9mm x 25.4mm
(Above dimension is Wide End x Small End x Length)

Part Number	Large End Diameter in / mm	Small End Diameter in / mm	Length in / mm	Pack Quantity	
SR-TP-1.6-0.4-15.9	.062 / 1.6	.016 / 0.4	.625 / 15.9	1000	
SR-TP-2.0-0.5-19.1	.078 / 2.0	.020 / 0.5	.750 / 19.1	1000	
SR-TP-3.2-0.8-15.9	.125 / 3.2	.031 / 0.8	.625 / 15.9	1000	
SR-TP-3.2-1.6-15.9	.125 / 3.2	.062 / 1.6	.625 / 15.9	1000	
SR-TP-4.7-1.6-15.9	.187 / 4.7	.062 / 1.6	.625 / 15.9	1000	
SR-TP-4.7-1.6-19.1	.187 / 4.7	.062 / 1.6	.750 / 19.1	1000	
SR-TP-5.0-1.2-27.9	.197 / 5.0	.049 / 1.2	1.100 / 27.9	1000	
SR-TP-5.1-1.6-19.1	.200 / 5.1	.062 / 1.6	0.750 / 19.1	1000	
SR-TP-6.3-3.2-19.1	.250 / 6.3	.125 / 3.2	0.750 / 19.1	1000	
SR-TP-6.3-3.2-25.4	.250 / 6.3	.125 / 3.2	1.000 / 25.4	1000	
SR-TP-7.1-0.4-25.0	.279 / 7.1	.016 / 0.4	0.984 / 25.0	1000	
SR-TP-8.7-4.7-15.9	.343 / 8.7	.187 / 4.7	0.625 / 15.9	1000	
SR-TP-8.7-4.7-25.4	.343 / 8.7	.187 / 4.7	1.000 / 25.4	1000	
SR-TP-9.5-3.2-31.8	.375 / 9.5	.125 / 3.2	1.250 / 31.8	1000	
SR-TP-9.5-6.3-19.1	.375 / 9.5	.250 / 6.3	0.750 / 19.1	1000	
SR-TP-11.1-6.3-25.4	.437 / 11.1	.250 / 6.3	1.000 / 25.4	1000	
SR-TP-12.0-9.0-18.0	.472 / 12.0	.354 / 9.0	0.708 / 18.0	500	
SR-TP-12.7-3.2-50.8	.500 / 12.7	.125 / 3.2	2.000 / 50.8	500	
SR-TP-12.7-7.9-25.4	.500 / 12.7	.312 / 7.9	1.000 / 25.4	200	
SR-TP-13.67-7.1-25	.538 / 13.67	.279 / 7.14	.984 / 25.0	500	
SR-TP-15.0-10.0-25.4	.590 / 15.0	.393 / 10.0	1.000 / 25.4	100	
SR-TP-15.9-11.1-20.7	.625 / 15.9	.437 / 11.1	.813 / 20.7	200	
SR-TP-17.0-13.0-25.4	.669 / 17.0	.510 / 13.0	1.000 / 25.4	200	

- For the same size plug in EPDM rubber, subtract 10% from pricing. Change prefix from “SRTP” to “ERTP”

High Temperature & Heat Resistant Silicone Rubber Tapered Plugs: Large Sizes

- High Temperature natural color Silicone Rubber for use at 500°F / 260°C continuous and up to 600°F / 316°C intermittent short duration.
- Also available in EPDM (black) with a lower temperature range (425°F / 218°C).

High Temperature, Heat & Flame Resistant Silicone Rubber Tapered Plugs Small Size: 13.67mm x 7.1mm x 25mm to 127mm x 90mm x 50mm					
Part Number	**Large End Diameter in / mm**	**Small End Diameter in / mm**	**Length in / mm**	**Pack Size**	
SR-TP-19.0-14.0-25.4	.748 / 19.0	.550 / 14.0	1.000 / 25.4	100	
SR-TP-20.0-16.0-25.4	.787 / 20.0	.630 / 16.0	1.000 / 25.4	100	
SR-TP-20.24-13.7-25.0	.797 / 20.24	.538 / 13.7	.984 / 25.0	200	
SR-TP-23.8-18.0-25.4	.938 / 23.8	.708 / 18.0	1.000 / 25.4	100	
SR-TP-24.0-15.9-25.4	.945 / 24.0	.625 / 15.9	1.000 / 25.4	100	
SR-TP-24.0-19.2-19.1	.945 / 24.0	.750 / 19.2	.750 / 19.1	100	
SR-TP-26.0-20.0-25.4	1.024 / 26.0	.787 / 20.0	1.000 / 25.4	100	
SR-TP-27.0-23.0-25.4	1.063 / 27.0	.905 / 23.0	1.000 / 25.4	100	
SR-TP-28.0-24.0-25.4	1.102 / 28.0	.945 / 24.0	1.000 / 25.4	100	
SR-TP-30.0-27.8-25.4	1.181 / 30.0	1.094 / 27.8	1.000 / 25.4	50	
SR-TP-32.0-26.0-25.4	1.260 / 32.0	1.024 / 26.0	1.000 / 25.4	100	
SR-TP-34.0-27.0-25.4	1.338 / 34.0	1.063 / 27.0	1.000 / 25.4	100	
SR-TP-37.0-30.0-25.4	1.456 / 37.0	1.180 / 30.0	1.000 / 25.4	50	
SR-TP-38.7-22.9-63.5	1.525 / 38.7	.900 / 22.9	2.500 / 63.5	100	
SR-TP-39.0-31.0-25.4	1.535 / 39.0	1.220 / 31.0	1.000 / 25.4	50	
SR-TP-41.0-33.0-25.4	1.614 / 41.0	1.300 / 33.0	1.000 / 25.4	50	
SR-TP-43.0-36.0-25.4	1.693 / 43.0	1.417 / 36.0	1.000 / 25.4	50	
SR-TP-45.0-37.0-25.4	1.772 / 45.0	1.457 / 37.0	1.000 / 25.4	50	
SR-TP-46.0-38.0-25.4	1.810 / 46.0	1.496 / 38.0	1.000 / 25.4	50	
SR-TP-50.0-42.0-25.4	1.968 / 50.0	1.653 / 42.0	1.000 / 25.4	25	
SR-TP-53.0-45.0-25.4	2.086 / 53.0	1.770 / 45.0	1.000 / 25.4	25	
SR-TP-56.0-48.0-25.4	2.205 / 56.0	1.890 / 48.0	1.000 / 25.4	25	
SR-TP-63.0-50.0-25.4	2.480 / 63.0	1.968 / 50.0	1.000 / 25.4	25	
SR-TP-64.0-54.0-25.4	2.520 / 64.0	2.125 / 54.0	1.000 / 25.4	25	
SR-TP-68.0-58.0-25.4	2.677 / 68.0	2.283 / 58.0	1.000 / 25.4	25	
SR-TP-75.0-62.0-35.0	2.953 / 75.0	2.440 / 62.0	1.377 / 35.0	25	
SR-TP-90.0-75.0-39.0	3.543 / 90.0	2.953 / 75.0	1.535 / 39.0	25	
SR-TP-103.0-83.0-39.0	4.055 / 103.0	3.267 / 83.0	1.535 / 39.0	20	
SR-TP-127.0-90.0-50.0	5.000 / 127.0	3.543 / 90.0	1.968 / 50.0	10	

- For the same size plug in EPDM rubber, subtract 10% from pricing. Change prefix from “SRTP” to “ERTP”

High Temperature & Heat Resistant Silicone Rubber Hollow Tapered Plugs

- High Temperature natural color Silicone Rubber for use at 500°F / 260°C continuous and up to 600°F / 316°C intermittent short duration.
- Also available in EPDM (black) with a lower temperature range (425°F / 218°C).

High Temperature, Heat & Flame Resistant Silicone Rubber Hollow Tapered Plugs

Small Size: 13.67mm x 7.1mm x 25mm to 127mm x 90mm x 50mm

Part Number	Large End Diameter in / mm	Small End Diameter in / mm	Length in / mm	Pack Size	
SR-HTP-27.0-20.3-25.4	1.061 / 27.0	.797 / 20.3	1.000 / 25.4	200	
SR-HTP-30.0-27.8-25.4	1.181 / 30.0	1.094 / 27.8	1.000 / 25.4	50	
SR-HTP-37.0-30.0-25.4	1.456 / 37.0	1.180 / 30.0	1.000 / 25.4	50	
SR-HTP-39.0-31.0-25.4	1.535 / 39.0	1.220 / 31.0	1.000 / 25.4	50	
SR-HTP-41.0-33.0-25.4	1.614 / 41.0	1.300 / 33.0	1.000 / 25.4	50	
SR-HTP-43.0-36.0-25.4	1.693 / 43.0	1.417 / 36.0	1.000 / 25.4	50	
SR-HTP-45.0-37.0-25.4	1.772 / 45.0	1.457 / 37.0	1.000 / 25.4	50	
SR-HTP-46.0-38.0-25.4	1.810 / 46.0	1.496 / 38.0	1.000 / 25.4	50	
SR-HTP-50.0-42.0-25.4	1.968 / 50.0	1.653 / 42.0	1.000 / 25.4	25	
SR-HTP-53.0-45.0-25.4	2.086 / 53.0	1.770 / 45.0	1.000 / 25.4	25	
SR-HTP-56.0-48.0-25.4	2.203 / 56.0	1.890 / 48.0	1.000 / 25.4	25	
SR-HTP-63.0-50.0-25.4	2.480 / 63.0	1.968 / 50.0	1.000 / 25.4	25	
SR-HTP-64.0-54.0-25.4	2.520 / 64.0	2.125 / 54.0	1.000 / 25.4	25	
SR-HTP-68.0-58.0-25.4	2.677 / 68.0	2.283 / 58.0	1.000 / 25.4	25	
SR-HTP-75.0-62.0-35.0	2.953 / 75.0	2.440 / 62.0	1.377 / 35.0	25	
SR-HTP-90.0-75.0-39.0	3.543 / 90.0	2.953 / 75.0	1.535 / 39.0	25	
SR-HTP-103.0-83.0-39.0	4.055 / 103.0	3.267 / 83.0	1.535 / 39.0	20	
SR-HTP-127.0-90.0-50.0	5.000 / 127.0	3.543 / 90.0	1.968 / 50.0	10	

- For the same size plug in EPDM rubber, subtract 10% from pricing. Change prefix from “SR-HTP” to “ER-HTP”

Silicone Rubber Square Sheeting – Ultra Grade

500°F / 260°C: FlameShield™ - High Temperature, Heat & Flame Resistant

Hot process protection

- Used as a heat resistant pad for hot process work.
- High thermal conductivity.
- High electrical resistance.
- Resistant to weld splatter, grinding sparks, solder drips, brazing.
- Can be used to fabricate large gaskets.
- Durometer of 50 +/- 5%. Elongation 350%. Tensile 725 psi. Color is Oxide-Red.
- Meets MIL-STD A-A-59588 Class 2A & 2B (ZZ-R-765)

FlameShield™ high temperature silicone rubber square sheet			
Part Number	**Size**	**Thickness fraction / in / mm**	
F-SR50-36-36-031	36” x 36”	1/32” / .031 / 0.79	
F-SR50-36-36-062	36” x 36”	1/16” / .062 / 1.57	
F-SR50-36-36-093	36” x 36”	3/32 / .093 / 2.36	
F-SR50-36-36-125	36” x 36”	1/8” / .125 / 3.18	
F-SR50-36-36-187	36” x 36”	3/16 / .187 / 4.75	
F-SR50-36-36-250	36” x 36”	¼” / .250 / 6.35	
F-SR50-36-36-375	36” x 36”	3/8” / .375 / 9.52	
F-SR50-36-36-500	36” x 36”	½” / .500 / 12.70	

The color is oxide-red

This item is normally a stock item or 1 to 3 days delivery if not stock

These sheets can be easily used to make shields and covers that are assembled with mechanical fasteners. Easily punched or drilled for installation of grommets, or insertion of sheet metal screws or bolts.

Silicone Rubber Sheet Rolls – Premium Grade

500°F / 260°C: FlameShield™ - High Temperature, Heat & Flame Resistant

Hot process protection

- Used as a heat resistant pad for hot process work.
- High thermal conductivity.
- High electrical resistance.
- Resistant to weld splatter, grinding sparks, solder drips, brazing.
- Can be used to fabricate large gaskets.
- Durometer of 50 +/- 5%, 60 +/-5% or 70 +/-5%. Elongation 350%. Tensile 725 psi. Color is Oxide-Red.
- Meets MIL-STD A-A-59588 Class 2A & 2B (ZZ-R-765)

FlameShield™ high temperature silicone rubber sheet				
Part Number	**Durometer**	**Roll Size / Wt lbs**	**Thickness in / mm**	
F-SR50-36-062-X	50	36” x 50’ / 61	1/16” / .062 / 1.57	
F-SR50-36-093-X	50	36” x 50’ / 92	3/32 / .093 / 2.36	
F-SR50-36-125-X	50	36” x 50’ / 122	1/8” / .125 / 3.18	
F-SR50-36-250-X	50	36” x 50’ / 244	¼” / .250 / 6.35	
F-SR50-48-250-X	50	48” x 50’ / 326	¼” / .250 / 6.35	
F-SR60-36-062-X	60	36” x 50’ / 61	1/16” / .062 / 1.57	
F-SR60-36-125-X	60	36” x 50’ / 122	1/8” / .125 / 3.18	
F-SR60-36-250-X	60	36” x 50’ / 244	¼” / .250 / 6.35	
F-SR60-48-062-X	60	48” x 50’ / 82	1/16” / .062 / 1.57	
F-SR60-48-125-X	60	48” x 50’ / 163	1/8” / .125 / 3.18	
F-SR60-48-250-X	60	48” x 50’ / 326	¼” / .250 / 6.35	
F-SR70-36-062-X	70	36” x 50’ / 61	1/16” / .062 / 1.57	
F-SR70-36-093-X	70	36” x 50’ / 92	3/32 / .093 / 2.36	
F-SR70-36-125-X	70	36” x 50’ / 122	1/8” / .125 / 3.18	
F-SR70-36-250-X	70	36” x 50’ / 244	¼” / .250 / 6.35	
F-SR70-48-062-X	70	48” x 50’ / 82	1/16” / .062 / 1.57	
F-SR70-48-093-X	70	48” x 50’ / 122	3/32 / .093 / 2.36	
F-SR70-48-125-X	70	48” x 50’ / 163	1/8” / .125 / 3.18	
F-SR70-48-250-X	70	48” x 50’ / 326	¼” / .250 / 6.35	

- **For the “X” value, Specify "F" for by-the-foot length, or "R" for full 50 foot.**

Available by the linear foot. Full roll (50 feet) purchase is -10% pricing
This item is normally stock

These materials can be easily used to make shields and covers that are assembled with mechanical fasteners. Easily punched or drilled for installation of grommets, or insertion of sheet metal screws or bolts.

Fiberglass Reinforced Silicone Rubber Sheet – AMS3320 & AMS3315

500°F / 260°C: FlameShield™ - High Temperature, Heat & Flame Resistant

Hot process protection

- Used as a gasket material due to excellent dimensional stability.
- Resistant to weathering and engine oil.
- Thicknesses of .032", .062", .093", .125", & .250". 36" and 48" roll widths.
- Resistant to weld splatter, grinding sparks, solder drips, brazing.
- Tensile 1300 psi.
- Fibreglass layer: 20x18 weave. .014" thickness. 12.5 oz/yd$^{2.}$
- Meets AMS3320 & AMS3315 for baffle sealing.
- Rolls lengths vary during production – please call for availability.
- Available slit into tapes for engine baffle use or precision cut to size for round, square or special shape gaskets.

FlameShield™ high temperature fibreglass reinforced silicone rubber sheet – Meets AMS3320 & AMS3315 Specifications				
Part Number	**Durometer**	**Roll Width**	**Thickness in / mm**	
F-FGSR70-36-032-X	70	36"	1/32" / .032" / 0.79	
F-FGSR70-36-062-X	70	36"	1/16" / .062" / 1.57	
F-FGSR70-48-062-X	70	48"	1/16" / .062" / 1.57	
F-FGSR70-36-093-X	70	36"	3/32 / .093" / 2.36	
F-FGSR70-36-125-X	70	36"	1/8" / .125" / 3.18	
F-FGSR70-48-125-X	70	48"	1/8" / .125" / 3.18	
F-FGSR70-36-250-X	70	36"	¼" / .250" / 6.35	

- **For the "X" value, specify length in yards.**
- **Minimum order is 2 yards**

These materials can be easily used to make shields and covers that are assembled with mechanical fasteners. Easily punched or drilled for installation of grommets, or insertion of sheet metal screws or bolts.

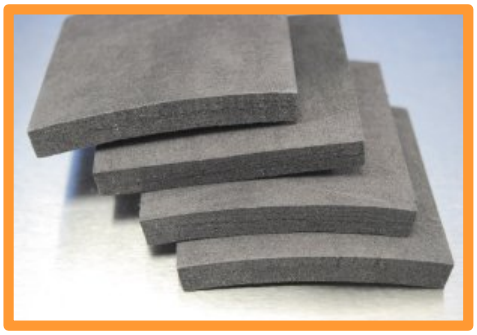
Can be easily slit by hand with a straight edge and knife into tapes for fitting engine baffles by hand. Rolls can also be machine slit.

The edges of this material may be sealed with liquid silicone or paste in order to seal the fiber ends to prevent wicking of liquids or contamination. See our part numbers US-ESD (liquid silicone) and US-ESP (paste silicone).

Silicone Sponge Foam - Closed Cell - Roll & Sheet

Low Thermal Conductivity Insulation

428°F / 220°C: DeltaMax™ High Temperature & Heat Resistant



- Thermal insulation sponge. Available in .250" and .500" thick (+/- .025).
- General purpose sponge is red in color. UL94 V-0 flame resistant is grey in colour.
- Compression deflection at 25% is 12.5 psi.
- Water absorption is 5% maximum, typically 1% measured.
- Thermal conductivity 0.110 W/mK.
- Specific Gravity 0.5
- Operating temperature -50°C to 230°C
- Compression set at 100°C (22 hours) - <20%
- Tensile Strength >100psi
- Elongation - >300%
- Ply adhesion to > 3 lbs/in
- Total mass loss, 125°C, 24 hrs, vacuum - <1%
- Tensile strength retention (250°C 3 days) - >70%
- Elongation retention (250°C 3 days) - >30%

Silicone Sponge Rubber Foam - General Purpose and also UL94 V-0 rated								
Part Number	**Thickness in / mm**		**Color**	**Roll Width * in / cm**		**Roll Length ft / m max**		
IM-SSR-R-4	.250	6.35	Red	46	116.84	150	45.72	
IM-SSR-R-8	.500	12.7	Red	42	106.68	120	36.57	
IM-SSR-G-UL94-4	.250	6.35	Grey	46	116.84	150	45.72	
IM-SSR-G-UL94-8	.500	12.7	Grey	42	106.68	120	36.57	

Minimum order is 3 yards. -5% for roll lengths of 10, 20 or 30 yards. -15% for 50 yards

* Useable width is typically 2 inches less than roll width

Standard Terms and Conditions

1. **Terms and Conditions Applicable:** The terms and conditions set forth herein shall apply to the order referred to in herein. Our acceptance of this order is expressly made conditional upon assent to the terms and conditions set forth herein, which comprise all of the terms and conditions between A-B Thermal Technologies and the purchaser respecting this order, except to the extent that any term or condition shall have been changed or modified as set forth in this agreement. Any other changes or modifications in the terms and conditions contained herein must be specifically agreed to in writing by A-B Thermal Technologies.
2. **Order Minimum:** There will be a minimum order amount required for each order received: consult the "How To Order" section for the minimum order value for each product. There will be an additional $15.00 fee for adding items to an existing order under $100.00. Order minimum does NOT include any tooling, overtime or freight charges. This $15.00 fee can apply to any change made to an existing order, ex. method of shipment, shipping destination, etc.
3. **Cancellation:** Any order may not be cancelled for any reason without the consent of A-B Thermal Technologies. No orders can be cancelled after production has begun.
4. **Delivery:** Any shipping dates set forth in the purchase order or any acknowledgment of the order are the best estimate of actual delivery, but may be changed by mutual agreement. A-B Thermal Technologies shall not be liable for any delays in delivery or default by reason of any occurrences or contingencies, including, but not limited to fire, flood, embargo, strike, failure to secure materials from suppliers, government restrictions considered "force majeure" or any other circumstance beyond A-B Thermal Technologies's control which shall prevent A-B Thermal Technologies from making the deliveries in the normal and usual course of business.
5. **Risk of Loss:** Notwithstanding title to or ownership of the products, risk of loss shall pass to the purchaser as soon as the products are invoiced.
6. **Taxes and Fees:** Any taxes or fees imposed by any federal, provincial, state, municipal or other governmental authority, including any import or export duty that may be applicable to the sale or delivery or transportation of the product or services that may be sold by reason of this order and any and all duties, tariffs and brokerage charges, shall be added to the price of the order and paid by the purchaser except where the purchaser shall have provided a proper certification of exemption therefrom.
7. **Method of Shipment:** Unless otherwise specified in any purchase order, acknowledgement or other specific document relating to this order, all shipments made pursuant to the order shall be made F.O.B. Bowmanville ON, Watertown NY or nearest stocking point. In no event shall the method of shipment modify the risk of loss as specified herein. All freight collect unless otherwise specified. AB Thermal Technologies will endeavour to follow all shipping instructions, however, all freight charges invoiced are due even if AB Thermal Technologies ships by method(s) not specified.
8. **Terms of Payment:** Unless otherwise specified in the purchase order or acknowledgement, all products shall be sold with full payment due within thirty (30) days, if paid within ten (10) days of date of invoice, buyer may deduct one percent (1%) of the cost of goods only. Discounts are not applicable to tooling, expediting, or transportation charges. Any account for which payment has not been received within sixty (60) days from date of invoice will automatically be put on credit hold. Credit hold will also halt production of any other purchase orders that are in progress. A-B Thermal Technologies welcomes payments by credit cards and electronic fund transfers. Any credit card investigation fees where the product was found to be delivered are the responsibility of the customer. Overdue accounts shall accrue interest at 2% per month from the date of becoming overdue. Accounts sent to collection may be assessed a $250.00 collections free. Accounts sent to the company's legal counsel for collection or litigation may be assessed an additional $250.00 legal proceedings fee.
9. **Security Interest:** Until full payment of the purchase price for any product and/or any service order pursuant to the order, A-B Thermal Technologies shall retain a security interest in such products and may, at its option, and without further agreement or signature by the purchaser, file evidence of such security interest.
10. **Warranties:** A-B Thermal Technologies warrants to the original purchaser that its products, under normal use, shall be free from defects in material or workmanship provided that (a) the product has not been tampered with or repaired by any person other than A-B Thermal Technologies, and (b) the product has been sold or used within the time period specified for the shelf life of the product, and (c) the purchaser notified A-B Thermal Technologies in writing of any such defects immediately after discovery thereof. A-B Thermal Technologies shall not be liable for any damages for any product resulting from the misuse or negligence of others or if any alterations have been made in the product which have not been authorized in writing by A-B Thermal Technologies. THIS WARRANTY IS GIVEN IN LIEU OF ANY OTHER REPRESENTATION OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.
11. **Limitation of Liabilities:** The sole and exclusive remedies of the purchaser shall be, at the option of A-B Thermal Technologies, the return of the products and repayment of the price or the repair and replacement of nonconforming products and in no event shall A-B Thermal Technologies be liable for the incidental and consequential damages arising from any cause whatsoever.
12. **Product Liability:** Purchaser acknowledges that A-B Thermal Technologies has no control over and is not responsible for the manner in which the products will be used or otherwise dealt with by the purchaser. The purchaser therefore agrees to assume all responsibility for any and all sums which A-B Thermal Technologies and/or the purchaser become obligated to pay because of bodily injury or property damage caused by or resulting directly or indirectly from the installation, maintenance, use or operation of any products or the failure of the products to comply with any safety laws or regulations. Purchaser shall indemnify and hold A-B Thermal Technologies harmless from and against any and all actions, claims or demands arising out of or in any way connected with the installation, maintenance, use or operation of the products, or the design, construction or composition of any items or items made or handled by the products supplied hereunder, including any such actions, claims and demands based in whole or in part on the default or negligence.
13. **Proprietary Rights:** Any and all models, drawings, sketches, plans and other information supplied by one party to the other shall remain the property of the party who shall have supplied it. The other party may not use any such material or information except with respect to the products and/or services, which are subject to this sale transaction. Any product or service sold hereunder shall not constitute a license to use any of the proprietary rights of A-B Thermal Technologies.
14. **Applicable Law:** The terms and conditions of any contract arising out the transaction between the parties hereto shall be construed in accordance with the laws of the Province of Ontario.
15. **Acceptance:** Hereafter, whether it be verbally or by fax or mail or e-mail, any purchase order issued to A-B Thermal Technologies shall fall under these terms and agreement.

New Account Credit Application

Sign and date if forwarding with standard credit reference attachments

Are you assigning AB Technology Group a Vendor Code? If yes, please provide: _____

Legal Business Name: _____
Address: _____ If a PO Box, please also provide street address:

_____ _____
_____ _____
_____ _____

Phone _____ Fax: _____
Web Site Address : _____

U.S Companies, FED TAX ID NO. _____
Canadian Companies: Business Registration Number: _____
Provincial Tax Exempt? Yes _____ No _____ PST Number
_____
GST Exempt? Yes: ___ No: ___ GST Number: _____

Owner / President / GM _____ Title_____

Form of business: [ ] Corporation [ ] Limited Liability Company or Limited Partnership
[ ] General Partnership [ ] Unincorporated entity

Type of business/industries served: _____

Accounts Payable contact: _____ Tel: _____
Accounts Payable E-mail: _____
Estimated annual purchases $ _____ 30 day revolving credit amount desired: $ _____

Bank reference (name/address/phone number/bank account #)

_____
_____
_____
_____

Trade Credit References (name/address/contact information/phone/fax)

_____

_____

_____

_____

_____ _____
Authorizing Signature Date

By signing this form, the applicant agrees that AB Technology Group may conduct a credit check and exchange information with other parties for the purpose of establishing credit worthiness

Please Note: Standard Credit Terms are 1% 10, Net 30 days