

Anti-Slip Floor and Deck Coating

Technical Bulletin # 2000

Product Description

AS-75 is a single component elastomeric acrylic anti-slip floor and deck coating designed for pedestrian traffic. This anti-slip safety coating is easy to apply, dries quickly and offers optimum adhesion to asphalt, concrete, wood, and metal surfaces with the appropriate primer. AS-75 is a water-based coating, so clean up is fast and inexpensive. AS-75 can be used straight out of the can as needed and then resealed for future use.

Surface Preparation**CONCRETE**

Remove oil, grease, dirt, wax, etc., by dissolving with a commercial grade cleaner/degreaser then flush the area thoroughly with clean water and allow it to dry. Remove all paint films, laitance, and loose concrete by scarification or shot blasting. Patch any holes or significant defects with AS-5000 Epoxy Patching compound. Smooth or glazed surfaces should be roughened and new concrete should cure at least 30 days with good ventilation prior to application. Form release agents, hardeners, sealer, etc... will interfere with adhesion and must be removed. Prime the surface with PS-100 WB Water-based primer.

ASPHALT

Sweep to remove all dirt and other loose contaminants. Remove oil, grease, dirt, etc. by dissolving with a commercial grade cleaner/degreaser then flush thoroughly with clean water and allow it to dry. Any loose or cracked asphalt should be repaired. Prime the surface with AP-100 Acrylic Primer.

METAL

All surfaces must be clean, dry and free of surface contamination. Remove all deposits of oil and grease using Solvent Cleaning method SP-1. All previous coating, rust and mill scale should be removed and the surface abraded to a Commercial Grade SP-6. Blasted surfaces should be primed immediately with MS-5C Industrial Primer.

WOOD/FIBERGLASS

A clean sound surface is required. Remove any dirt or oils from the surfaces with a commercial cleaner/degreaser and allow the surface to dry. Follow with sanding to remove loose or deteriorated surface and to obtain the proper surface profile. For wood prime the surface with PS-100 WB Water-based Primer. For fiberglass use the MS-5C Industrial Primer for the best adhesion.

Application

1. AS-75 is designed to be applied over a primer or sealer.
2. Thoroughly mix contents, preferably with a mechanical mixer using a Jiffy® mixing blade, until mixed material assumes a uniform color and appearance.
3. Application is not recommended when the surface temperature is above 130 F or below 50 F. Applications below 50F will increase the cure time substantially.

Application Techniques**ROLLER** (Superior anti-slip characteristics)

Rolled applications provide the most aggressive anti-slip characteristics with an irregular, ridged profile.

1. Use a bristle roller available from American Safety Technologies, Inc.
2. Pour a ribbon of AS-75 on the surface approximately 4' long by 6" wide. Roll material in one direction only, in slow straight strokes pulling material toward you with a moderate amount of pressure until a uniform thickness is achieved. Be careful not to over-roll too many times and avoid applying the material to heavy Material applied too thickly may not cure properly.
3. Work small sections at a time and make the final pass with the roller in one direction to give an even texture and to help eliminate lap marks. Rollers should be washed or changed after 1 to 1 ½ hours of use. Light colors will hide contrasting colors better if applied in 2 coats. For second coat, use bristle roller; allow minimum of 4 hours between coats.
4. Higher temperatures will shorten drying time, and conversely, lower temperatures and high relative humidity will lengthen drying time. For exterior applications apply only when temperature is at least 50 F (10 C) and rising. Do not apply if rain is in the forecast. Dry time will vary with humidity.

SPRAY (Excellent anti-slip characteristics)

Sprayed applications will result in a uniform appearance with good anti-slip characteristics.

1. AS-75 should not be thinned. Thinning could result in grit not remaining properly in suspension.
2. Specialized mastic type spray equipment is required. A recommended set-up is as follows:
 - a. A 5-gallon bottom outlet pressure tank equipped with a double regulator and an air driven agitator, and 1" I.D. outlet pipe.
 - b. 25 feet of 3/8" air hose with 3/8" female connectors at each end.
 - c. 25 feet of 3/4" material hose with 3/4" female connectors at each end.
 - d. A Binks Model 7E2 spray gun equipped with 1/4" (#45) fluid nozzle and a 1/4" internal air

ITW POLYMER TECHNOLOGIES

130 Commerce Drive • Montgomeryville, PA 18936 • 215-855-8450 • Fax 215-855-4688 • www.astantislip.com

cap or a Binks Model 52-2012 (4 foot) pole gun equipped with the same fluid nozzle and air nozzle.

3. 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 pressure.
4. When temperature is above 80 F, it is advisable to flush the spray equipment with water every 2 to 3 hours in order to prevent the possibility of any material setting up and plugging the equipment.

Surface Maintenance

Maintain a clean surface to ensure that the anti-slip safety performance of AS-75 be maximized. We recommend the following cleaning procedure.

1. Apply an all-purpose, biodegradable cleaner/degreaser, diluted with water to the surface.
2. Scrub surface with a long-handled, fiber-bristle brush or floor machine.
3. Rinse with clean water and dry. Although extremely durable, AS-75 is not a permanent coating and will require occasional touch up, especially in heavy traffic areas.

Standard Colors

Black, Gray, Tile Red, Safety Yellow, Neutral Tint Base and White Tint Base. Custom colors are available and subject to minimum order requirements. Contact our customer services dept for more information at (800-631-7841

Use approved tinting system and pigments when adding colorants. the white tint base should receive no more than 8 fluid oz. of tint and the neutral base 12 fluid oz. high amount of colorants can affect viscosity, cure time and ultimate strength of the product. after colorant has been added, material must be shaken for a minimum of 5 minutes to blend in pigment. Premixing with a drill prior

to application is also recommended. A test area should be applied so color and appearance can be verified. Deep color may require additional coats to hide.

Specifications

VOC:	0.34 lbs. per gallon (42 grams/liter)
VOLUME SOLIDS (%):	68%
DRY TIME:	Light Traffic- 4 hours @ 70°F (21°C) Heavy Traffic- 24 hours @ 70°F (21°C)
ESTIMATED COVERAGE:	70 sq. ft. per gallon – bristle roller 125 sq. ft. per gallon – sprayed
WEIGHT PER GALLON:	15.2 lbs. per gallon (1.8 kg/liter)
FLASH POINT:	>200°F (93.3°C) -CC
COEFFICIENT OF FRICTION ASTM F609:	Dry – 1.30, Wet – 0.90
PACKAGING:	1 gallon and 5 gallon

Date 07/2006

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. Keep from freezing. Avoid prolonged breathing of vapors. For dizziness, seek fresh air. 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. 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.

The user of this product is responsible for making its own evaluation and tests regarding the capabilities, safety, utility, suitability and application of the product, and assumes all risks and liabilities resulting from the use or application of the product, whether used alone or with other products. ITW Polymer Technologies (herein referenced to as the COMPANY) warrants only that the product conforms to the specifications contained in product Technical Data Sheets

published by the COMPANY, a copy of which is available to the user. If the product fails to conform to this warranty, the user shall return the product within 10 days of the purchase date with a note specifying the defect and the COMPANY will either replace the product or at its option, return the purchase price. EXCEPT AS EXPRESSLY PROVIDED IN THIS PARAGRAPH, THE COMPANY MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, NATURE OR DESCRIPTION, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND HEREBY DISCLAIMS THE SAME. In no event shall the COMPANY be liable to the user of this product, whether in contract or in tort or any other legal theory (including, without limitation, negligence), for damages which exceed the purchase price of the product, or for any indirect, incidental, consequential or similar damages, arising out of sale, use or application of the product, or for any claim made against the user by any other party, even if ITW Polymer Technologies has been advised of the possibility of such claim.