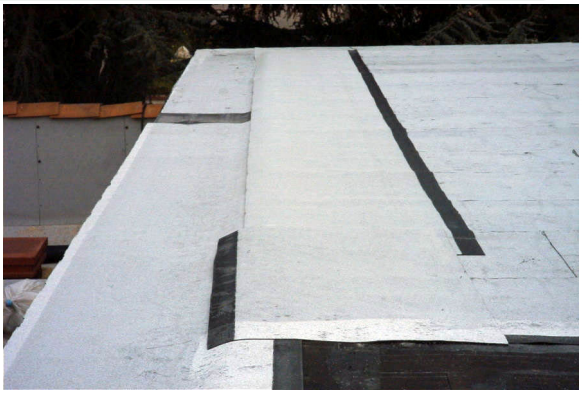
PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-585 GR HP

P/N: 045-0165

For Professional Use Only



PRODUCT DESCRIPTION:

ERS-585 GR HP is 120 mils (3.0 mm) thick and is composed of selected SBS modified bitumen applied onto a fiberglass/non-woven polyester composite reinforcement and is produced with a plastic film underside and granules topside. ERS-585 GR HP is adhered to a sand surfaced base membrane by using hot asphalt or cold adhesive. ERS-585 GR HP is tested in accordance with ASTM D 5147.

RECOMMENDED USES:

ERS-585 GR HP can be used as part of a high performance SBS modified bitumen roof system, adhered in hot asphalt or cold process adhesive. It can also be used as a flashing membrane for new construction and remedial or maintenance applications.

ADVANTAGES:

- Weather resistant for long-term performance.
- Excellent cold weather performance.
- Contains no asbestos.
- Uniform layer of protection provided by quality control during manufacture.
- Meets or exceeds ASTM D 5147.
- Meets requirements of Factory Mutual Research Corporation® Standard 4470.
- Classified by Underwriters Laboratories, Inc.® as to an external fire exposure.

APPROVALS:

FM APPROVED

INSTALLATION: Caution – if your torch experience has been with APP membranes only, be advised that torch grade (TG) SBS membranes require <u>less heat</u> to reach proper application temperature. Practice on scrap membrane before installing.

Surface Preparation: The surface over which the sheet is to be installed must be firm, dry, smooth and compatible with the membrane and application method and free of debris and loose material. All surfaces must be designed and installed in accordance with specifications. Positive drainage is required.

Application: Apply ERS-301 (asphalt primer) to all metal, concrete, and other porous surfaces and allow to dry prior to installation of the roofing membrane and flashing. **Never weld directly to combustible materials**.

Roofing shall commence at the lowest point of the roof (running rolls perpendicular to the slope) with laps installed so that water flows over, rather than against, the lap. On inclines exceeding 1" per foot, the membrane may be installed with side laps running parallel to the direction of the roof slope (strapping method).

Side laps shall be 3" and end laps a minimum of 6". End laps must be staggered a minimum of 3'.

COVERAGE:

Lapping width determines actual coverage of roll – i.e., 3" side and 6" end laps provide approximate coverage of .975 squares.

PACKAGING:

ERS-585 GR HP comes in a 39" x 33' roll; 30 rolls per pallet.

STORAGE:

One (1) year from date of shipment when stored in a cool, dry place, preferably indoors.

PRECAUTIONS:

- **If your torch experience has been with APP membranes only, be advised that torch grade SBS membranes require <u>less heat</u> to reach proper application temperature**.
- Protect all components of Ecology's assemblies from discharges such as petroleum products, grease, oil (petroleum and vegetable) and constant contact with water in excess of 140°F (60°C).
- Do not apply directly to previously coated surfaces or existing mineral surface roofs. The use of a mechanically attached insulation or base sheet separator is required.
- When ambient temperatures are below 50°F (10°C), material should be kept in a warm area (60°F (15.6°C) or higher) and brought to the roof no more than one hour prior to the application.
- Do not apply directly to the following surfaces unless they are primed with ERS-301 (asphalt primer): Gypsum, Stucco, Textured Masonry, any Metal.
- Copper flanges may be weathered or coated with an anti-tarnish lacquer, which impair adhesion. Clean with acetone and clean rags. Prime with ERS-301 (asphalt primer) before applying flashing membrane.
- Do not use mastic behind Ecology's torch grade membranes.

PHYSICAL PROPERTIES: (Typical Value)

Physical Property per ASTM D 5147	MD	XD
Tensile – Max Load at 0 ± 3.6°F lbf/in	72	50
Elongation at 0 ± 3.6°F %	33	42
Tensile – Max Load at 73.4 ± 3.6°F lbf/in	49	44
Elongation at 73.4 ± 3.6°F %	39	41
Tear Strength at 73.4 ± 3.6°F lbf	102	71
Low Temperature Flex °F max	-15	-15
Dimensional Stability % max	<0.5	<0.5
Compound Stability Temp °F	215	215
Granule Embedment g/max	<2	<2

Minimum values before and after heat conditioning.

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