



PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-308-F

P/N: 020-0035
020-0036

For Professional Use Only

PRODUCT DESCRIPTION:

ERS-308-F is a highly reflective, leafing, asphalt-based paint that is fibrated with non-asbestos materials for strength and stability. This product provides ultraviolet light resistance and weather protection to a variety of substrates and reduces surface temperatures for energy savings and extended product performance. ERS-308 is formulated with paint quality aluminum pigments for maximum reflectivity.

RECOMMENDED USES:

ERS-308 can be used as a top protective coating for new, smooth asphalt roof systems. It can also be used as a surface coating over aged, smooth asphalt roofs. It can be used on the vertical portion of base flashings, as a surface protective coating for asphalt and smooth surface modified asphalt products. With approval from Ecology Technical Department, in some cases it can be used as a coating for metal roofs and granule-surfaced modified bitumen sheets.

ADVANTAGES:

- Contains no asbestos
- High reflectivity
- Good weatherability
- Excellent adhesion
- Meets or exceeds ASTM D 2824, Type III requirements
- Saves energy by reducing under roof temperatures
- Extends life cycle of surfaces by slowing UV degradation.

INSTALLATION:

Surface Preparation: All surfaces should be swept clean prior to application. All blisters, breaks and other membrane deficiencies must be repaired. Prime aged and dried out surfaces with ERS-301 or ERS-Clear Primer that meets VOC compliancy requirements. Allow all primer to dry thoroughly before applying coating. All metal surfaces must be cleaned of dust, dirt, and rust scale.

Application: ERS-308-F requires thorough mixing to uniformly blend asphalt with aluminum pigments. The use of low speed power equipment or industrial paint shakers is recommended. Apply material with brush or short to medium nap roller. Stir frequently. When using rollers, paint pans are recommended.

Recommended Spray Equipment: Gas powered or air operated spray equipment capable of 1,200 psi minimum pressures, using a .043 - .061 HD RAC tip. Clean equipment with mineral spirits.

Drying time: 12 hours drying time is required before exposing to moisture to prevent browning.

COVERAGE:

Apply at a rate of 2 – 2-1/2 gallons/square (100 sq.ft). Actual coverage rate will vary depending on the surface being coated. Note: For estimating purposes on corrugated or ribbed metal roofs or walls, multiply lineal surface area by 1.5 to account for the additional surface area of the ribs or corrugations.

PACKAGING:

ERS-308-F is available in 5 gallon (18.9 liter) pails and 55 gallon (208.19 liter) drums.

STORAGE LIFE:

One (1) year from date of shipment when stored in unopened, original container.

PRECAUTIONS:

- Do not apply to damp surfaces or when rain or snow is imminent.
- Exposure to dew or rain before complete cure will cause a bronze discoloration.
- Not recommended for areas that retain ponded water after precipitation.
- Porous surfaces must be primed and then allowed to dry thoroughly before applying coating.
- Proper and frequent mixing is required to ensure desired performance.
- Emulsions must age a minimum of 30 days before applying ERS-308-F.
- Do not apply over a fresh glaze of hot asphalt; severe cracking will result.
- Do not apply during extreme temperatures - > 105°F (40.6°C).

PHYSICAL PROPERTIES:

Property	Typical Value	Test Method
Asbestos Content	0%	EPA 600/R-93/116
Metallic Aluminum by Weight	13%	ASTM D 2824
Non-Volatile Matter (NVM)	65%	ASTM D 2824
% Water	0.1%	ASTM D 2824
Flash Point	100°F (37.8°C), minimum	ASTM D 3278
Insoluble Matter, %	48	ASTM D 2824
Uniformity and Consistency	Acceptable as described	ASTM D 2824
Stormer Viscosity (300 gm load)	35 - 40 sec./100 rev.	ASTM D 2824
Solar Reflectance	0.63	ASTM C 1549
Emissivity	0.41	ASTM C 1371

Ecology Roof Systems®

Corporate Offices

9821 Olde Eight Road, Unit F, Northfield, OH 44067

PHONE: 330-467-4220 FAX: 330-467-4225

www.ecologyroof.com

REGIONAL OFFICES LOCATED ACROSS THE U.S.

To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Ecology Roof Systems to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Ecology Roof Systems. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY ECOLOGY ROOF SYSTEMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.