



DuraWeld® 4MFR APP

PRODUCT DATA SHEET

DuraWeld® 4MFR APP is a durable, fire-resistant, granule surfaced, premium APP (Atactic-Polypropylene) torch applied membrane. 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 maintain-able membrane. It is designed for use as a cap sheet in modified bitumen roof systems.

Physical Properties (ASTM D5147):	Test Results	ASTM D6222 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/XMD)	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



Product Data: DuraWeld® 4MFR APP (typical)

Thickness: 4.1 mm (161 mils)

Weight: 105 lbs/roll (48kg/m²)

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

Each roll is approximately 1 square applied

Product Name: DuraWeld® 4MFR APP

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.

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.

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. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY U.S. PLY, INC. EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



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