



PRODUCTS FOR OUR ENVIRONMENT

TECHNICAL DATA SHEET

ERS-551 GR FRL

P/N: 045-0100

For Professional Use Only



PRODUCT DESCRIPTION:

ERS-551 GR FRL 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 glass grid reinforcement for increased tensile strength. ERS-551 GR FRL has a sanded underside with a granulated top and serves 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 hot asphalt or cold adhesive, depending upon roof slope and fire classification requirements.

RECOMMENDED USES:

ERS-551 GR FRL 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 6163, Type II, 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:



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-551GR FRL 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-551 GR FRL shall be lapped with 3" side laps and 6" end laps. Stagger end laps a minimum of 3'.

Cut ERS-551 GR FRL into 16' lengths and allow to relax. Do not reroll. Embed into specified hot asphalt adhesive at a rate of 25 lbs. ± 25% per 100 square feet. Asphalt temperature should not exceed 475°F (246°C) at point of application. Embed loose granules into overrun of adhesive at side laps while adhesive is still hot enough to ensure adhesion.

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: 136 mils (3.4 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: 99 lbs. (44.9 kg)
- Rolls per Pallet: 30

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	200	175
Elongation at 0 ± 3.6°F %	8	8
Tensile – Max Load at 73.4 ± 3.6°F lbf/in	136	134
Elongation at 73.4 ± 3.6°F %	12	10
Tear Strength at 73.4 ± 3.6°F lbf	130	130
Low Temperature Flex °F max	-15	-15
Dimensional Stability % max	<0.1	<0.1
Compound Stability Temp °F	230	230
Granule Embedment g/max	0.8	0.8

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