

Product Data Sheet

DURAWELD® 5S APP

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%	3%
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%

DuraWeld® 5S APP is a durable smooth 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 maintainable membrane. It is designed for use as a base sheet, interply sheet or cap sheet in modified bitumen roof systems.

Product Name: DuraWeld® 5S APP

Classification: APP Modified Bitumen

Application Method: DuraWeld® 5S APP is applied using torch welding techniques.

Approvals: Meets ASTM D 6222 Type I, Grade S. DuraWeld® 5S APP is UL Classified with Underwriter's Laboratories (UL), is Factory Mutual (FM) Approved, and listed with Florida Building Code (FBC) FL-14405, and Texas Department of Insurance (TDI) RC-123. Contact U.S. Ply, Inc. for specific/applicable codes.

Product Data: DuraWeld® 5S APP (typical)

Thickness: 5.0 mm (180 mils)

Weight: 100 lbs/roll (49 kg/m²)

Roll Dimensions: 39 3/8" x 32' 9" (1m x 10m). Each roll is approximately 1 square applied.

Green Standards Information: DuraWeld® 5S APP Base contains approximately 3.35% 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.



CORPORATE HEADQUARTERS: P.O. BOX 11740, FORT WORTH, TEXAS 76110

TOLL-FREE: 866-PUSH-PLY (866) 787-4759 LOCAL: (817) 413-0103 • FAX: (817) 413-8221
WWW.USPLY.COM