



TECHNICAL DATA SHEET – AS-150

Revised: 10/2023

PRODUCT DESCRIPTION

AS-150 is a single-component, epoxy ester, anti-slip pedestrian traffic coating and industrial maintenance coating for application on surfaces subject to heavy pedestrian-grade traffic. This VOC compliant safety coating is both easy and fast to apply and offers optimum adhesion to metal, concrete and wood surfaces. **AS-150** resists gasoline, oil, acids, alkalis, and aliphatic solvents. This product meets VOC requirements for all 50 States including as a Traffic Coating and/or an Industrial Maintenance Coating for the South Coast Air Quality Management District.

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 a concrete patch or repair mortar. 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 100EX 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. Next, the surface must be mechanically blasted to a NACE 2, Near White Metal blast with a 2-4 mil anchor profile ensuring that previous coatings, rust, and mil scale (if any) are thoroughly removed. Blasted surfaces should be primed immediately with MS-7CZ Industrial Primer at 2-4 mils WFT. For applications meeting SCAQMD requirements over metal use MS-8CZ 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 100EX Primer. For fiberglass use the MS-7CZ Industrial Primer for the best adhesion. For applications meeting SCAQMD requirements over fiberglass use MS-8CZ industrial primer.

APPLICATION TECHNIQUES

AS-150 coating is designed to be applied over a primer or sealer.

1. Thoroughly mix contents preferably with a mechanical mixer such as a pneumatic drill motor with a Jiffy® mixing blade until mixed material assumes a uniform color and appearance.
2. AS-150 should be applied at surface temperatures between 50°F and 120°F and applications outside that range are not recommended. Below 50°F, curing time will increase substantially.
3. Exterior applications must be protected from rain for at least 24 hours after application according to humidity. Protect from heavy or extended exposure to water, oil and chemicals for 5 to 7 days.

ROLLER: Provides aggressive anti-slip characteristics with an irregular, ridged profile.

1. Use a phenolic core roller. It is important that the rolled profile expose the maximum amount of anti-slip aggregate. If aggregate is not properly exposed, the coating may become slippery when wet.
2. Pour a "ribbon" of **AS-150** coating on the surface approximately 2' long and 6" wide. 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,

AS-150

SINGLE-COMPONENT, ANTI-SLIP COATING
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not along them). Material applied too thick may not properly cure.

TROWEL APPLICATION: (Provides excellent anti-slip characteristics with a rough, textured surface)

1. Use a smooth edged flexible plasterer's finishing trowel approximately 4 inches by 12 inches.
2. Pour a "ribbon" of **AS-150** coating on the surface approximately 2' long and 6" wide.
3. Hold trowel at 45° angle to surface and spread with sweeping motion. Pull material toward you. To cover corners, etc., pull straight strokes using material on the trowel. Trowel across welds to avoid too thick an application.

SPRAY APPLICATION (Gives a uniform appearance with good anti-slip characteristics)

1. **AS-150** coating should not be thinned.
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 pressures.

SURFACE MAINTENANCE

Maintain a clean surface to ensure the anti-slip performance of the **AS-150** 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-150** is not a permanent coating and will require occasional touch up, especially in heavy traffic areas.

PRODUCT SPECIFICATIONS

V.O.C	0.82 lbs. per gallon (98 g/l)
VOLUME SOLIDS - %	61%
DRY TIME	Light Traffic - 12 hours @ 70°F (21°C) Heavy Traffic - 72 hours @ 70°F (21°C)
ESTIMATED COVERAGE	60 sq. ft. per gallon – spray 50 sq. ft. per gallon – trowel 40 sq. ft. per gallon – roller
WEIGHT PER GALLON	14.8 lbs. per gal. (1.77 kg./liter)
FLASH POINT	102°F (39°C) - CC
COEFFICIENT OF FRICTION ASTM F609	Dry - 1.17 Wet - 1.00
PACKAGING	1 gallon kits 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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