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

PHYSICAL PROPERTIES
- 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 sw. 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
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 25 minutes at 75°F, 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 used immediately and will sit in the mixing container). If a longer potlife or thinner product (the epoxy will thicken on cold surfaces) is desires, 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 desires, 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 (Bart 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 10°C (18°F), 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.

WARRANTY DISCLAIMER: The technical data given herein has been compiled for your help and guidance and is based upon our experience and knowledge. However, as we have no control over the use to which this information is put, no warranty, express or implied is intended or given except that these goods shall be of merchantable quality and buyer assumes all risk and liability for results obtained by the use of the materials covered in this data sheet, whether used singly or in combination with other products. We assume no responsibility whatsoever for coverage performance or damages including injuries resulting from use of this information or of products recommended herein. The sale and use of this product is governed by Progressive Epoxy Polymers, Inc. ’s Warranty Disclaimer and Return Policy.

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