

## **AMSTEP AP2500**

### **HIGH PROFILE 100% SOLIDS EPOXY ANTI-SLIP FLOOR AND DECK COATING**

#### **DESCRIPTION**

**AMSTEP AP2500** is a two-component zero V.O.C. (volatile organic content), fast curing epoxy anti-slip floor and deck coating engineered for slippery areas and used to resist heavy rolling and pedestrian traffic.

**AMSTEP AP2500** is suitable for marine and industrial environments while being easy to apply. Its low odor characteristic makes it suitable for odor sensitive applications such as wineries, food processing facilities, hospitals and confined areas. It adheres to metal, concrete and wood surfaces.

**AMSTEP AP2500** is fire retardant when dry. It has excellent chemical resistance to oil, gasoline, acids, caustics, hydraulic fluids and most solvents.

#### **SURFACE PREPARATION**

**AMSTEP AP2500** must be applied to only clean dry 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.

#### **PROPERTIES**

##### **VOC**

- 0 lbs per gallon  
( 0 grams/ liter )

##### **Volume Solids**

- 100%

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

- 12 hour @ 70°F (21°C)
- 36-48 hour @ 35°F (2°C)

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

- 24 hours @ 70°F (21°C)
- 72 hours @ 35°F (2°C)

##### **Estimated Coverage**

- 60 sq.ft./gal. – spray
- 40 sq.ft./gal. – trowel
- 20-35 sq.ft./gal. – roller

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

- 16 lbs./gal.

##### **Flash point**

- >200°F (93.3°C) -CC

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

- Dry – 1.1
- Wet – 1.0

##### **Packaging**

- 1 or 5 Gallon Cans

##### **Standard Colors**

- Dark Gray, Medium Gray  
Black, Tile Red & 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 and a 5 gallon pail is about 30 minutes at 70°F, pot-life increases at lower temperatures and decreases at higher temperatures.
2. **AMSTEP AP2500** can be applied at surface temperatures between 40°F and 120°F. Application below 40°F is not recommended as material may become difficult to apply.
3. **AMSTEP AP2500** can be applied by roller, trowel 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.

1. Pour a "strip" of **AMSTEP AP2500** 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 12 to 24 hours. For full cure, protect application from extended exposure to water, oil and chemicals for 4 days.

## SPRAY

Sprayed applications will result in a uniform appearance with good non-slip characteristics. **AMSTEP AP2500** 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 xylene per 5 gallons of material. This will increase the V.O.C. 20 grams per liter for each pint of solvent. Care must

be taken not to excessively thin material or exceed local VOC regulations when thinning. Also, 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.

## TROWEL

1. **AMSTEP AP2500** may be applied with a smooth trowel such as a flexible plasterer's finishing trowel. Use a trowel about 4 by 12 inches.
2. Pour a "strip" of **AMSTEP AP2500** on the surface approximately 2' long and 6" wide.
3. Hold the trowel at a 45° angle to the surface and spread with a full motion. Reverse the angle of the trowel for an opposite stroke. Pull the material toward you. To cover corners, etc. pull straight strokes using material on the trowel.

## Surface Maintenance

**AMSTEP AP2500** 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 AP2500** is extremely durable, however, frequently traveled areas may require occasional touch up.

### CAUTION

**Read Material Safety Data Sheet before using this material.**

**Use only with adequate cross ventilation. Keep away from extreme heat, sparks and open flame.**

**Avoid prolonged breathing of vapors. For dizziness, seek fresh air. Toxic material. Avoid contact with skin. Use gloves, goggles and coveralls. In case of spillage on clothing, change clothing to prevent prolonged contact with skin. Wash contaminated clothing before reuse. Discard contaminated shoes. In case of accidental contact with skin, wash immediately with soap and water. In case of eye contact, flush thoroughly with plenty of water and call physician. If swallowed accidentally, do not induce vomiting. Seek medical attention immediately.**

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