

# WATERPROOFING AND SEALER

**Epoxy Sealer & Base Coat  
Cycloaliphatic Curing System  
Reduces Concrete Outgassing  
VOC Class: Waterproofing**

**VOC = 239 g/l**

**STANDARD  
PRODUCT  
DESCRIPTION**

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.

**USES** As a sealer coat for new or old surfaces to prevent penetration of water and chemicals  
Ideal for wood, fiberglass and concrete surfaces  
Reduces outgassing on concrete floors

**FEATURES** Excellent adhesion to moist surfaces  
May be applied to damp or moist surfaces  
Develops early tack, yet has a long 'open time' for 100% solids epoxy systems

<b>PHYSICAL PROPERTIES</b>	Color	.....	Clear (can be pigmented)
	Mixing ratio	.....	1:1 by volume
	Pot life	.....	20-30 minutes @ 75°F
	Thinning	.....	Do not thin
	Tensile Strength	.....	ASTM C-190-99 3,500 psi
	Tensile elongation	.....	ASTM D638-60 10.0%
	Water absorption	.....	ASTM D543-60 0.3%
	Application temperature	.....	45°F - 100°F
	Theoretical coverage	.....	1,187 sq. ft. per gallon @ 1.0 DFT
	Recommended coverage	.....	150-250 sq. ft. per gal to yield approx 5-8 mils DFT
	V.O.C.	.....	239 GMS/L
	Volume Solids	.....	74% ± 2%
	Shelf Life	.....	12 months min. when stored between 50°F - 90°F
	Application	.....	Brush, spray or roller

**SURFACE PREPARATION** Surface to be coated must be free of oils, grease and loose contamination

**APPLICATION** 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. 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 sq. ft. per mixed half gallon, depending upon porosity of surface. ESP 155 may

## MULTI-VENDOR EPOXY SOLUTIONS

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.

Potlife is approximately 25minutes at 75F, so mix only the amount of epoxy that can be easily applied within that time limit. Do not mix an entire 1/5 gallon kit in one batch (especially if you're coating small areas such as floor edges or if the epoxy will not be used immediately and will sit in the mixing container). If a longer potlife or thinner product (the epoxy will thicken on cold surfaces) is desired, add 4-8 oz Xylene (or M.E.K.) Solvent per gallon to the mixed epoxy. Apply using a brush, or roller. The mixed product can be poured out in an 'S' pattern and then rolled out for even coverage. To speed up application you can then smooth out the surface. If a nonskid surface is desired, broadcast the chosen grade of aggregate over the wet epoxy to 'refusal'. Allow the epoxy to rest for 12 hours and sweep off the excess aggregate. A top coat of clear or pigmented epoxy is strongly recommended to lengthen the life of the nonskid surface.

**RECOAT NOTES** 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 - 8 hours minimum. If the recoat time is in excess of 24 hours, sanding with 80 - 100 grit open paper is recommended,

. Unless top-coated with a UV absorber, this epoxy will yellow in sunlight.

**CAUTIONS** ESP 155 is flammable. Keep away from all sources of ignition during storage, mixing, application and cure. The curing agent (Part B) wither 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.

**TEMPERATURE** Temperature will exert a considerable influence on the rate of curing of chemically cured coatings such as ESP 155 epoxy. In broad terms expect each 10C (18F), rise or fall in temperature to half or double dry times and pot lives.

**TRANSPORT** OSHA 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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