



DuraWeld® 4MFR APP ULTRA WHITE

PRODUCT DATA SHEET

DuraWeld® 4MFR APP is a durable, fire-resistant, granule surfaced, premium APP (Atactic-Polypropylene) torch applied membrane with a high reflective white granule. Manufactured with a strong non-woven polyester mat that is saturated and coated with a 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 sheet in modified bitumen roof systems.

Physical Properties (ASTM D5147):	Test Results	ASTM D 6222 Minimum Standard
Tensile Strength (lbf/in), 0°F (MD/XMD)	135/115 lbf/in	60 lbf/in
Tensile Strength (lbf/in), 73°F (MD/XMD)	114/85 lbf/in	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/X)	52/53%	30%
Tear Strength (lbf), (MD/XMD), 73°F, minimum	134/122 lbf	70 lbf
Low Temperature Flexibility, (°F), maximum	32°F (0°C)	32°F
Dimensional Stability, %, maximum	<0.5%	1%
High Temperature Stability, (°F)	230°F (110°C)	230°F
Water Absorption, %, maximum	pass	<3.2%
Moisture Content, %, maximum	pass	<1%
Granule Embedment, g, maximum	<1.5 g	<2.0 g
Solar Reflectance Information		
	Initial	Weathered
Solar Reflectance	0.83	0.55
Thermal Emittance	0.90	0.91
Solar Reflectance Index	104	65
CRRC Rated Product ID	0872.0010	



Product Data: DuraWeld® 4MFR APP (typical)

Thickness: 4.1 mm (161mils)

Weight: 100 lbs/roll (45kg/m2)

Roll Dimensions: 39 3/8" x 32'9" (1mx10m)

Each roll is approximately 1 square applied

Green Standards Information: DuraWeld® 4MFR APP contains approximately 3.2% of recycled materials by product weight. Materials are comprised of post-consumer recycled materials. The post-consumer recycled materials are derived from recycled post-consumer plastics which averts disposal in landfills or commercial dumps

Product Name: DuraWeld® 4MFR APP

Color: Ultra White

Classification: ASTM D 6222 Type I, Grade G. APP Modified Bitumen

Method: Torch Welding Techniques

Approvals: UL Classified with Underwriter's Laboratories (UL), is Factory Mutual (FM) Approved, and listed with Florida Building Code (FBC) FL-14405, Texas Department of Insurance (TDI) RC-123 and is Miami-Dade County Approved. Contact U.S. Ply, Inc. for specific/applicable codes.

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