



## ERS-401 Mod Base

P/N: 045-0005

For Professional Use Only



### PRODUCT DESCRIPTION:

ERS-401 Mod Base is a fiberglass mat coated with SBS (Styrene Butadiene Styrene), polymer modified asphalt. These polymers alter the basic physical characteristics of the asphalt, which provides enhanced weathering, aging and sealing characteristics. ERS-401 Mod Base meets the shower test of ASTM D4869 and exceeds the tensile strength requirements of ASTM D226.

### RECOMMENDED USES:

ERS-401 Mod Base is designed as an underlayment for nailable tiles, shingles, wood shakes and as a base sheet for built up roofing applications. It provides greater tear and pull through resistance than traditional underlayments.

### GENERAL APPLICATION:

Ecology Roof Systems recommends the guidelines of the underlayment be in accordance with the guidelines provided by the Florida roofing and sheet metal association-roof tile institute model tile specifications (refer to part iii sec. 3.02).

### INSTALLATION:

**Nailed Base Sheet:** Due to the memory of glass base sheets which can cause some buckling during the nailing process, it is recommended that the base ply be unrolled, cut into 36' sections (1/3 sections of a roll) and allowed to relax in place for 15 – 30 minutes before fastening.

Remove wrinkles and slack from base sheet prior to nailing. This is best accomplished by a shuffling motion of the feet of the mechanic installing the membrane just ahead of the person nailing the base sheet to the deck.

Follow the nailing specifications shown below without modification. Fasteners must be recommended by deck manufacturer.

All nailing should be done through flat metal caps, no less than 1" in diameter.

**Cold Applied Built-Up Roof:** Cut ERS-401 Mod Base into sections 18 – 20' in length and allow to relax for 30 minutes at 72°F, or above, 45 minutes below 72°F, before placement into wet ERS-302 adhesive. Do not re-roll relaxed lengths before placement. Do not apply below 45°F. Run starter strips (headers) parallel to parapet walls and perimeter details. These should be installed by hand prior to the reinforcing plies. End laps must be staggered 4' minimum. Embed each ply in a uniform continuous spray application of ERS-302 adhesive. Immediately broom each ply to ensure adhesion.

Point-loading during the time of application may force the interply adhesive from between the reinforcing plies. Realignment of rolls will cause wrinkling. When end laps are in a line, such as an end of the day tie-off, overlap previous day's work by 12" and cover with a full width of ERS-401 Mod Base in 18' lengths.

Every effort should be made to allow the waterproofing bitumen to set before being exposed to either foot or wheeled traffic.

### PACKAGING:

2 sq. roll – 36" wide x 72' long; 20 rolls per pallet.

### STORAGE:

One (1) year from date of shipment when stored in a cool, dry place, preferably indoors. If stored outdoors, product must be protected with a water impermeable cover.

## PHYSICAL PROPERTIES:

Property		
ASTM		ASTM-D-4601
Breaking Strength		
	Longitude	44 lbf/in (7.7 kN/m)
	Transverse	44 lbf/in (7.7 kN/m)
Pliability, 90° around a 1" mandrel @77°F (Pass / Fail)		Pass
Mass of Desaturated Glass Mat		1.7 lbs/100 ft <sup>2</sup> (83 g/m <sup>2</sup> )
Asphalt		7.0 lbs/100 ft <sup>2</sup> (342 g/m <sup>2</sup> )
ASH (Glass Mat Only)		70 – 80%
Surface Material		Sand
Net Dry Mass of Asphalt-Impregnated Glass Felt		14.5 lbs/100 ft <sup>2</sup> (708 g/m <sup>2</sup> )
Typical Roll Weight		81 ± 3 lbs

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