



DURA-SKRIM® 20WW

FOUR-LAYER REINFORCED EXTRUSION LAMINATE



PRODUCT DESCRIPTION

DURA-SKRIM® 20WW consists of outer layers of white high-strength virgin polyethylene film laminated together with a black layer of molten polyethylene. Both outer layers contain UV inhibitors and thermal stabilizers to assure long outdoor life. The white layers are designed to reduce heat build up and condensation, and to provide excellent dimensional stability. A layer of polyester scrim reinforcement placed between these plies greatly enhances tear resistance and increases service life. DURA-SKRIM® 20WW is reinforced with a high strength scrim reinforcement laid in a diagonal pattern spaced 3/8" apart for uniform tear resistance in both machine and transverse directions with an additional machine direction scrim every 3" across the width for increased stability.

APPLICATIONS

- ▶ Crawlspace Vapor Barrier
- ▶ CrawlSpace Encapsulation
- ▶ Modular Tank Liners
- ▶ Remediation Liners
- ▶ Remediation Covers
- ▶ Erosion Control Covers
- ▶ Vapor Retarders
- ▶ Earthen Liners

PRODUCT USE

DURA-SKRIM® 20WW is used in applications that require exceptional outdoor life and demand high puncture and tear strengths. DURA-SKRIM® 20WW is manufactured from virgin polyethylene and provides an opaque white surface for applications where an aesthetically clean membrane is an important performance characteristic.

SIZE AND PACKAGING

DURA-SKRIM® 20WW is available in a variety of widths in 6ft increments and fabricated panels up to 80,000 square feet. All panels are manufactured in a quality controlled environment and are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time-saving installation.

Dura Skrim 20WW is manufactured with virgin resins. All resins used in food contact layer are FDA 21CFR177.1520 (c) 3.2 compliant.



DURA-SKRIM®

SPECIFICATIONS

PROPERTIES	TEST METHOD
Appearance	
Thickness	ASTM D5199
Weight	ASTM D751
Construction	
² Grab Tensile	ASTM D7004
² Grab Tensile Elongation	ASTM D7004
² 1" Tensile Strength	ASTM D7003
² Elongation at Film Break	ASTM D7003
³ Tongue Tear	ASTM D5884
CBR Puncture Resistance	ASTM D6241
Mullen Burst	ASTM D751
High Pressure OIT	ASTM D5885
WVTR	ASTM E96
Perm Temperature	ASTM E96
Hydraulic Conductivity	ASTM E96
Maximum Static Use Temperature	
Minimum Static Use Temperature	

DURA-SKRIM® 20WW			
IMPERIAL		METRIC	
MINIMUM	TYPICAL	MINIMUM	TYPICAL
White/White			
17 Mil Average	20 Mil Nominal	0.43 mm Average	0.51 mm Nominal
94 lbs/MSF	97 lbs/MSF	459 g/m ²	474 g/m ²
Extrusion laminated with scrim reinforcement			
114 lbs	143 lbs	507 N	636 N
15 %	17 %	15 %	17 %
78 lbs/in	92 lbs/in	137 N/cm	161 N/cm
100 %	700 %	100 %	700 %
53 lbs	63 lbs	236 N	280 N
320 lbs	350 lbs	1423 N	1557 N
130 psi	170 psi	896 kPa	1172 kPa
1000 min	2600 min	1000 min	2600 min
N/A	0.009 grains/ft ² •hr	N/A	0.151 g/m ² •day
N/A	0.022 Perms	N/A	0.0145 g/m ² •day•mm Hg
1.77x10 ⁻¹⁰ cm/sec			
180° F		82° C	
-70° F		-57° C	

² Tests are an average of primary reinforcement directions.

³ Tests are an average of machine and transverse directions.

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NOTE: The information provided herein is based upon data believed to be reliable. All testing is performed in accordance with ASTM standards and procedures. All values are typical and nominal and do not represent either minimum or maximum performance of the product. Although the information is accurate to the best of our knowledge and belief, no representation of warranty or guarantee is made as to the suitability or completeness of such information. Likewise, no representation of warranty or guarantee, express or implied, or merchantability, fitness or otherwise, is made as to product application for a particular use.

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