



# DuraWeld® 4S APP

## PRODUCT DATA SHEET

**DuraWeld® 4S 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 system.



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%

**Product Data:** DuraWeld® 4S APP (typical)

**Thickness:** 3.7 mm (145 mils)

**Weight:** 88 lbs/roll (40 kg/m<sup>2</sup>)

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

Each roll is approximately 1 square applied

**Green Standards Information:** DuraWeld® 4S APP contains approximately 3.8% 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.

**Product Name:** DuraWeld® 4S APP

**Classification:** ASTM D 6222 Type I, Grade S. 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.



**PROUDLY**  
MADE IN THE U.S.A.  
BY U.S. PLY, INC.

CORPORATE HEADQUARTERS: P.O. BOX 1182, BRIDGEPORT, TEXAS 76426

PHONE: (817)413-0103 FAX: (817)413-8221

WWW.USPLY.COM

REV MAY 2023