

DURAWELD™ 4M APP

Technical Data Sheet

Product Name: DuraWeld™ 4M APP

Classification: APP Modified Bitumen Roof Membrane

Product Description: DuraWeld™ 4M APP is a durable mineral surfaced, premium APP (Atactic Polypropylene) torch applied membrane. Manufactured with a non-woven 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. It is designed for use as a cap membrane in modified bitumen and hybrid built-up roof systems.

Application Method: DuraWeld™ 4M APP is applied using propane torch welding techniques.

Approvals: Meets ASTM D 6222 Type I, Grade G. U.S. Ply products are listed or approved with Underwriter's Laboratories (UL) and Factory Mutual (FM). Contact U.S. Ply, Inc. for specific/applicable codes.

Product Data: DuraWeld™ 4M 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)	135/115	60 lbf/in
Tensile Strength (lbf/in), 73°F, (MD/XMD)	114/85	50 lbf/in
Elongation (% @ Max Load), 0°F, (MD/XMD)	52/56	10%
Elongation (% @ Max Load), 73°F, (MD/XMD)	47/47	23%
Elongation (% @ 5%, Max Load), 73°F, (MD/XMD)	52/53	3%
Tear Strength (lbf), (MD/XMD), 73°F, minimum	134/122	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)
Water Absorption, %, maximum	pass	< 3.2%
Moisture Content, %, maximum	pass	< 1%
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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