



Product Technical Data Sheet

GAP WaterGuard All-Purpose

Synthetic Roofing Underlayment

Description: GAP WaterGuard All-Purpose Synthetic Roofing Underlayment is a polypropylene two-side coated woven fabric containing a patented slip resistance surface (U.S. Patent # 7745353) and used as a secondary roofing protection, mechanically attached to the roof sheathing and under the primary roofing material.

Product Specifications: White polypropylene woven scrim (UV stabilized), 1.2 mil/1.0 mil average coating weight (beige top/gray bottom), total weight 3.6 oz./yd² (122 g/m²) +/- 5%, and an overall thickness of 8 mil (ASTM D1777). Rolls have a 2" core, 48" (width) x 250' (length) and weight approximately 25 lb. per roll.

Material Performance:

Data (MD – Machine Direction, CD - Cross Direction)

Mullen Burst (ASTM D-3786-01)	215 psi (1481 kPa)
Slip Resistance (ASTM 1679)	>1 (Tribometer)
Grab Tensile (ASTM D-5034-09)	MD 140 lb. (620 N) / CD 125 lb. (555 N)
Strip Tensile (ASTM D-5035-11) – N/5cm	MD 90 lb. (800 N) / CD 125 lb. (701 N)
Tensile Elongation (ASTM D-5035-11)	MD 24% / CD 21%
Tongue Tear (ASTM D-2261.07a)	MD 35 lb. (155 N) / CD 35 lb. (155 N)
Trapezoidal Tear (ASTM 4533-04)	MD 40 lb. (177 N) / CD 30 lb. (133 N)
Moisture Vapor Transmission (ASTM E-96-00)	0.04 perms (0.30 g/day-m ²)
Pliability (ASTM D-146-04)	Pass (no cracking)
Water Ponding (CAN/CSA A220.1)	Pass (no dripping)
Low Temperature Flexibility (ASTM D-1970-01)	Pass (no cracking, 5° F / -15° C)
Operating Temperature Rating	-40° F (-40° C) to 240° F (115° C)
Puncture (T 803)	4.7 joules
UV Weathering	80% of strength after 6 months (UV Stabilized)
Class A Fire Rating (ASTM E-108.2007)	Pass
Florida Building Code Approved	FL 6645
ICC-ES Acceptance for Roof Underlayment	(AC 188) ESR-2185
Hail Resistance Rating (UL 2218)	Pass
Impact Resistance (ASTM D-1709)	Pass
Roofing Underlayments (ASTM D-226)	Pass

Note: We believe that the above statements are reliable and should be used for general guidance purposes only and are not warrants or guarantees for accuracy and completeness. The user must, by test or otherwise, determine suitability for purpose. There is no warrant of fitness for a purpose. Our standard terms and conditions of sale apply exclusively to all orders, and all liability for damages of any kind, including consequential, exceeding purchase price is excluded. No one is authorized by us to make oral warranties. We reserve the right to make changes without notice or obligation in our products or publications. These data should not be considered a specification.