



## AS-75 – TECHNICAL BULLETIN #2000A

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### 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. Because **AS-75** is a water-based coating, 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 PolySpec® RezRok 105 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.

**WOOD:** 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.

**ASPHALT:** Sweep to remove all dirt and other loose debris. Remove oil, grease, dirt, etc... by dissolving with a water-based cleaner/degreaser, then flush thoroughly with clean water and allow to dry. For further information on coating other surfaces, please contact American Safety Technologies, Inc.

### APPLICATION TECHNIQUES

**AS-75** is designed to be used over a primer. Thoroughly mix contents with a mechanical mixer using a Jiffy® mixing blade until mixed material assumes a uniform color and appearance. **AS-75** should be applied at surface temperatures between 50°F and 130°F. Exterior applications must be protected from rain for at least 24 hours after application. Protect from heavy or extended exposure to water, oil and chemicals for 5 to 7 days.

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

1. Use a nylon bristle roller.
2. Pour a ribbon of **AS-75** on the surface approximately 4 inches wide by 2 feet long. Roll material in one direction only, in slow straight strokes pulling material toward you with a moderate amount of pressure. Do not over-roll too many times or press down too heavily. Be careful that material does not build up too thickly along welds (roll across welds, not along them). Material applied too thickly may not properly cure.

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## ANTI-SLIP FLOOR AND DECK COATING

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 1.5 hours of use. Light colors will hide contrasting colors better if applied in 2 coats. For second coat allow minimum of 4 hours between coats.

**SPRAY:** 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 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 with constant agitation. 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 the anti-slip performance of the **AS-75** is maximized. The following cleaning procedure is recommended.

1. Foreign matter such as chewing gum should be removed with a scraper or putty knife. Then apply an all purpose, biodegradable cleaner/degreaser that can be mixed with water to the surface.
2. Scrub surface with a long-handled, fiber bristled 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.

### PRODUCT SPECIFICATIONS

V.O.C	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 kits and 5 gallon kits
SHELF-LIFE	2 years in unopened container
STANDARD COLORS	Black, Grey, Safety Yellow, Neutral Tint Base and White Tint Base

### APPLICATION NOTES

Only use an approved tinting system and pigment 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 cost to hide.

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