



ERS-401 Base

P/N: 045-0005

For Professional Use Only



PRODUCT DESCRIPTION:

ERS-401 Base is a non-porus 28 pound base sheet, uniquely designed and constructed to be strong while remaining wrinkle resistant. This unique combination of strength and suppleness is achieved by coating a heavyweight, specially designed fiberglass mat with type IV asphalt. The asphalt coating helps maintain a uniform consistency on both sides of the sheet and eliminates pinholes.

RECOMMENDED USES:

ERS-401 Base is used as the base ply in a wide variety of hot, cold and torch applied built-up and modified bitumen roofing applications. The suppleness and extreme pliability of ERS-401 Base make it a good alternative for organic base where a decay resistant inorganic mat is desired.

ADVANTAGES:

- Utilizes a roofing-dedicated asphalt to ensure premium roof system performance and durability.
- May be nailed using accepted industry procedures for base sheet application.
- Contains no asbestos.
- Meets Florida Approval BFL # 2074.

APPROVALS:



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 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 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:

3 sq. roll – 36” wide x 108’ 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, Type II
UL	Type G-2
Breaking Strength	44 lbf/in (7.7 kN/m) minimum
Pliability, 90° around a 1” mandrel @ 77°F (pass/fail)	Pass
Moisture, at time of manufacturing	1.0% maximum
Surfacing and Stabilizer	65% maximum
Mass of Desaturated Glass Mat,	1.7 lbs/100 ft ² (83 g/m ²) minimum
Asphalt	7.0 lbs/100ft ² (342 g/m ²)
Ash, glass mat only	70% - 88%
Surface Material	Sand
Net Dry Mass of Asphalt-Impregnated Glass Felt	
Average of All Rolls	15.5 lbs/100ft ² (756 g/m ²)
Individual Rolls	14.5 lbs/100ft ² (708 g/m ²)
Laying Line Location	2”, 4”, 17” from edges

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