

DURA•SKRIM® R20WW

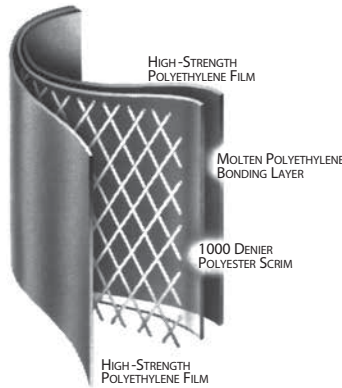
Four-Layer Reinforced Extrusion Laminate

RAVEN

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Product Description

DURA•SKRIM® R20WW 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's heavy-duty diamond reinforcement responds to tears immediately by surrounding and stopping the tear.



Landfill Cover

Product Use

DURA•SKRIM® R20WW is used in applications that require exceptional outdoor life and demand high puncture and tear strengths. DURA•SKRIM® R20WW is manufactured from virgin polyethylene and provides an opaque white surface for applications where an aesthetically clean membrane is an important performance characteristic.

Size & Packaging

DURA•SKRIM® R20WW is available in a variety of widths and lengths. Panel sizes up to 60,000 square feet are available. All panels are accordion folded every six feet and tightly rolled on a heavy-duty core for ease of handling and time-saving installation.



Product

Part

DURA•SKRIM R20WW R20WWK

APPLICATIONS

- | | |
|---------------------------|------------------------|
| Modular Tank Liners | Remediation Covers |
| Daily Landfill Covers | Erosion Control Covers |
| Remediation Liners | Vapor Retarders |
| Earthen Liners | Landfill Caps |
| Interim Landfill Covers | Aquaponic Liners |
| Shrimp & Fish Pond Liners | |

PROPERTIES	TEST METHOD	DURA♦SKRIM R20WW	
		Imperial	Metric
APPEARANCE		White/White	
THICKNESS, NOMINAL		20 mil	0.51 mm
WEIGHT		97 lbs/MSF 14 oz./yd ²	475 g/m ²
CONSTRUCTION		Extrusion laminated with scrim reinforcement	
1" TENSILE STRENGTH	ASTM D7003	90 lbf/in	158 N/cm
TENSILE ELONGATION AT SCRIM BREAK	ASTM D7003	16 %	16 %
TENSILE ELONGATION AT FILM BREAK	ASTM D7003	760 %	760 %
GRAB TENSILE	ASTM D7004	140 lbf	623 N
CBR PUNCTURE RESISTANCE	ASTM D6241	340 lbf	1512 N
**TONGUE TEAR	ASTM D5884	63 lbf	280 N
*TRAPEZOID TEAR	ASTM D4533	85 lbf	378 N
MULLEN BURST	ASTM D751	170 psi	1172 kPa
MAXIMUM USE TEMPERATURE		180°F	82°C
MINIMUM USE TEMPERATURE		-70°F	-57°C
WVTR	ASTM E96 Procedure B	0.130 grains/(100in ² -day)	0.132 g/(m ² -day)
PERM RATING	ASTM E96 Procedure B	0.019 Perms grains/(ft ² -hr-in Hg)	0.013 Perms g/(24hr-m ² -mm Hg)

* Tests are an average of diagonal directions.

** Tests are an average of MD & TD directions.



DURA♦SKRIM® R20WW is a white four-layer reinforced extrusion laminate. The outer layers consist of high-strength, virgin, linear low density polyethylene film. The white layers contain U.V. and thermal stabilizers.

DURA♦SKRIM® R20WW is reinforced with a ply of a 1000 denier polyester scrim laid in a diagonal pattern spaced 3/8" apart with an additional machine direction scrim every 3" across the width. The individual plies are laminated together with black molten polyethylene.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. RAVEN INDUSTRIES MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage. Limited Warranty available at www.RavenEFD.com



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