

# ***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 (AA59163 / Mil-i-46852)**
- ✓ **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**

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## **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 Technology 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 fiberglass 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 Technology 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.

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# Silicone Technologies - Uncured Silicones & Silicone Rubber Products

*www.SiliconeTechnologies.com*

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**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](mailto: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](http://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

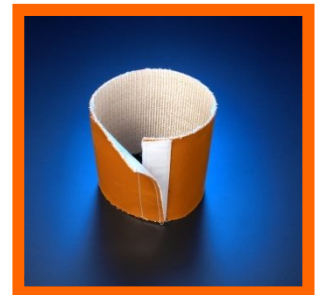
500°F / 260°C continuous rating with weld splatter / molten metal splash protection



FlameShield™ 500 SR FS/HD  
Industrial & HD Sleeve.  
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FlameShield™ 500 SR FSA  
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FlameShield™ 500 SR FSVCS &  
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FlameShield™ 500 SR  
FT, FTHD & FT S2FT  
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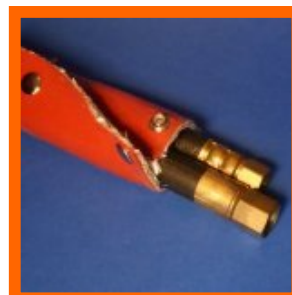
FlameShield™ 500 SR FR  
Rope  
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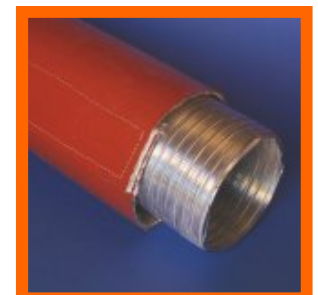
FlameShield™ 500 SR FB  
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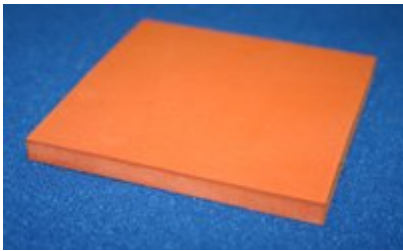


FlameShield™ 500 SR ST  
Silicone Tubing  
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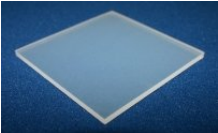


FlameShield™ 500 SR SC &  
SP Silicone Caps &  
Silicone Plugs  
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**Silicone Foam, Sponge & Sheet**



FlameShield™  
Silicone Rubber Foam  
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FlameShield™  
Silicone Rubber Solid Sheet  
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FlameShield™  
Silicone Rubber Sponge  
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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: FC = Fast Cure, HC = Heat Cure, UV = Dual Cure: including with UV light, HS = High Strength, SP = Speciality, SL = Self Leveling

<b>Product</b>	<b>Characteristics</b>	<b>Page</b>
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## 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-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:  $20 \times 10^{-5}$

### CURE SPEED OPTIONS

	<u>Standard</u>	<u>Fast</u>
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

**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 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<sup>-5</sup>

**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

**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

**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 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<sup>-5</sup>  
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-HC-462

**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

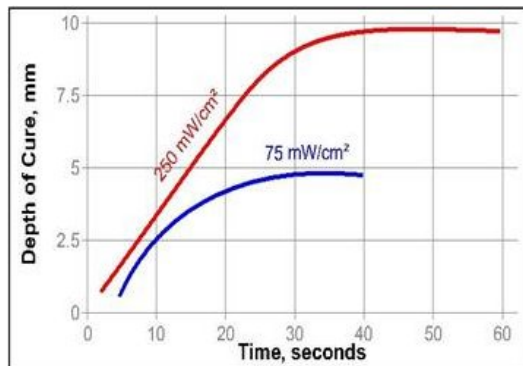
#### Cured 24 Hours at Room Temperature:

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

**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

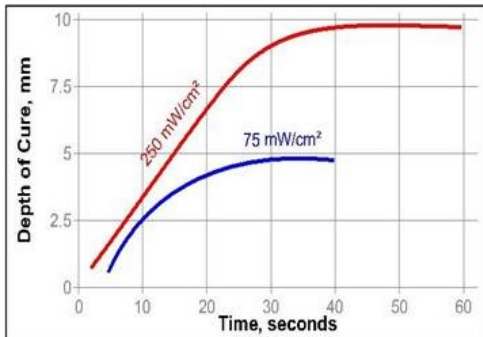
#### Uncured:

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

**US-UV-15249** is a UV dual cure, high strength acetoxysilicone 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

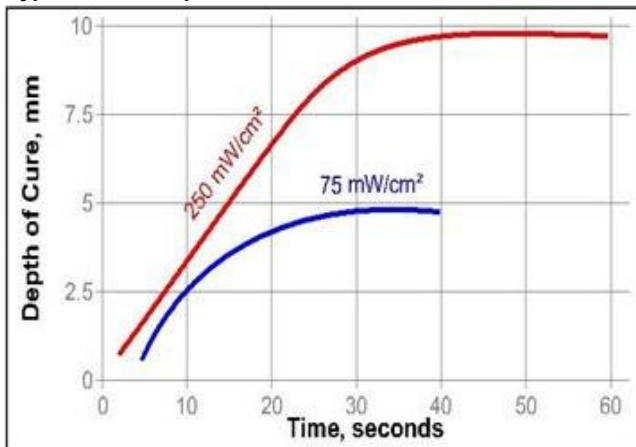
#### Cured 24 Hours at Room Temperature:

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: $20 \times 10^{-5}$	

### 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

**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

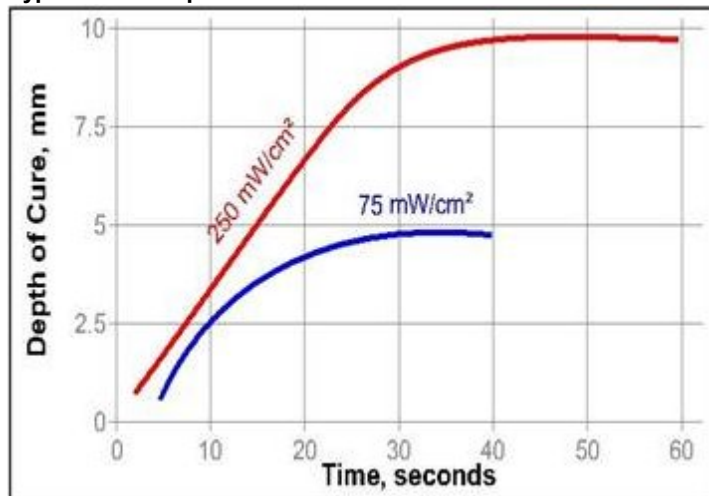
#### Cured 24 Hrs. at Room Temperature:

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

**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

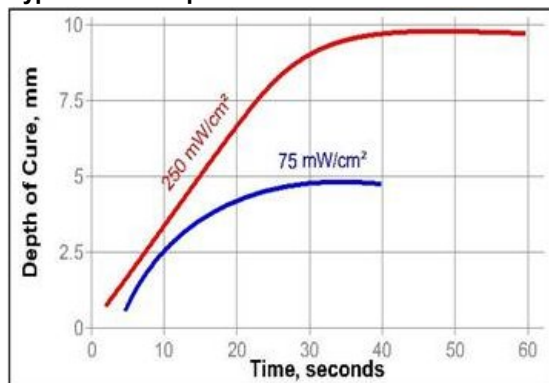
#### Cured 24 hrs. at Room Temperature:

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

**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
- Excellent unprimed adhesion to plastic, metal and glass
- Thixotropic paste
- Convenient, Heat Accelerated

### 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 10 <sup>14</sup>		
Thermal conductivity: 0.0005	Coefficient of Thermal Expansion: 20 x 10 <sup>-5</sup>	

<b>HEAT AGED 24 Hours at 330°C</b>	<b>Durometer</b>	35 (-7.5%)	<b>Tensile</b>	772 (-22.8%)
	<b>Elongation</b>	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 Adhesive Sealant

**US-HS-324** is a fast curing, high strength, acetoxysilicone 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:** Acetoxysilicone 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 Adhesive Sealant

**US-HS-327** is a fast curing, high strength, acetoxysilicone 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:** Acetoxysilicone 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 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: $2.0 \times 10^{14}$	Thermal conductivity: 0.0005	
Coefficient of Thermal Expansion: $20 \times 10^{-5}$		

**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 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 10 <sup>14</sup>	Thermal conductivity: 0.0005	
Coefficient of Thermal Expansion: 20 x 10 <sup>-5</sup>		

**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 <sup>-5</sup>		

**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

**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 <sup>-5</sup>	

**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

**Adhesion:** Adhesion 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 Gasket Dressing

**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  
Odor: none  
VOC's : <1

Appearance: thixotropic gel  
Solids: 100%  
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

## High Temperature Silicone RTV Adhesive Sealant

**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 260C

#### 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 to 260C

### 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 Coating Liquid 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 <sup>-5</sup>	
Volume Resistivity: 2.0 X 10 <sup>14</sup>		

**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  
Consistency: thick liquid

Specific Gravity: 1.12  
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

**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 for Import Applications

**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
- 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-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.



- 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

**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

### Conformal Coating RTV Typical Properties

**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

### Conformal Coating RTV

**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 Silicone RTV 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 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.



## 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	50
US-HC-12183	Heat Cure: 1 Part: Conformal Coating / Gel	51
US-VSD-3000	2 part Vibration & Shock dampening elastomer. 2 part.	52
US-VSD-12180	Low Dampening. 60 Shore 00, Silicone Gel. 2 part.	53
US-VSD-15180	Medium Dampening. 30 Shore 00, Silicone Gel. 2 part	54
US-VSD-18180	High Dampening, 2 Shore 00, Silicone Gel. 2 part	55
US-VSD-18240	Very High Dampening, <1 Shore 00, Silicone Gel. 2 part	56
US-VSD-15183	Very Low Specific Gravity Encapsulant. Used extensively for hand-held electronics. 2 part	57
US-SPG-18417	Repenetrable Gel for scientific & electronics probe entry applications. 2 part	58

## US-HC-456

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 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

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  $-40^{\circ}\text{C}$  to  $+260^{\circ}\text{C}$

**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  $150^{\circ}\text{C}$ : 5 minutes

Cure time at Room Temperature: 60-120mins.

#### Cured:

Tensile Strength, PSI:  $>300$

Elongation, %:  $>300$

Tear Strength, PPI: 25

Coefficient of Thermal Expansion:  $20 \times 10^{-5}$

**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:**  $-40^{\circ}\text{C}$  to  $+260^{\circ}\text{C}$

**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  $70^{\circ}\text{F}$ .

# US-VSD-12180

## Gels, Low Duro Silicone Rubber

**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

## Gels, Low Duro Silicone Rubber

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

## Gels, Low Duro Silicone Rubber

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

## Gels, Low Duro Silicone Rubber

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 Low Specific Gravity Encapsulant Gel

**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\\*](#)

	Part A	Part B
Uncured		
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 Gravity Encapsulant 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 ranges of -60°C to 240°C (-76°F to +464°F).

### Products

Product	Characteristics	Page
US-SCC-125	Heat Cure: 1 Part Silicone Conformal Coating. 125cps	60
US-SCC-230	Heat Cure: 1 Part Silicone Conformal Coating. 230cps	61
US-SCC-600	Heat Cure: 1 Part Silicone Conformal Coating. 600cps	62
US-SCC-900	Heat Cure: 1 Part Silicone Conformal Coating. 900cps	63
US-SCC-2500	UV / Dual Cure: 1 Part Silicone Conformal Coating. 2500cps	64
US-SCC-428-15879	UV / Dual Cure: 1 Part Silicone Conformal Coating. 400 - 800cps	65
US-SCC-628	UV / Dual Cure: 1 Part Silicone Conformal Coating. 6000 - 8000cps	66
US-SCC-19992 (was part number US-SCC-100)	1 Part RTV Conformal Coating. 100cps (not suitable for deep section cure)	67
US-SCC-600QC	1 Part RTV Quick Cure Silicone Conformal Coating 600cps (not suitable for deep section cure)	68
US-SCC-600SC	1 Part RTV Silicone Conformal Coating 600cps (not suitable for deep section cure)	69
US-SCC-100010	1 Part RTV Silicone Conformal Coating 1000cps Shore A 10 (not suitable for deep section cure)	70
US-SCC-100017	1 Part RTV Silicone Conformal Coating 1000cps Shore A 17 (not suitable for deep section cure)	71
US-SCC-10000	1 Part RTV Conformal Coating 10000cps (not suitable for deep section cure)	72
US-SCC-3040	1 Part RTV Conformal Coating 30000 - 40000cps (not suitable for deep section cure)	73

## 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

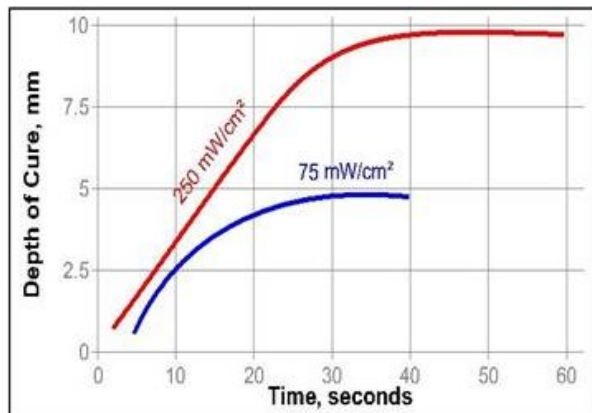
### Cured 24 Hours at Room Temperature

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

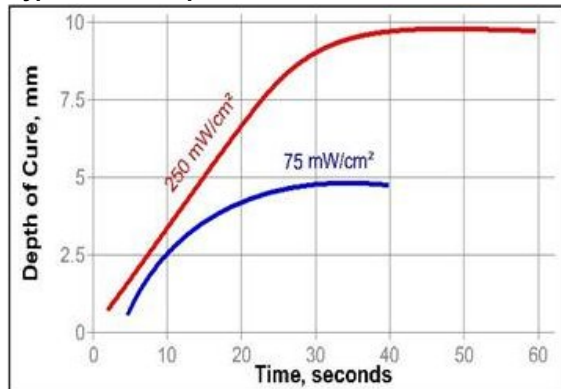
### Cured 24 Hours at Room Temperature

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

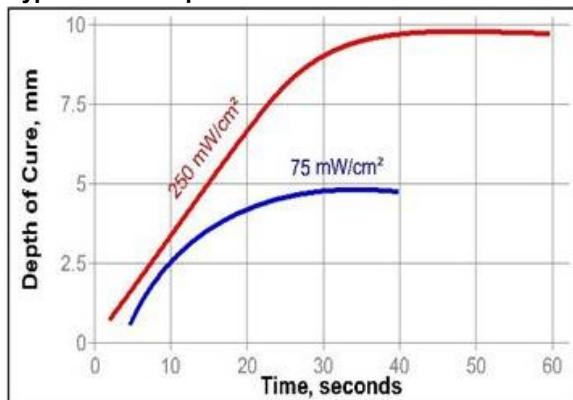
#### Cured 24 Hours at Room Temperature

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:  $4 \times 10^{15}$

**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-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**

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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-100017

### Conformal Coating RTV

**US-SCC-100017** 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

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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	Durometer, Shore A: 25
Elongation, %: 300	Dielectric Strength Kv/mm: 20
Peel Strength, PPI: 40	Dissipation Factor: .01
Dielectric Constant: 3.1	
Volume Resistivity: $4 \times 10^{15}$	

**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	
US-POT-57	2 part neutral cure adhesive, thixotropic paste, 60 minute deep section Room Temperature cures, 20,000 cps. black	
US-POT-453	Heat Cure, 1 Part Self Leveling Adhesive Sealant, 125cps	
US-POT-24333	Fast cure, 2 part variable mix pourable RTV potting	
US-POT-24339		

## 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
- Convenient 1:1 mix ratio
- Excellent unprimed adhesion to most plastics, metal and glass
- Fast deep section cure
- Temperature range -45°C to 260°C
- Neutral cure

### Product Applications

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

**Chemical cure system:** Tin cured alkoxy condensation cure system which is not poisonous 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	$5 \times 10^{15}$

**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
- Convenient 1:1 mix ratio
- Excellent unprimed adhesion to most plastics, metal and glass
- Fast deep section cure
- Temperature range -45°C to 260°C
- Neutral cure

### 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	$5 \times 10^{15}$

**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
- User defined variable 100:3-5 mix ratio
- Excellent unprimed adhesion to most plastics, metal and glass
- Fast deep section cure
- Temperature range -40°C to 204°C
- Neutral cure

### Product Applications

- Adhesive encapsulation
- Electronics potting
- Assembly line adhesive
- Thermal insulation, vibration & moisture isolation
- 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
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 x 10 <sup>14</sup>
Thermal Conductivity W/m <sup>2</sup> K	0.17		
Coefficient of Thermal Expansion cm/cm °C		20 x 10 <sup>-5</sup>	

**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.

## **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**

<b>Product</b>	<b>Characteristics</b>	<b>Page</b>
US-LD1	1 Part liquid silicone RTV	75

## US-LD1 / US-18B

### 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**

<b>Product</b>	<b>Characteristics</b>	<b>Page</b>
US-LP1	1 Part liquid silicone RTV	77

# 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**

<b>Product</b>	<b>Characteristics</b>	<b>Page</b>
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*



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 Grade Part Number	Price per Foot	Price per Metre	Heavy Duty Grade Part Number	Price per Foot	Price per Metre
1/4	6	-04	S-FS-M006-04	\$ 2.88	\$ 9.45	S-FSHD-M006-04-X	\$ 3.22	\$ 10.56
3/8	10	-06	S-FS-M010-06	\$ 3.14	\$ 10.30	S-FSHD-M010-06-X	\$ 3.51	\$ 11.51
1/2	13	-08	S-FS-M013-08	\$ 3.82	\$ 12.53	S-FSHD-M013-08-X	\$ 4.20	\$ 13.78
5/8	16	-10	S-FS-M016-10	\$ 4.17	\$ 13.68	S-FSHD-M016-10-X	\$ 4.67	\$ 15.32
3/4	19	-12	S-FS-M019-12	\$ 4.77	\$ 15.65	S-FSHD-M019-12-X	\$ 5.34	\$ 17.52
7/8	22	-14	S-FS-M022-14	\$ 5.65	\$ 18.53	S-FSHD-M022-14-X	\$ 6.33	\$ 20.76
1	25	-16	S-FS-M025-16	\$ 6.42	\$ 21.06	S-FSHD-M025-16-X	\$ 7.19	\$ 23.58
1 1/8	29	-18	S-FS-M029-18	\$ 7.25	\$ 23.78	S-FSHD-M029-18-X	\$ 8.12	\$ 26.63
1 1/4	32	-20	S-FS-M032-20	\$ 7.76	\$ 25.45	S-FSHD-M032-20-X	\$ 8.68	\$ 28.47
1 3/8	35	-22	S-FS-M035-22	\$ 7.81	\$ 25.62	S-FSHD-M035-22-X	\$ 8.75	\$ 28.70
1 1/2	38	-24	S-FS-M038-24	\$ 8.04	\$ 26.37	S-FSHD-M038-24-X	\$ 9.01	\$ 29.55
1 5/8	41	-26	S-FS-M041-26	\$ 8.17	\$ 26.80	S-FSHD-M041-26-X	\$ 9.14	\$ 29.98
1 3/4	44	-28	S-FS-M044-28	\$ 10.43	\$ 34.21	S-FSHD-M044-28-X	\$ 11.68	\$ 38.31
1 7/8	48	-30	S-FS-M048-30	\$ 11.50	\$ 37.72	S-FSHD-M048-30-X	\$ 13.63	\$ 44.71
2	51	-32	S-FS-M051-32	\$ 12.18	\$ 39.95	S-FSHD-M051-32-X	\$ 16.23	\$ 53.23
2 1/4	57	-36	S-FS-M057-36	\$ 14.49	\$ 47.53	S-FSHD-M057-36	\$ 18.67	\$ 61.24
2 1/2	64	-40	S-FS-M064-40	\$ 18.83	\$ 61.76	S-FSHD-M064-40	\$ 21.10	\$ 69.21
2 5/8	67	-42	S-FS-M067-42	\$ 21.45	\$ 70.36	S-FSHD-M067-42	\$ 23.87	\$ 78.29
2 3/4	70	-44	S-FS-M070-44	\$ 24.11	\$ 79.08	S-FSHD-M070-44	\$ 24.45	\$ 80.20
2 7/8	73	-46	S-FS-M073-46	\$ 25.91	\$ 84.98	S-FSHD-M073-46	\$ 29.24	\$ 95.91
3	76	-48	S-FS-M076-48	\$ 27.21	\$ 89.25	S-FSHD-M076-48	\$ 29.98	\$ 98.33
3 1/4	83	-52	S-FS-M083-52	\$ 29.14	\$ 95.58	S-FSHD-M083-52	\$ 30.17	\$ 98.96
3 1/2	89	-56	S-FS-M089-56	\$ 31.26	\$ 102.53	S-FSHD-M089-56	\$ 31.94	\$ 104.76
3 3/4	95	-60	S-FS-M095-60	\$ 32.34	\$ 106.08	S-FSHD-M095-60	\$ 32.63	\$ 107.03
4	102	-64	S-FS-M102-64	\$ 32.65	\$ 107.09	S-FSHD-M102-64	\$ 33.83	\$ 110.96
4 1/2	114	-72	S-FS-M114-72	\$ 44.24	\$ 145.11			
5	127	-80	S-FS-M127-80	\$ 47.92	\$ 157.18			

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.**

<b>High Temperature AS 1072 Aerospace / Marine Grade Firesleeve</b>					
<b>Nominal ID Inches / mm / Dash #</b>			<b>Aerospace / Marine Grade Part Number</b>	<b>Price per Foot</b>	<b>Price per Metre</b>
1/4	6	-04	S-AS1072-M006-04-X	\$ 3.54	\$ 11.61
3/8	10	-06	S-AS1072-M010-06-X	\$ 3.86	\$ 12.66
1/2	13	-08	S-AS1072-M013-08-X	\$ 4.62	\$ 15.15
5/8	16	-10	S-AS1072-M016-10-X	\$ 5.13	\$ 16.83
3/4	19	-12	S-AS1072-M019-12-X	\$ 5.87	\$ 19.25
7/8	22	-14	S-AS1072-M022-14-X	\$ 6.96	\$ 22.83
1	25	-16	S-AS1072-M025-16-X	\$ 7.90	\$ 25.91
1 1/8	29	-18	S-AS1072-M029-18-X	\$ 8.93	\$ 29.29
1 1/4	32	-20	S-AS1072-M032-20-X	\$ 9.55	\$ 31.32
1 3/8	35	-22	S-AS1072-M035-22-X	\$ 9.63	\$ 31.59
1 1/2	38	-24	S-AS1072-M038-24-X	\$ 9.90	\$ 32.47
1 5/8	41	-26	S-AS1072-M041-26-X	\$ 10.05	\$ 32.96
1 3/4	44	-28	S-AS1072-M044-28-X	\$ 12.85	\$ 42.15
1 7/8	48	-30	S-AS1072-M048-30-X	\$ 14.99	\$ 49.17
2	51	-32	S-AS1072-M051-32-X	\$ 17.85	\$ 58.55
2 1/4	57	-36	S-AS1072-M057-36	\$ 20.54	\$ 67.37
2 1/2	64	-40	S-AS1072-M064-40	\$ 23.21	\$ 76.13
2 5/8	67	-42	S-AS1072-M067-42	\$ 26.26	\$ 86.13
2 3/4	70	-44	S-AS1072-M070-44	\$ 26.89	\$ 88.20
2 7/8	73	-46	S-AS1072-M073-46	\$ 30.56	\$ 100.24
3	76	-48	S-AS1072-M076-48	\$ 32.39	\$ 106.24
3 1/4	83	-52	S-AS1072-M083-52	\$ 32.91	\$ 107.95
3 1/2	89	-56	S-AS1072-M089-56	\$ 35.13	\$ 115.23
3 3/4	95	-60	S-AS1072-M095-60	\$ 35.89	\$ 117.72
4	102	-64	S-AS1072-M102-64	\$ 37.21	\$ 122.05

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**

## 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	Price per Foot	Price per Metre
1/2	13	-08	S-FSVC-M013-08-X	1/2	\$ 14.56	\$ 47.76
3/4	19	-12	S-FSVC-M019-12-X	1/2	\$ 17.34	\$ 56.88
1	25	-16	S-FSVC-M025-16-X	5/8	\$ 20.29	\$ 66.55
1 1/4	32	-20	S-FSVC-M032-20-X	5/8	\$ 22.60	\$ 74.13
1 1/2	38	-24	S-FSVC-M038-24-X	3/4	\$ 24.83	\$ 81.44
1 3/4	44	-28	S-FSVC-M044-28-X	3/4	\$ 26.77	\$ 87.81
2	51	-32	S-FSVC-M051-32-X	3/4	\$ 29.21	\$ 95.81
2 1/4	57	-36	S-FSVC-M057-36-X	3/4	\$ 31.23	\$ 102.43
2 1/2	64	-40	S-FSVC-M064-40-X	3/4	\$ 33.49	\$ 109.85
2 3/4	70	-44	S-FSVC-M070-44-X	3/4	\$ 35.80	\$ 117.42
3	76	-48	S-FSVC-M076-48-X	3/4	\$ 37.94	\$ 124.44
3 1/4	83	-52	S-FSVC-M083-52-X	3/4	\$ 40.34	\$ 132.32
3 1/2	89	-56	S-FSVC-M089-56-X	3/4	\$ 42.29	\$ 138.71
3 3/4	95	-60	S-FSVC-M095-60-X	3/4	\$ 44.51	\$ 145.99
4	102	-64	S-FSVC-M102-64-X	1	\$ 48.37	\$ 158.65
4 1/4	108	-68	S-FSVC-M108-68-X	1	\$ 50.54	\$ 165.77
4 1/2	114	-72	S-FSVC-M114-72-X	1	\$ 52.94	\$ 173.64
4 3/4	121	-76	S-FSVC-M121-76-X	1	\$ 55.17	\$ 180.96
5	127	-80	S-FSVC-M127-80-X	1	\$ 57.54	\$ 188.73

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	Price per Foot	Price per Metre
5 1/4	133	-84	S-FSVC-M133-84-X	1.5	\$ 59.37	\$ 194.73
5 1/2	140	-88	S-FSVC-M140-88-X	1.5	\$ 61.66	\$ 202.25
5 3/4	146	-92	S-FSVC-M146-92-X	1.5	\$ 63.94	\$ 209.72
6	152	-96	S-FSVC-M152-96-X	1.5	\$ 66.11	\$ 216.84
6 1/4	159	-100	S-FSVC-M159-100-X	1.5	\$ 68.51	\$ 224.71
6 1/2	165	-104	S-FSVC-M165-104-X	1.5	\$ 70.74	\$ 232.03
6 3/4	171	-108	S-FSVC-M171-108-X	1.5	\$ 72.74	\$ 238.59
7	178	-112	S-FSVC-M178-112-X	1.5	\$ 74.97	\$ 245.90
7 1/4	184	-116	S-FSVC-M184-116-X	1.5	\$ 76.97	\$ 252.46
7 1/2	191	-120	S-FSVC-M191-120-X	1.5	\$ 79.54	\$ 260.89
7 3/4	197	-124	S-FSVC-M197-124-X	1.5	\$ 81.77	\$ 268.21
8	203	-128	S-FSVC-M203-128-X	2	\$ 83.69	\$ 274.50
8 1/4	210	-132	S-FSVC-M210-132-X	2	\$ 86.26	\$ 282.93
8 1/2	216	-136	S-FSVC-M216-136-X	2	\$ 88.43	\$ 290.05
8 3/4	222	-140	S-FSVC-M222-140-X	2	\$ 90.23	\$ 295.95
9	229	-144	S-FSVC-M229-144-X	2	\$ 92.57	\$ 303.63
9 1/4	235	-148	S-FSVC-M235-148-X	2	\$ 94.49	\$ 309.93
9 1/2	241	-152	S-FSVC-M241-152-X	2	\$ 97.20	\$ 318.82
9 3/4	248	-156	S-FSVC-M248-156-X	2	\$ 99.37	\$ 325.93
10	254	-160	S-FSVC-M254-160-X	2	\$101.66	\$ 333.45
10 1/4	260	-164	S-FSVC-M260-164-X	2	\$104.00	\$ 341.12
10 1/2	267	-168	S-FSVC-M267-168-X	2	\$ 105.60	\$ 346.37
10 3/4	273	-172	S-FSVC-M273-172-X	2	\$ 113.31	\$ 371.66
11	279	-176	S-FSVC-M279-176-X	2	\$ 115.66	\$ 379.36
11 1/4	286	-180	S-FSVC-M286-180-X	2	\$ 118.51	\$ 388.71
11 1/2	292	-184	S-FSVC-M292-184-X	2	\$ 122.37	\$ 401.37
11 3/4	298	-188	S-FSVC-M298-188-X	2	\$ 126.22	\$ 414.01
12	305	-192	S-FSVC-M305-192-X	1.5	\$ 129.41	\$ 424.46

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<sup>2</sup> 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	Price per Roll	Price per Foot	Price per Metre
1	25	T-SR-FGT-M025-16-X	\$ 237.00	\$ 4.74	\$ 15.49
2	51	T-SR-FGT-M051-32-X	\$ 391.00	\$ 7.82	\$ 25.57
3	76	T-SR-FGT-M076-48-X	\$ 491.00	\$ 9.82	\$ 32.11
4	102	T-SR-FGT-M102-64-X	\$ 649.00	\$ 12.98	\$ 42.57
5	127	T-SR-FGT-M127-80-X	\$ 798.00	\$ 15.87	\$ 52.05

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 1/2" through 40" wide is made from our heaviest grade 98 oz/yd<sup>2</sup> 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			Price per foot	Price per Metre
T-SR-FGHD-M013-08	1/2	13	-08	\$ 2.27	\$ 7.45
T-SR-FGHD-M019-12	3/4	19	-12	\$ 2.77	\$ 9.09
T-SR-FGHD-M025-16	1	25	-16	\$ 3.37	\$ 11.05
T-SR-FGHD-M032-20	1 1/4	32	-20	\$ 3.89	\$ 12.76
T-SR-FGHD-M038-24	1 1/2	38	-24	\$ 4.42	\$ 14.50
T-SR-FGHD-M044-28	1 3/4	44	-28	\$ 4.81	\$ 15.78
T-SR-FGHD-M051-32	2	51	-32	\$ 5.01	\$ 16.43
T-SR-FGHD-M057-36	2 1/4	57	-36	\$ 5.58	\$ 18.30
T-SR-FGHD-M064-40	2 1/2	64	-40	\$ 6.13	\$ 20.11
T-SR-FGHD-M070-44	2 3/4	70	-44	\$ 6.67	\$ 21.88
T-SR-FGHD-M076-48	3	76	-48	\$ 6.91	\$ 22.66
T-SR-FGHD-M083-52	3 1/4	83	-52	\$ 7.81	\$ 25.62
T-SR-FGHD-M089-56	3 1/2	89	-56	\$ 8.68	\$ 28.47
T-SR-FGHD-M095-60	3 3/4	95	-60	\$ 9.44	\$ 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 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 = 1/4" / .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**

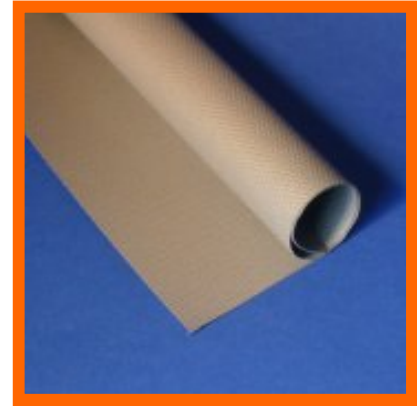
- **Heavy Duty Coated One Side / Medium Duty Coated One Side**
- **Light & Medium Duty Coated Two Sides**



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.

<b>High Temperature Silicone Rubber Coated Fiberglass Fabric Molten Metal SplashGuard™ / Fire Blanket / Welding Splatter Blanket</b>					
<b>Part Number</b>	<b>Weight Linear foot / oz/yd<sup>2</sup></b>	<b>Roll Width In / cm</b>	<b>Thickness In / mm</b>	<b>Price per Yard</b>	<b>Price per Metre</b>
<b>1 side coated fabrics:</b>					
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
<b>2 side coated fabrics:</b>					
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. McDonnell 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
<b>Mil-I-46852 / AA59163 Tapes: Type I and Type II</b>				
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
<b>Mil-I-22444 Tapes: Type I</b>				
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 fiberglass 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	Price Per Foot	Price Per Metre
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	Price per Foot	Price per Metre
1/2	13	-08	S-FSVC-M013-08-X	1/2	\$ 14.56	\$ 47.76
3/4	19	-12	S-FSVC-M019-12-X	1/2	\$ 17.34	\$ 56.88
1	25	-16	S-FSVC-M025-16-X	5/8	\$ 20.29	\$ 66.55
1 1/4	32	-20	S-FSVC-M032-20-X	5/8	\$ 22.60	\$ 74.13
1 1/2	38	-24	S-FSVC-M038-24-X	3/4	\$ 24.83	\$ 81.44
1 3/4	44	-28	S-FSVC-M044-28-X	3/4	\$ 26.77	\$ 87.81
2	51	-32	S-FSVC-M051-32-X	3/4	\$ 29.21	\$ 95.81
2 1/4	57	-36	S-FSVC-M057-36-X	3/4	\$ 31.23	\$ 102.43
2 1/2	64	-40	S-FSVC-M064-40-X	3/4	\$ 33.49	\$ 109.85
2 3/4	70	-44	S-FSVC-M070-44-X	3/4	\$ 35.80	\$ 117.42
3	76	-48	S-FSVC-M076-48-X	3/4	\$ 37.94	\$ 124.44
3 1/4	83	-52	S-FSVC-M083-52-X	3/4	\$ 40.34	\$ 132.32
3 1/2	89	-56	S-FSVC-M089-56-X	3/4	\$ 42.29	\$ 138.71
3 3/4	95	-60	S-FSVC-M095-60-X	3/4	\$ 44.51	\$ 145.99
4	102	-64	S-FSVC-M102-64-X	1	\$ 48.37	\$ 158.65
4 1/4	108	-68	S-FSVC-M108-68-X	1	\$ 50.54	\$ 165.77
4 1/2	114	-72	S-FSVC-M114-72-X	1	\$ 52.94	\$ 173.64
4 3/4	121	-76	S-FSVC-M121-76-X	1	\$ 55.17	\$ 180.96
5	127	-80	S-FSVC-M127-80-X	1	\$ 57.54	\$ 188.73

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

<b>High Temperature, Heat &amp; Flame Resistant Silicone Rubber Tubing</b>				
<b>Part Number</b>	<b>Inside Diameter in / mm</b>	<b>Wall Thickness in / mm</b>	<b>Coiled Length ft / m</b>	<b>Price per Coil</b>
SR-SRT-ID104-M260-W04-10-R	.104 / 2.60	.040 / 1.00	100 / 30.48	\$ 152.67
SR-SRT-ID110-M280-W04-10-R	.110 / 2.80	.040 / 1.00	100 / 30.48	\$ 156.70
SR-SRT-ID130-M330-W04-10-R	.130 / 3.30	.040 / 1.00	100 / 30.48	\$ 161.00
SR-SRT-ID149-M380-W04-10-R	.149 / 3.80	.040 / 1.00	100 / 30.48	\$ 164.33
SR-SRT-ID163-M410-W04-10-R	.163 / 4.10	.040 / 1.00	100 / 30.48	\$ 171.67
SR-SRT-ID181-M460-W04-10-R	.181 / 4.60	.040 / 1.00	100 / 30.48	\$ 183.67
SR-SRT-ID224-M570-W04-10-R	.224 / 5.70	.040 / 1.00	100 / 30.48	\$ 194.67
SR-SRT-ID239-M610-W04-10-R	.239 / 6.10	.040 / 1.00	100 / 30.48	\$ 202.00
SR-SRT-ID302-M770-W06-15-R	.302 / 7.70	.060 / 1.50	100 / 30.48	\$ 229.00
SR-SRT-ID330-M840-W06-15-R	.330 / 8.40	.060 / 1.50	100 / 30.48	\$ 240.33
SR-SRT-ID363-M920-W06-15-R	.363 / 9.20	.060 / 1.50	100 / 30.48	\$ 244.33
SR-SRT-ID380-M970-W06-15-R	.380 / 9.70	.060 / 1.50	100 / 30.48	\$ 252.13
SR-SRT-ID420-M1060-W06-15-R	.420 / 10.60	.060 / 1.50	100 / 30.48	\$ 266.67
SR-SRT-ID460-M1170-W06-15-R	.460 / 11.70	.060 / 1.50	100 / 30.48	\$ 282.33
SR-SRT-ID485-M1230-W06-15-R	.485 / 12.30	.060 / 1.50	50 / 15.24	\$ 143.67
SR-SRT-ID535-M1360-W06-15-R	.535 / 13.60	.060 / 1.50	50 / 15.24	\$ 183.67
SR-SRT-ID609-M1550-W06-15-R	.609 / 15.50	.060 / 1.50	50 / 15.24	\$ 207.03
SR-SRT-ID727-M1850-W06-15-R	.727 / 18.50	.060 / 1.50	50 / 15.24	\$ 236.67
SR-SRT-ID853-M2167-W06-15-R	.853 / 21.67	.060 / 1.50	50 / 15.24	\$ 366.67
SR-SRT-ID915-M2334-W06-15-R	.915 / 23.34	.060 / 1.50	50 / 15.24	\$ 381.33
SR-SRT-ID975-M2477-W06-15-R	.975 / 24.77	.060 / 1.50	50 / 15.24	\$ 400.33

**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).

<b>High Temperature &amp; Heat Resistant Silicone Rubber Tapered Plugs</b> <b>Small Size: 1.6mm x .4mm x 15.9mm to 12.7mm x 7.9mm x 25.4mm</b> (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	Price
SR-TP-1.6-0.4-15.9	.062 / 1.6	.016 / 0.4	.625 / 15.9	1000	\$ 62.20
SR-TP-2.0-0.5-19.1	.078 / 2.0	.020 / 0.5	.750 / 19.1	1000	\$ 70.67
SR-TP-3.2-0.8-15.9	.125 / 3.2	.031 / 0.8	.625 / 15.9	1000	\$ 57.97
SR-TP-3.2-1.6-15.9	.125 / 3.2	.062 / 1.6	.625 / 15.9	1000	\$ 49.75
SR-TP-4.7-1.6-15.9	.187 / 4.7	.062 / 1.6	.625 / 15.9	1000	\$ 59.38
SR-TP-4.7-1.6-19.1	.187 / 4.7	.062 / 1.6	.750 / 19.1	1000	\$ 66.42
SR-TP-5.0-1.2-27.9	.197 / 5.0	.049 / 1.2	1.100 / 27.9	1000	\$ 85.53
SR-TP-5.1-1.6-19.1	.200 / 5.1	.062 / 1.6	0.750 / 19.1	1000	\$ 73.53
SR-TP-6.3-3.2-19.1	.250 / 6.3	.125 / 3.2	0.750 / 19.1	1000	\$ 86.23
SR-TP-6.3-3.2-25.4	.250 / 6.3	.125 / 3.2	1.000 / 25.4	1000	\$ 106.05
SR-TP-7.1-0.4-25.0	.279 / 7.1	.016 / 0.4	0.984 / 25.0	1000	\$ 275.67
SR-TP-8.7-4.7-15.9	.343 / 8.7	.187 / 4.7	0.625 / 15.9	1000	\$ 108.85
SR-TP-8.7-4.7-25.4	.343 / 8.7	.187 / 4.7	1.000 / 25.4	1000	\$ 141.37
SR-TP-9.5-3.2-31.8	.375 / 9.5	.125 / 3.2	1.250 / 31.8	1000	\$ 127.22
SR-TP-9.5-6.3-19.1	.375 / 9.5	.250 / 6.3	0.750 / 19.1	1000	\$ 175.30
SR-TP-11.1-6.3-25.4	.437 / 11.1	.250 / 6.3	1.000 / 25.4	1000	\$ 226.20
SR-TP-12.0-9.0-18.0	.472 / 12.0	.354 / 9.0	0.708 / 18.0	500	\$ 152.63
SR-TP-12.7-3.2-50.8	.500 / 12.7	.125 / 3.2	2.000 / 50.8	500	\$ 182.27
SR-TP-12.7-7.9-25.4	.500 / 12.7	.312 / 7.9	1.000 / 25.4	200	\$ 66.73
SR-TP-13.67-7.1-25	.538 / 13.67	.279 / 7.14	.984 / 25.0	500	\$ 263.63
SR-TP-15.0-10.0-25.4	.590 / 15.0	.393 / 10.0	1.000 / 25.4	100	\$ 41.00
SR-TP-15.9-11.1-20.7	.625 / 15.9	.437 / 11.1	.813 / 20.7	200	\$ 84.83
SR-TP-17.0-13.0-25.4	.669 / 17.0	.510 / 13.0	1.000 / 25.4	200	\$ 104.60

- 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	Price
SR-TP-19.0-14.0-25.4	.748 / 19.0	.550 / 14.0	1.000 / 25.4	100	\$ 113.65
SR-TP-20.0-16.0-25.4	.787 / 20.0	.630 / 16.0	1.000 / 25.4	100	\$ 79.65
SR-TP-20.24-13.7-25.0	.797 / 20.24	.538 / 13.7	.984 / 25.0	200	\$ 257.30
SR-TP-23.8-18.0-25.4	.938 / 23.8	.708 / 18.0	1.000 / 25.4	100	\$ 87.08
SR-TP-24.0-15.9-25.4	.945 / 24.0	.625 / 15.9	1.000 / 25.4	100	\$ 76.65
SR-TP-24.0-19.2-19.1	.945 / 24.0	.750 / 19.2	.750 / 19.1	100	\$ 77.75
SR-TP-26.0-20.0-25.4	1.024 / 26.0	.787 / 20.0	1.000 / 25.4	100	\$ 101.50
SR-TP-27.0-23.0-25.4	1.063 / 27.0	.905 / 23.0	1.000 / 25.4	100	\$ 115.50
SR-TP-28.0-24.0-25.4	1.102 / 28.0	.945 / 24.0	1.000 / 25.4	100	\$ 126.10
SR-TP-30.0-27.8-25.4	1.181 / 30.0	1.094 / 27.8	1.000 / 25.4	50	\$ 108.45
SR-TP-32.0-26.0-25.4	1.260 / 32.0	1.024 / 26.0	1.000 / 25.4	100	\$ 156.93
SR-TP-34.0-27.0-25.4	1.338 / 34.0	1.063 / 27.0	1.000 / 25.4	100	\$ 172.48
SR-TP-37.0-30.0-25.4	1.456 / 37.0	1.180 / 30.0	1.000 / 25.4	50	\$ 108.85
SR-TP-38.7-22.9-63.5	1.525 / 38.7	.900 / 22.9	2.500 / 63.5	100	\$ 525.63
SR-TP-39.0-31.0-25.4	1.535 / 39.0	1.220 / 31.0	1.000 / 25.4	50	\$ 116.63
SR-TP-41.0-33.0-25.4	1.614 / 41.0	1.300 / 33.0	1.000 / 25.4	50	\$ 122.28
SR-TP-43.0-36.0-25.4	1.693 / 43.0	1.417 / 36.0	1.000 / 25.4	50	\$ 134.30
SR-TP-45.0-37.0-25.4	1.772 / 45.0	1.457 / 37.0	1.000 / 25.4	50	\$ 154.10
SR-TP-46.0-38.0-25.4	1.810 / 46.0	1.496 / 38.0	1.000 / 25.4	50	\$ 155.50
SR-TP-50.0-42.0-25.4	1.968 / 50.0	1.653 / 42.0	1.000 / 25.4	25	\$ 97.20
SR-TP-53.0-45.0-25.4	2.086 / 53.0	1.770 / 45.0	1.000 / 25.4	25	\$ 102.50
SR-TP-56.0-48.0-25.4	2.205 / 56.0	1.890 / 48.0	1.000 / 25.4	25	\$ 119.80
SR-TP-63.0-50.0-25.4	2.480 / 63.0	1.968 / 50.0	1.000 / 25.4	25	\$ 134.30
SR-TP-64.0-54.0-25.4	2.520 / 64.0	2.125 / 54.0	1.000 / 25.4	25	\$ 144.90
SR-TP-68.0-58.0-25.4	2.677 / 68.0	2.283 / 58.0	1.000 / 25.4	25	\$ 162.58
SR-TP-75.0-62.0-35.0	2.953 / 75.0	2.440 / 62.0	1.377 / 35.0	25	\$ 236.80
SR-TP-90.0-75.0-39.0	3.543 / 90.0	2.953 / 75.0	1.535 / 39.0	25	\$ 371.10
SR-TP-103.0-83.0-39.0	4.055 / 103.0	3.267 / 83.0	1.535 / 39.0	20	\$ 606.55
SR-TP-127.0-90.0-50.0	5.000 / 127.0	3.543 / 90.0	1.968 / 50.0	10	\$ 367.55

- 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).

<b>High Temperature, Heat &amp; Flame Resistant Silicone Rubber Hollow Tapered Plugs</b> 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	Price each
SR-HTP-27.0-20.3-25.4	1.061 / 27.0	.797 / 20.3	1.000 / 25.4	200	\$ 343.05
SR-HTP-30.0-27.8-25.4	1.181 / 30.0	1.094 / 27.8	1.000 / 25.4	50	\$ 73.91
SR-HTP-37.0-30.0-25.4	1.456 / 37.0	1.180 / 30.0	1.000 / 25.4	50	\$ 88.35
SR-HTP-39.0-31.0-25.4	1.535 / 39.0	1.220 / 31.0	1.000 / 25.4	50	\$ 96.83
SR-HTP-41.0-33.0-25.4	1.614 / 41.0	1.300 / 33.0	1.000 / 25.4	50	\$ 106.03
SR-HTP-43.0-36.0-25.4	1.693 / 43.0	1.417 / 36.0	1.000 / 25.4	50	\$ 113.80
SR-HTP-45.0-37.0-25.4	1.772 / 45.0	1.457 / 37.0	1.000 / 25.4	50	\$ 127.10
SR-HTP-46.0-38.0-25.4	1.810 / 46.0	1.496 / 38.0	1.000 / 25.4	50	\$ 126.53
SR-HTP-50.0-42.0-25.4	1.968 / 50.0	1.653 / 42.0	1.000 / 25.4	25	\$ 69.98
SR-HTP-53.0-45.0-25.4	2.086 / 53.0	1.770 / 45.0	1.000 / 25.4	25	\$ 77.75
SR-HTP-56.0-48.0-25.4	2.203 / 56.0	1.890 / 48.0	1.000 / 25.4	25	\$ 91.18
SR-HTP-63.0-50.0-25.4	2.480 / 63.0	1.968 / 50.0	1.000 / 25.4	25	\$ 113.10
SR-HTP-64.0-54.0-25.4	2.520 / 64.0	2.125 / 54.0	1.000 / 25.4	25	\$ 120.18
SR-HTP-68.0-58.0-25.4	2.677 / 68.0	2.283 / 58.0	1.000 / 25.4	25	\$ 134.30
SR-HTP-75.0-62.0-35.0	2.953 / 75.0	2.440 / 62.0	1.377 / 35.0	25	\$ 201.45
SR-HTP-90.0-75.0-39.0	3.543 / 90.0	2.953 / 75.0	1.535 / 39.0	25	\$ 272.13
SR-HTP-103.0-83.0-39.0	4.055 / 103.0	3.267 / 83.0	1.535 / 39.0	20	\$ 367.55
SR-HTP-127.0-90.0-50.0	5.000 / 127.0	3.543 / 90.0	1.968 / 50.0	10	\$ 281.33

- For the same size plug in EPDM rubber, subtract 10% from pricing. Change prefix from "SR-HTP" to "ER-HTP"

## Standard Terms and Conditions

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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 fee. Accounts sent to the company's legal counsel for collection or litigation may be assessed an additional \$250.00 legal proceedings fee.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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: \_\_\_\_\_

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\_\_\_\_\_

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 #)

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Trade Credit References (name/address/contact information/phone/fax)

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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