



PRODUCTS FOR OUR ENVIRONMENT

## TECHNICAL DATA SHEET

### ERS-White Roof Coating

P/N: 020-0075

For Professional Use Only



#### PRODUCT DESCRIPTION:

ERS-White Roof Coating is a water-based, Energy Star compliant, acrylic coating with high solids and elastomeric properties. It is a highly reflective, permanently flexible “breathing” membrane, allowing moisture vapor from the substrate or building interior to escape while remaining impervious to mass water penetration from the exterior.

#### RECOMMENDED USES:

ERS-White Roof Coating will extend the life of metal, conventional built-up, modified bitumen, concrete, Hypalon, EPDM, and sprayed-in-place insulation.

#### ADVANTAGES:

- Elastomeric
- Reflective – lowers roof and interior temperatures
- Low cost application and maintenance costs
- Reduces energy costs
- Contains no asbestos
- Energy Star compliant
- Classified by Underwriters Laboratories, Inc.® as to an external fire exposure
- Meets Florida Power & Light (FPL) requirements

#### APPROVALS:



#### INSTALLATION: Do not thin!

**Surface Preparation:** All surfaces must be clean, dry, and free of any dirt, oil, loose rust, granules or gravel, surface chemicals, or other contaminants which may interfere with optimum adhesion. Any unsound area in the roof, i.e. blisters, delamination, deterioration, moisture saturation, ridges, severe corrosion, sharp projections, etc. shall be repaired or replaced. Low areas which hold excessive ponding water must be brought into conformance by installing additional drains or adding proper slope to existing drains.

**Application:** The preferred method of application is airless spray. A medium to heavy nap roller may be used for application over flat substrates. Brush or roller may be used for touch-up or detail work for small areas not practical for spray application. Coating must be applied in a minimum of two separate coats to ensure proper coverage and cure rate and a pinhole free continuous film. Each coat shall be applied in a direction perpendicular to the previous coat. All surfaces must be uniformly coated and free from voids, pinholes, and blisters. Adequate curing of detail work must take place prior to applying first coat. Subsequent coats shall be applied after allowing adequate cure time for the preceding coat(s).

**Recommended Application Equipment:** Airless spray equipment is best suited for field applications. The following minimums are recommended:

- Pump: 1 gallon per minute (3.8 liters/minute) output and 2,000 psi (13,790 kPa) pressure capability.
- Gun: Any airless gun compatible with pump used.
- Screen size: Filter screens should be 30 mesh or larger.
- Tip size: A reversible self-cleaning tip with orifice size .027” to .039” (.69 to .99 mm) with a fan angle of 40° to 50°.

The sprayability of coating will depend on the combination of proper equipment and temperature of the coating at time of application. Coating is very cohesive and difficult to spray at material temperatures below 60°F (16°C).

**Drying Time:** Initial cure or dry time to achieve resistance to rain or overnight dew will normally require several hours. Total cure will typically take 24 to 48 hours depending on weather conditions.

**Clean Up:** Clean tools with water immediately after use. If material has dried, clean with Mineral Spirits or Xylene.

#### STORAGE LIFE:

This product has a shelf life of 1 year when stored in unopened, original containers at temperatures above 40°F (0°C); **KEEP FROM FREEZING.**

#### COVERAGE RATES:

Apply ERS-White Roof Coating in a minimum of 2 coats at a total rate of 2 to 5 gallons per 100 sq.ft. (.8 to 2.0 l/m<sup>2</sup>). Actual gallons required will depend upon the type of surface and texture, method of application, and weather conditions at the time of application.

#### PACKAGING:

ERS-White Roof Coating is available in 5-gallon (18.9 liter) pails.

#### PHYSICAL PROPERTIES:

Property	Typical Value	Test Method
Tensile Strength @ 75°F @ 0°F	250 psi	ASTM D 412
	440 psi	
Elongation @ 75°F @ 0°F	300%	ASTM D 412
	340%	
Density @ 77°F	11.8 lbs/gal.	ASTM 1475
Solids by Weight	60 ± 2%	ASTM D 2369
Solids by Volume	54 ± 2%	ASTM D 5201
Fire Resistance	Pass	UL 790
Solar Reflectance	0.85	ASTM C 1549
Emissivity	0.94	ASTM E 408

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