

SAFEWELD™ 180FR APP

Technical Data Sheet

Product Name: SAFEWELD™ 180FR APP

Classification: APP Modified Bitumen Roof Membrane

Product Description: SAFEWELD™ 180FR APP is a durable fire-resistant, granule surfaced, premium APP (Atactic Polypropylene) cold adhesive applied/hot-air weld membrane. Manufactured with a polyester mat that is saturated and coated with premium quality, non-blown asphaltic bitumen and APP resins for a durable, heat resistant, flexible and easily maintainable membrane. The bottom surface of the sheet is lightly sanded to enable the membrane to be applied with SAFEWELD™ APP Modified Adhesive with hot-air heat welded seams. It is designed for use as a cap membrane in cold applied APP modified bitumen roof systems.

Application Method: SAFEWELD™ 180FR APP is applied using SAFEWELD™ APP Modified Adhesive with hot-air heat welded seams.

Approvals: Meets ASTM D 6222 Type I, Grade G. Contact U.S. Ply, Inc. for specific/applicable codes.

Product Data: SAFEWELD™ 180FR APP (typical)

Thickness: 4.3 mm (170 mils)

Weight: 105 lbs/roll (48 kg/m²)

Roll Dimensions: 39-3/8" x 32' 9" (1m x 10m). Each roll is approximately 108 sq. ft.

Physical Properties (ASTM D 5147):	Test Results	ASTM D 6222 Minimum
Tensile Strength (lbf/in), 0°F, (MD/XMD)	128/114	60 lbf/in
Tensile Strength (lbf/in), 73°F, (MD/XMD)	96/85	50 lbf/in
Elongation (% @ Max Load), 0°F, (MD/XMD)	52/54	10%
Elongation (% @ Max Load), 73°F, (MD/XMD)	45/45	23%
Elongation (% @ 5%, Max Load), 73°F, (MD/XMD)	51/53	3%
Tear Strength (lbf), (MD/XMD), 73°F, minimum	128/122	70 lbf
Low Temperature Flexibility, (°F), maximum	32°F (0°C)	32°F (0°C)
Dimensional Stability, %, maximum	<0.5%	1%
High Temperature Stability, (°F)	230°F (110°C)	230°F (110°C)
Granule Embedment, g, maximum	< 2.0 g	< 2.0 g

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer's representative.

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