

AMSTEP AP250

HIGH PROFILE – EPOXY BASED ANTI-SLIP FLOOR AND DECK COATING

DESCRIPTION

AMSTEP AP250 is a two-component, general purpose, vehicular grade, epoxy anti-slip floor and deck coating engineered for slippery areas and used to resist rolling vehicular and pedestrian traffic.

AMSTEP AP250 is suitable for marine and industrial environments while being easy to apply. It adheres to metal, concrete and wood surfaces.

AMSTEP AP250 is fire retardant when dry. It has excellent chemical resistance to oil, gasoline, acids, caustics, hydraulic fluids and most solvents.

SURFACE PREPARATION

AMSTEP AP250 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 Porous Surface Primer** to seal the surface. New Concrete surfaces should be allowed to cure for 30 days.

PROPERTIES

VOC

- 2.07 lbs per gallon
(248 grams/ liter)

Volume Solids

- 70%

Dry Time for Light Traffic

- 12 hour @ 70°F (21°C)

Dry Time for Heavy Traffic

- 48 hours @ 70°F (21°C)

Estimated Coverage

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

Weight per Gallon

- 15.8 lbs./gal.

Flash point

- 81°F (27°C) -CC

Coefficient of Friction

- Dry – 1.05
- Wet – 1.05

Packaging

- 1 or 5 Gallon Cans

Standard Colors

- 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. The working pot-life is about 4 hours at 70°F. The pot-life increases at lower temperatures and decreases at higher temperatures.
2. **AMSTEP AP250** can be applied at surface temperatures between 50°F and 130°F. Application below 50°F is not recommended as curing time will be adversely slowed.
3. **AMSTEP AP250** 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 AP250** 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 5 to 7 days.

SPRAY

Sprayed applications will result in a uniform appearance with good non-slip characteristics. **AMSTEP AP250** 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 AP250** 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 AP250** 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 AP250 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 AP250** is extremely durable, however, frequently traveled areas may require occasional touch up.

CAUTION

Read Material Safety Data Sheet before using this material.

Contains Solvent. 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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