



PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-304

P/N: 005-0015

For Professional Use Only

PRODUCT DESCRIPTION:

ERS-304 is a non-asbestos, SBS modified, asphalt-based mastic for repairing a wide variety of roofing problems. It contains oils, plasticizing agents, reinforcing fibers and surfactants for improving adhesion to damp surfaces. ERS-304's resilient formulation is designed expressly for repairs on roof systems and components such as pitch pans. It is easily applied directly from the container to remedy breaks, holes, or blisters in the roof membrane.

RECOMMENDED USES:

ERS-304 can be used to repair membranes, pitch pans, existing flashings, and for other miscellaneous roofing repairs. It can also be used as a patching material in conjunction with ERS asphalt-based membranes and/or as a tie-in/strip-in mastic at flashings, perimeters and other penetrations.

ADVANTAGES:

- Asbestos free
- Good adhesion to clean, damp surfaces
- Approved by the Miami Dade County Building Code Compliance Department and Building Code
- Easily troweled in cold weather
- Medium body with excellent non-sag characteristics
- Polymer modified to provide good elongation and cold weather performance
- Manufactured with recycled materials which can lead to LEED points

APPROVALS:



INSTALLATION:

Surface Preparation: Surface should be cleaned of as much embedded aggregate, dirt, and foreign matter as possible. Holes in the surface should be cleaned out thoroughly. Prime dried surfaces with ERS-301 or ERS-Clear Primer that meets VOC compliancy requirements.

Application: Small leaks should be plugged with ERS-304 and smoothed to a feathered edge. Blisters, metal lap joints, splits and edges are best repaired by embedding strips of ERS-StitchBond or ERS-312 between two layers of ERS-304. A five-course repair is recommended on horizontal surfaces (i.e., two courses of fabric layered and coated with ERS-304). On BUR and gravel roofs, broadcast gravel over completed membrane repairs.

An ordinary steel trowel is the most widely used tool for application.

COVERAGE:

Coverage varies depending upon actual surface conditions.

Flashings, reinforcing seams, etc. in conjunction with 1-ply, 6" fabric over smooth surface – 1 gallon per 13 linear feet (.95 liter/m). In conjunction with 1-ply, 6" fabric over rough surface – 1 gallon per 10 linear feet (1.2 liters/m).

Flashings – adhere base of flashing on gravel surface – 1 gallon per 7 linear feet (1.8 liters/m).

Patching and reinforcing – in conjunction with a 2-ply fabric repair over smooth surface – 12 gallons per square (4.9 liters/m²). In conjunction with a 2-ply fabric repair over rough surface – 16 gallons per square (6.5 liters/m²).

PACKAGING:

ERS-304 is available in 5 gallon (18.9 liter) pails.

STORAGE LIFE:

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

PRECAUTIONS:

- Material will soften polystyrene.
- Do not use as a flashing cement for APP or SBS modified sheets.
- Not compatible with EPDM, PIB, or PVC sheets.

PHYSICAL PROPERTIES:

Property	Typical Value	Test Method
Asbestos Content	0%	EPA 600/R-93/116
Non-Volatile Matter by Weight	76 – 82%	ASTM D 4586
Tensile Strength @ 77°F (25°C)	32 – 40 psi	ASTM D 412
Elongation @ 77°F (25°C)	100%	ASTM D 412
Resistance to Sag @ 140°F (60°C)	1/8" maximum	ASTM D 4586
Adhesion to Wet Surfaces	75%	ASTM D 3409
Moisture by Weight	2.0%	ASTM D 4586
Mineral or Other Stabilizers by Weight	35%	ASTM D 4586
Asphalt by Weight	43%	ASTM D 4586
Uniformity & Workability	Acceptable as described	ASTM D 4586
Behavior @ 140°F (60°C)	No blistering	ASTM D 4586
Pliability @ 32°F (0°C)	No cracking/separation	ASTM D 4586

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