

ESP 155 TECHNICAL DATA

Waterproofing and Sealer

**Epoxy Sealer & Base Coat
Cycloaliphatic Curing System
Reduces Concrete Outgassing**

VOC Class: Waterproofing VOC 239 g/l

<p>STANDARD PRODUCT DESCRIPTION</p>	<p>ESP 155 is a moisture tolerant two component modified Cycloaliphatic/Polymer Adduct Cured Clear Epoxy designed as a solvent based sealer and waterproofer. The low viscosity and low solvents provides 'bite' and penetration for excellent surface adhesion. The cycloaliphatic system provides superior moisture resistance, no blushing and improved physical properties. Can be tested with our gel pigment.</p> <p>This product is not Southern California VOC compliant and cannot be sold in Southern California.</p>
<p>USES</p>	<p>As a sealer coat for new or old surfaces to prevent penetration of water and chemicals. Ideal for wood and concrete surfaces. Reduces outgassing on concrete floors.</p>
<p>FEATURES</p>	<p>Excellent adhesion to most surfaces May be applied to damp or moist surfaces Develops early tack, yet has a long 'open time' for 100% solids epoxy systems</p>
<p>PHYSICAL PROPERTIES</p>	<p>COLOR Clear (can be pigmented) MIXING RATIO 1:1 by volume POT LIFE 20-30 minutes @ 75°F THINNING Do not thin TENSILE STRENGTH 3,500 psi ASTM-C-190-99 TENSILE ELONGATION 10% per ASTM-D638-60 RECOAT TIME @ 75°F For 100% solids resins and 100% solids coatings: 1-4 hrs. Do not let primer dry when applying 100% solids material For solvent coatings: 6-8 hrs. minimum, or overnight, and 24 hours maximum. ESP155 should be DRY before recoating with a solvent coating. Do not apply while still tacky. WATER ABSORPTION 0.3% per ASTM-D543-60 APPLICATION TEMPERATURE 45°F - 100°F THEORETICAL COVERAGE 1,187 sq. ft. per gallon @ 1.0 DFT RECOMMENDED COVERAGE 150-250 sq. ft. per gallon to yield approx. 5-8 mils DFT V.O.C. 239 GMS/L VOLUME SOLIDS 74% ± 2% SHELF LIFE 12 months minimum when stored between 50°F - 90°F APPLICATION Brush, spray or roller</p>

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MIXING INSTRUCTIONS	ESP 155 is prepared by mixing 1 part Base (Part A) to 1 part Curing Agent (Part B). ESP 155 should be used without any induction time.
APPLICATION	Surface must be clean. For best results, saturate surface using brush or roller. Apply an even, uniform, wet film while working material into surface. Do not allow material to puddle. Spread rate will be approximately 150 to 250 sq. ft. per mixed gallon, depending upon porosity of surface. ESP 155 may also be sprayed, but then should be 'back-rolled' to produce a uniform coat. For small areas and 'cutting in' use a brush. Do not apply to surfaces below 45°F or above 100°F. For safety and product curing, proper ventilation is necessary throughout application and cure.
RECOAT TIME	ESP 155 can be topcoated while still tacky. This will be 1-4 hours at 75°F when ESP 155 is applied at a rate of 150-250 sq. ft. per gallon. When used as a sealer for solvent coatings, ESP 155 must be DRY. Under the same conditions this will be 6 to 8 hours minimum. If the recoat time is in excess of 24 hours, sanding with 80-100 grit open paper is recommended.
CAUTIONS	<p>ESP 155 is flammable. Keep away from all sources of ignition during storage, mixing, application and cure. The curing agent (Part B) either alone or when mixed with the base (Part A) can cause eye and skin burns as well as allergic reactions. When spraying, the use of goggles, respirators, protective skin cream, and protective clothing is recommended as a standard practice. 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. READ MSDS.</p> <p>Don't neglect to review the MSDS (Material Safety Data Sheet) supplied with each order. DISCLAIMER: Any suggestions/procedures offered are given AS-IS without any warranty. Use of website/email/telephone suggestions and/or procedures is at your sole cost and risk. Buyer is solely responsible for testing the suitability of Product and determining quantities needed. Buyer is also solely responsible for compliance with local VOC (Volatile Organic Compound) regulations controlling the purchase and use of Product at buyer's location.</p>
TRANSPORT	OSHA Flammability Classification: Flammable liquid.

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

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