TECHNICAL DATA SHEET – AS-175

PRODUCT DESCRIPTION
AS-175 is a two-part water-borne epoxy coating combined with a tough fine grain abrasive to produce a self-sealing, non-slip floor and deck coating. Enhanced clean-ability, chemical resistance and good coverage rate are but a few of the reasons AS-175 is the first choice for low-profile applications.

AS-175 is ideal for recreation areas as well as industrial and institutional facilities where use of a water-based coating is desirable.

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 PolySpec 100EX.

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.

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 PolySpec 100EX. For fiberglass use the MS-7CZ Industrial Primer for the best adhesion.
APPLICATION TECHNIQUES

AS-175 is designed to be applied over a primer or sealer.
1. Thoroughly pre-mix base component with a mechanical mixer such as a pneumatic drill motor with a Jiffy® mixing blade making sure all settlement is lifted off the bottom of the container and is uniformly dispersed and assumes a uniform color and appearance.
2. Pour entire contents of hardener into base component with a Jiffy® mixing blade for approximately 3-5 minutes or until mixed material assumes a uniform color and appearance. No induction time is required.
3. AS-175 should be applied at surface temperatures between 50°F and 120°F and applications outside that range are not recommended. 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:

Roller applications provide the most aggressive non-slip characteristics with an irregular, ridged profile.
1. Using a phenolic core roller it is important that the rolled profile expose the maximum amount of nonslip aggregate. If the aggregate is not properly exposed the coating may become slippery when wet.
2. Pour a ribbon of AS-175 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.
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, use bristle roller; allow minimum of 4 hours between coats.

SPRAY:

Sprayed applications will result in a uniform appearance with good non-slip characteristics.
1. AS-175 should not be thinned. Thinning could result in grit not remaining properly in suspension. 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 a 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.
5. 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 uniform color and appearance. No induction time is required. Recommended pressure is 15-20 psi on material and 20-25 psi on atomization. Maintain a clean surface to ensure the anti-slip performance of the AS-175.

SURFACE MAINTENANCE

Maintain a clean surface to ensure the anti-slip performance of the AS-175 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-175 is not a permanent coating and will require occasional touch up, especially in heavy traffic areas.

PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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<tbody>
<tr>
<td>V.O.C</td>
<td>0.5 lbs. per gallon (60 grams/liter)</td>
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<tr>
<td>Volume Solids - %</td>
<td>63%</td>
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<tr>
<td>Pot Life</td>
<td>1 hour @ 70°F (21°C)</td>
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<tr>
<td>Dry Time</td>
<td>Light Traffic - 24 hours @ 70°F (21°C) Heavy Traffic - 72 hours @ 70°F (21°C)</td>
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<tr>
<td>Estimated Coverage</td>
<td>90 sq. ft. per gallon – roller 120 sq. ft. per gallon – spray</td>
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<tr>
<td>Weight Per Gallon</td>
<td>12.2 lbs. per gallon (1.47 kg/liter)</td>
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<tr>
<td>Flash Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Coefficient of Friction</td>
<td>Dry - 0.78 Wet - 0.86</td>
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<tr>
<td>Flashing Time ASTM F609</td>
<td>2 years in unopened container</td>
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<tr>
<td>Standard Colors</td>
<td>Neutral Tint Base and White Tint base</td>
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APPLICATION NOTES

Only use an approved water-based tinting system. 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.

CAUTION: Read 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 Polymers Sealants North America, Inc. (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, EXPRESSED 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 on 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 Polymers Sealants North America, Inc. has been advised of the possibility of such claim.