SINGLE PLY PRIMER
SURFACE PRIMER
FOR SINGLY PLY MEMBRANES

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

ERSystems® Single Ply Primer is a single component solvent-based primer designed to improve adhesion of coatings to EPDM, PIB and CSPE (Hypalon), PVC and TPO single-ply membranes. Its unique cure activation system promotes excellent adhesion and rapid recoat with a variety of coatings including Acrylic 1000 and Polyurethane 300 FC.

TYPICAL PROPERTIES:

Property	Typical Value
Percent Solid:	4% (By volume), 5% (by weight)
Viscosity:	50 cps
Color:	Clear
Weight/Gallon	7.35 lbs./gal
VOC Content	793 g/l
Flash Point	107°F (41.7°C)
Shelf Stability	8 months
Dry time to coat	20 minutes

TYPICAL USES:

Single Ply Primer is designed to prepare a single-ply membrane surface to accept and retain adhesion to a protective coating. See Thermoset Single-Ply Restoration Specification.

PACKAGING:

- 5 gallon pails

COLOR:

- Clear

APPLICATION EQUIPMENT:

- Application may be by brush, roller or airless spray.
- **Brush or Roller**: Brush may be used for small, irregular and inaccessible areas. A short nap solvent resistant roller works well.
- **Airless Spray Equipment**: Airless spray equipment with a 1 gallon per minute capacity, at low pressure, ¼" hose and tips of .010 and .015 inch diameter work well.
- **Note:** Single Ply Primer is highly flammable. Grounded spray equipment should be used.
- ***Do not use electric-mixer to stir.***

SURFACE PREPARATION:

Single-ply membrane surface must be dry, clean and free of dirt, grease, loose debris and chemical contaminants. New membranes must be free of talc. Power washing at 2000-3000 psi is normally sufficient.

Adhesion tests of Single Ply Primer and the finish coat should be applied to prepared surface to check for adhesion performance.

APPLICATION:

Always stir prior to use. Single Ply Primer is typically applied at 250-300 square feet per gallon (3.79 liters). The surface to be primed needs only to be wetted completely and uniformly.

Single Ply Primer may require stirring every 15-20 minutes. Do not thin!

CURING TIME AND RECOAT:

Single Ply Primer will typically be cured sufficiently to accept a coating in 20-30 minutes, not to exceed 4 hours. Temperature should be 40°F (4.45°C) or above. Low temperatures slow the cure rate.

LIMITATION:

Single Ply Primer must be well stirred. Surface must be dry, clean, preferable 40°F (4.45°C) or higher. Cooler temperatures will extend cure times.

Single Ply Primer contains flammable solvents. Exercise caution in mixing, applying and clean-up.

CAUTION!!!

Be sure area is well vented. The solvents used in ERSystems® Single Ply Primer are flammable and, in some cases, irritating to the eyes and skin. Keep containers tightly closed and away from heat, sparks and open flame.

Avoid breathing of vapors and contact with skin.

Use appropriate MESA/NIOSH approved chemical cartridge or air-supplied respirators where limited air movement might occur. In confined areas, adequate ventilation of fresh air supplied by hoods must be provided during application. This Single Ply Primers not intended for non-industrial use. Proper eye protection and protective clothing for the skin should be worn. Keep out of reach of children.

The flow of material through pump and system could create static electricity. When pumping flammable materials, all equipment must be properly grounded to prevent static discharge and sparking, which could cause fire or explosions. Use only conductive or grounded air and material hoses and be sure that compressor and pumps are properly grounded per manufacturer's recommendations.

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PRIOR TO USE OF THIS MATERIAL,
READ ALL APPROPRIATE SAFETY DATA SHEETS

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Complete technical information is available from
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