



ERS-302

P/N: 010-0005
010-0006

For Professional Use Only



PRODUCT DESCRIPTION:

ERS-302 is a cold applied, rubber modified, quality interply adhesive and weather resistant flood or surfacing coating. ERS-302 contains adhesion-promoting additives to enhance bonding strength and overall performance. ERS-302, when used as an adhesive, penetrates each ply player to create a fused, well-bonded roof system. Unlike hot-applied materials, rapid cooling, wind, and improper heating are not influencing factors during application.

RECOMMENDED USES:

ERS-302 can be used as an interply adhesive and surfacing mastic for construction of a cold applied Ecology glass or polyester roof system. It can also be used to adhere granules and gravel. ERS-302 can be used with fully coated base sheets and SBS modified bituminous membranes.

ADVANTAGES:

- Cold applied – thus eliminating open flames and kettles
- Easily spray applied
- Asbestos free
- Complies with all current VOC regulations
- Classified by Underwriters Laboratories, Inc.® as to an external fire exposure
- Approved by the Miami Dade County Building Code Compliance Department and Building Code
- Easily spray applied
- Less sensitive to weather conditions than emulsion products
- Modified with rubber to improve elongation properties, fatigue resistance and low temperature performance.
- Manufactured with recycled materials which can lead to LEED points

APPROVALS:



INSTALLATION:

Surface Preparation: Substrate and all ply sheets must be dry. When used as a surfacing mastic, remove all loose gravel, silt and other contaminants, preferably with wet roof vacuum. Repair all surface defects. Upgrade flashings and surrounding masonry. Prime perlite, uncoated fiberboard and other porous surfaces with ERS-301 or ERS-Clear Primer depending on VOC compliancy requirements.

Application: When adhesive is used with fiberglass plies, the adhesive must be sprayed. If other methods are used such as squeegee or brush, ridging of the glass ply sheets can be expected. Warming of adhesive with a Warm-Master heat transfer unit is advised to provide maximum interply adhesion, uniform thickness and application production rates.

ERS-401 or other glass reinforced base sheets must be cut in 18 – 20 foot lengths and allowed to relax for 30 minutes at 72°F (22°C) or above (45 minutes when below 72°F) before placement into ERS-302. Do not reroll relaxed lengths before placement.

Polyester and laminate base sheets do not need to be precut.

Drying Time: ERS-302 requires embedment of a minimum of 400 lbs. per square of aggregate immediately into the wet adhesive.**COVERAGE:**

As an interply adhesive, ERS-302 is applied at a rate of 2.0 gallons per 100 square feet, including laps. If applied too heavily, modified bitumen sheet may soften and/or blister.

As a surfacing coating, ERS-302 is applied at 5 – 7 gallons per square (gravel surface) for new construction or at 7 gallons per square (gravel surface) for maintenance or resurfacing coating.

PACKAGING:

ERS-302 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:

- Must prime perlite board or uncoated fiberboard before applying ERS-302.
- Do not use in conjunction with styrene or phenolic insulation.
- Polyisocyanurate insulation as a base course requires a second layer of insulation fully adhered in steep asphalt, urethane adhesive or mechanically attached. Stagger all joints.
- Glass base sheets used as ply sheets must have a minimum weight of 24 lbs.
- Do not use with Type IV or Type VI ply sheets.
- When spraying, use precautions to avoid drift and overspray.

PHYSICAL PROPERTIES:

Property	Typical Value	Test Method
Asbestos Content	0%	EPA 600/R-93/116
Uniformity	Pass	ASTM D 4479
Asphalt Content	49%	ASTM D 4
Solids by Weight	75%	ASTM D 4479
Density	8.5 lbs/gal.	ASTM D 1475
Viscosity	17,000 – 40,000 cps	ASTM D 2196
Flash Point	101°F (38.3°C) minimum	ASTM D 93
Fire Resistance	Pass	UL 790

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