

## **AMSTEP AP7175**

### **LOW PROFILE – WATERBORNE EPOXY ANTI-SLIP FLOOR AND DECK COATING**

#### **DESCRIPTION**

**AMSTEP AP7175** is a two component low profile non-slip floor and deck coating formulated with a fine texture finish that is a durable, easy to clean and chemically resistant.

**AMSTEP AP7175** is suitable for recreational, marine and industrial environments. Its low profile is easy to apply and adheres to metal, concrete and wood surfaces. It is fire retardant when dry and has excellent chemical resistance to oil, gasoline, acids, caustics, hydraulic fluids and most solvents

#### **SURFACE PREPARATION**

**AMSTEP AP7175** may be applied to only clean surfaces. Remove old loose and flaking paint, rust, loose debris by mechanical means. Remove oil, grease, dirt, wax, etc. with a water-based cleaner/degreaser. Metal surfaces should be roughened or grit-blasted to SA 2.5 (near white metal) or SSPC-SP10. Where grit-blasting is not feasible power tool cleaning utilizing power sanders fitted with #16 grit aluminum oxide sanding discs can produce a sufficiently clean surface. Metal surfaces should be primed with **AMSTEP Metal Primer**.

Concrete and Wood should be primed using **AMSTEP Surface Primer** to seal the surface. New Concrete surfaces should be allowed to cure for 30 days. Concrete surfaces may be dry to damp but no standing water.

#### **PROPERTIES**

##### **VOC**

- 0.5 lbs per gallon  
( 60 grams/ liter )

##### **Volume Solids**

- 62%

##### **Dry Time for Light Traffic**

- 24 hour @ 70°F (21°C)

##### **Dry Through for Heavy Traffic**

- 72 hours @ 70°F (21°C)

##### **Estimated Coverage**

- 120 sq.ft./gal. – spray
- 90 sq.ft./gal. – roller

##### **Weight per Gallon**

- 12 lbs./gal.

##### **Flash point**

- 102°F (39°C) -CC

##### **Coefficient of Friction**

- Dry – 0.88
- Wet – 0.85

##### **Packaging**

- 1 Gal Kits

##### **Standard Colors**

- Black, Gray, Tile Red  
& Safety Yellow

## APPLICATION

1. Mixing should be done with a mechanical mixer such as a pneumatic drill motor with a Jiffy mixing blade. Pre-mix the base component for several minutes making sure all material is lifted off the bottom and uniformly mixed. Pour entire contents of hardener can into base material. Mix thoroughly as above for 3-5 minutes until contents are a uniform color. A one gallon kit has a working pot-life of about 45 minutes at 70°F. Pot-life increases at lower temperatures and decreases at higher temperatures.
2. **AMSTEP AP7175** can be applied at surface temperatures between 50°F and 120°F. Application below 50°F is not recommended as material may not dry properly.
3. **AMSTEP AP7175** can be applied by roller or spray equipment.

## ROLLER

The best anti-slip characteristics are obtained when the product is rolled. Do not thin. Use a smooth napless solvent resistant roller on smooth even surfaces. On irregular surfaces use a bristle core roller or short nap roller.

1. Pour a "strip" of **AMSTEP AP7175** on the surface approximately 2' long and 6" wide.
2. Roll in one direction only by pulling material toward you in slow straight strokes.

Use a modest amount of downward pressure. It is important that the rolled profile expose the maximum amount of non-slip aggregate. If aggregate is not properly exposed, the coating may become slippery when wet. Do not over-roll or press down too heavily. Make sure that coating is even without any thick puddles. If applied too heavily the coating may not cure properly. Drying time will vary with temperature. Protect exterior applications from rain for at least 24 hours. For full

cure, protect application from extended exposure to water, oil and chemicals for 5 to 7 days.

## SPRAY

Sprayed applications will result in a uniform appearance with good non-slip characteristics. **AMSTEP AP7175** may be sprayed with spray equipment using a ¼ inch opening spray tip. To adjust spraying material may be thinned with 1 to 3 pints of water as needed to adjust spray. Caution, excessive thinning could result in grit not remaining properly in suspension. Various sprayers are available for grit containing coatings such as mastic type spray equipment. Consult with your equipment manufacturer. An example set-up is as follows:

A 5-gallon bottom outlet pressure tank equipped with a double regulator and an air driven agitator, and 1" I.D. outlet pipe. 25 feet of 3/8" air hose with 3/8" female connectors at each end. 25 feet of 3/4" material hose with 3/4" female connectors at each end. A Binks Model 7E2 spray gun equipped with 1/4" (#45) fluid nozzle and a 1/4" internal air cap or a Binks Model 52-2012 (4 foot) pole gun equipped with the same fluid nozzle and air nozzle. Minimum air supply required is 20 CFM at 90 lbs. pressure. Recommended pressure is 15-20 psi on material and 20-25 psi on atomization. Always keep atomization air pressure higher than pot pressure. Keep agitator running slowly. Good coverage and film thickness will be obtained working at 18" or 24" distance from surface. Overlap strokes about 50%. Make sure of wet application. Very little abrasive rebound will be noticed at 15 psi; however, it will be more noticeable at higher pressures.

## Surface Maintenance

**AMSTEP AP7175** should be kept clean to ensure that its non-slip safety aspect is maintained. Clean with an all-purpose cleaner/degreaser. Scrub the anti-slip surface with a thick bristled brush or floor machine. Rinse with clean water and let dry. **AMSTEP AP7175** is extremely durable, however, frequently traveled areas may require occasional touch up.

### CAUTION

Read Material Safety Data Sheet before using this material.

In case of eye contact, flush thoroughly with plenty of water. If swallowed accidentally, do not induce vomiting. Seek medical attention immediately.

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