PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-585 GR FR H

P/N: 045-0160

For Professional Use Only

PRODUCT DESCRIPTION:

ERS-585 GR FR H is composed of a carefully formulated elastomeric modified bitumen blend of SBS compounded with a special fire retardant additive. This blend is applied onto a woven composite fiberglass and polyester reinforcement mat for increased tensile strength. ERS-585 GR FR H has a film underside, for heat welding application, and a granulated top for service as a field cap membrane sheet. This product can be adhered to a variety of properly prepared, clean, dry and primed (where required) substrates using heat weld application methods.

RECOMMENDED USES:

ERS-585 GR FR H can be used as a weather resistant top ply in a 3 or 4 ply system or as a finish cap sheet for base flashing construction.

ADVANTAGES:

- Exceeds ASTM D 6162, Type III, Grade G requirements
- Weather resistant for long-term protection
- Contains no asbestos
- Meets requirements of Factory Mutual Research Corporation® Standard 4470
- Classified by Underwriters Laboratories, Inc.® as to an external fire exposure

APPROVALS:

FM APPROVED

CLASSIFIED C UL US

INSTALLATION:

Surface Preparation: Roof surface must be clean, free of dust, dirt, or moisture when cap sheet is applied.

Application: Light priming with ERS-301 (125 – 150 sq.ft./gallon) is required if any surface weathering has occurred on the previously installed ply sheets.

ERS-585GR FR H shall be applied free of buckles, wrinkles or voids. Sheets shall be applied over and parallel to the underlying roofing, and lapped so that the flow of water is over or parallel to, but never against, the laps. ERS-585 GR FR H shall be lapped with 3" side laps and 6" end laps. Stagger end laps a minimum of 3'.

Cut ERS-585 GR FR H into 16' lengths and allow to relax. Set the membrane and unroll to position. Align the membrane to have 3" side laps and 6" end laps. Stand on the membrane and re-roll one half. Apply the propane torch to the exposed outer surface of the re-rolled portion until the compound reaches the correct application temperature.

Slowly heat and unroll the membrane, taking care to retain the proper alignment, and heat-weld the membrane to the substrate. Do not walk on the roll during installation. A small 3/8" to ½" bead or bleed-out of molten (not running liquid) asphalt is desirable and must be done to create a proper lap.

When this section of the membrane is heat-welded, re-roll the unbounded section and heat-weld. As you unroll the membrane, torch evenly and thoroughly in an "L" shaped motion across the surface of the roll and about a foot down the lower sheet side lap or selvage.

On inclines exceeding 1" per foot, the membrane may be installed with side laps running parallel to the direction of roof slope (strapping method). Insulation stops and back nailing are required. Type IV Asphalt is required for slopes exceeding 1".

ROLL DIMENSIONS AND PACKAGING:

- Approximate Nominal Thickness: 160 mils (4.0 mm)
- Approximately Roll Coverage: 97.5 ft² (9.1 m²)
- Side Lap: 3" (76 mm)
- End Lap: 6" (152 mm)
- Roll Length: 33' (10 m)
- Roll Width: 39" (1 m)
- Approximate Roll Weight: 120 lbs. (54.4 kg)
- Rolls per Pallet: 25

STORAGE:

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

PRECAUTIONS:

- Requires dry storage.
- All labels and label tapes must be completely removed prior to installation of product.
- Avoid walking or point loading over the newly installed roofing membrane or during application.
- Cut into 16' sections maximum and allow to relax before placing into adhesive. Do not reroll.

PHYSICAL PROPERTIES:

Physical Property per ASTM D 6163, Type I, Grade G	MD	XD
Tensile – Max Load at 0 ± 3.6°F lbf/in	400	450
Elongation at 0 ± 3.6°F %	5	6
Tensile – Max Load at 73.4 ± 3.6°F lbf/in	300	274
Elongation at 73.4 ± 3.6°F %	19	17
Tear Strength at 73.4 ± 3.6°F lbf	390	390
Low Temperature Flex °F max	-13	-13
Dimensional Stability % max	<0.5	<0.5
Compound Stability Temp °F	250	250
Granule Embedment g/max	<2	<2

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