

POLY CRETE TECHNICAL DATA

HEAVY DUTY NON-SKID COATING

Epoxy Resurfacer
Crack Filler
Patching
Industrial Service Uses

Solvent-Free
Excellent Chemical, Abrasion and Impact Resistance
Easy 1:1 Mixing Ratio
Moisture Insensitive

<p>STANDARD PRODUCT DESCRIPTION</p>	<p>Poly Crete is a two component heavy duty non-skid epoxy coating that was designed for industrial and marines applications. Poly Crete helps to provide slip resistance in wet and slippery conditions. Ideal for both new and old concrete surfaces, interior and exterior surfaces. Poly Crete is also designed for application on concrete and steel surfaces. This product meets USDA requirements.</p>
<p>USES</p>	<p>Excellent as a non-skid for warehouse floors, aisle ways, parking decks, platforms, concrete slabs, walls, bridges, loading docks, ramps, exterior walks, steps, production areas, garages, Seafood processing areas, canneries, meat packing plants, bottlers, poultry plants, chemical plants, paper mills, schools and public institutions, theme parks, oil refineries, water treatment plants, breweries, floors, steps, and ash down areas.</p>
<p>FEATURES</p>	<ol style="list-style-type: none"> 1. Heavy Duty non-skid 2. Provides excellent slip resistance 3. Good water, salt and chemical resistance 4. Excellent coating for Diamond Plate 5. Good abrasion and impact resistance 6. Ready to use non-skid coating 7. Easy to apply 8. Designed for use in wet areas
<p>PHYSICAL PROPERTIES</p>	<p>COLOR Gray GLOSS Gloss MIXING RATIO 4:1 by volume VOLUME SOLIDS 92 +/- 2% THEO. COVERAGE Phenolic Core Roller - Approx. 30-40 sq. ft. per gallon Trowel, squeegee - Approx. 40-50 sq. ft. gallon Coverage varies due to surface porosity and desired degree of non-skid REC. FILM THICKNESS 1/32" - 1/16" INDUCTION TIME None THINNING 5 - 10% with SA-65 CLEAN UP SA-17 or S-74 POT LIFE @ 75°F 1 hour RECOAT TIME @ 75°F 18 - 48 hours APPLICATION Phenolic Core Roller, trowel, squeegee APPLICATION TEMPERATURE 50 - 120°F SHELF LIFE Minimum 12 months V.O.C. 74 gms/l (.61 lbs/gl)</p>
<p>SURFACE PREPARATION</p>	<p>Any one of the following four surface preparations may be sufficient or a combination of the four may be required depending on the condition of the concrete surface.</p> <ol style="list-style-type: none"> 1) High Pressure Wet Abrasive Blast Cleaning: All loose and unsound concrete must be mechanically removed down to sound concrete by means of power tool equipment, such as, chipping, scaling hammers rotary scalers, etc. High pressure water blast with sand injection all surfaces to remove all concrete laitance, contaminants, and other foreign deposits to provide a sound, clean surface. Use clean dry air to blow down these areas to remove excessive moisture.

SOLVENT-FREE COATINGS FOR TOUGH ENVIRONMENTS

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SURFACE PREPARATION (continued)	<ol style="list-style-type: none"> 2) Acid Etch: Apply acid solution working into the concrete with a stiff broom or fiber brush. Allow solution to remain on the concrete surface for approximately 10 minutes, or until the effervescing and bubbling ceases. Then flush floor thoroughly with clean, fresh water to remove all laitance, dirt and other foreign materials. NOTE: Do not allow the acid solution to dry on the floor before flushing off because dirt, etc., can be redeposited in the pores of the concrete. 3) Vacuum Blast: All areas of the existing concrete shall be Vacuum Abrasive Blast cleaned using a Wheelabrator Blastrac Shot Blast Machine with Dust Collector. A proper anchor profile pattern shall be achieved to provide maximum adhesion of the recommended system. A thorough washing may be necessary prior to blasting to remove all foreign matter. Check with Blastrac Mfg. for proper shot and application procedures. 4) Dry Abrasive Blast: Abrasive blast concrete surface to remove all laitance, loose concrete, coating, sealers, etc. It is necessary to achieve a rough anchor pattern and get to sound concrete. All blast material and foreign matter must be removed before application. <p>In all cases of surface preparation, the pH should be checked. A pH reading of 7.0 to 8.5 is acceptable. Also, a "Water Dissipation Test" should be made on random areas of the floor to determine that the proper degree of porosity has been achieved. A "Vapor Barrier Test" should also be run on the concrete. New concrete must be cured at least a minimum of 28 days before applying a coating. Do not apply to slabs on grade unless a heavy unruptured vapor barrier has been installed under the slab. All laitance, efflorescence, sealers, chemical contaminants, grease, oil, and other foreign material must be removed. The prepared surface must be clean, dry and structurally sound. Holes, cracks, spalled areas and other structural defects should be filled. Rub smoother with a hand grinding stone to remove burrs or protruding aggregate.</p> <p>STEEL: Remove all dirt, oil, grease, chemical contaminants, and any other foreign matter before abrasive blast cleaning. Prepare and paint only clean, dry surfaces in accordance with SSPC or N.A.C.E. Sand blast to a "Near White" blast finish as outlined in SSPC-SP5-63 or N.A.C.E. No. 1 specification. A 1-2 mil profile is required when blasting.</p> <p>PRIMERS: Prime all blasted steel within 4 hours to prevent rust from reoccurring.</p>
INSTRUCTIONS	<p>Mix 4 parts base to 1 part curing agent with a 400-600 rpm explosion proof variable speed drill and Jiffy mixer. Use immediately after mixing, no induction time is needed. Roller - produces a uniform ridged surface. Pull the material towards you using some pressure. Do not over roll material this can decrease the non-skid. Roll material only in one direction. Strike off any excessive material build-up on edges from roller nap. Trowel or squeegee - produces a smoother surface. Hold flat blade squeegee or trowel at an 45° angle pulling material toward you. Pour a 2-3 inch wide ribbon. Apply at an even thickness. Do not apply over expansion joints. Do not apply if the surface temperature is within 5° of the dew point.</p> <p>This product is sold without warranty as to performance expressed or implied. Users are urged to make their own tests to determine the suitability for their particular conditions.</p> <p>Cure Time: @ 90°F: Light traffic - 18 hours. Heavy traffic - 2 days @ 75°F: Light traffic - 24 hours. Heavy traffic - 3 days @ 72°F: Light traffic - 72 hours. Heavy traffic - 5 days</p>
CAUTIONS	<p>Poly Crete is flammable. Keep away from all sources of ignition during mixing, application and cure. Read MSDS.</p>
TRANSPORT	<p>OSHA Flammability Classification: Combustible liquid, class IIIB.</p>

SAFETY: This is a hazardous material if misused. Read and understand the Material Safety Data Sheet (MSDS) before use.

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