

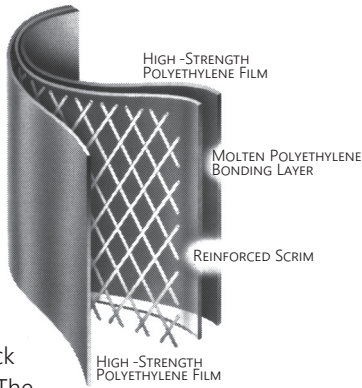
DURA♦SKRIM® 8BB, 8WB, 12BB & 12WB

FOUR-LAYER REINFORCED EXTRUSION LAMINATE



PRODUCT DESCRIPTION

DURA♦SKRIM® 8BB, 8WB, 12BB and 12WB consist of two sheets of high-strength polyethylene film laminated together with a third layer of molten polyethylene. The white outer layer (DURA♦SKRIM® 8WB and 12WB) contains UV inhibitors and thermal stabilizers and the black outer layer(s) contains carbon black to enhance outdoor life. The white outer layer is also designed to reduce heat build up and condensation. A heavy 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.



PRODUCT USE

DURA♦SKRIM® 8 and 12 are used in more demanding applications requiring high tear resistance. Please inquire about DURA♦SKRIM® R8BV and R12BV for long-term applications up to 5 years, meeting GRI-GM22 Standard Specifications for scrim reinforced geomembranes used in exposed, temporary applications.

SIZE & PACKAGING

DURA♦SKRIM® 8BB, 8WB, are available in a variety of widths up to 125,000 square feet and up to 80,000 square feet in 12BB and 12WB. All panels are accordion folded and tightly rolled on a heavy-duty core for ease of handling and time-saving installation.



Temporary Rain Shed Cover

PRODUCT

PART

DURA♦SKRIM® 8BB.....	R8BBR
DURA♦SKRIM® 8WB.....	R8WBK
DURA♦SKRIM® 12BB.....	R12BBR
DURA♦SKRIM® 12WB.....	R12WBK

APPLICATIONS

Cargo Coverings	Remediation Covers or Liners
Interim Landfill Covers	Pit/Pond Liners
Daily Landfill Covers	Underslab Vapor Retarders
Temporary Erosion Control	Temporary Earthen Liners
Divider Curtains	Temporary Rainshed Covers

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PROPERTIES	TEST METHOD	DURA♦SKRIM 8BB & 8WB		DURA♦SKRIM 12BB & 12WB	
		IMPERIAL	METRIC	IMPERIAL	METRIC
APPEARANCE		Black/Black or White/Black		Black/Black or White/Black	
THICKNESS, NOMINAL		8 mil	0.20 mm	12 mil	0.30 mm
WEIGHT		34 lbs/MSF 4.9 oz/yd ²	166 g/m ²	55 lbs/MSF 7.9 oz./yd ²	269 g/m ²
CONSTRUCTION		Extrusion laminated with scrim reinforcement			
² 1" TENSILE STRENGTH	ASTM D7003	62 lbf/in	108 N/cm	76 lbf/in	133 N/cm
² ELONGATION AT FILM BREAK	ASTM D7003	500 %	500 %	578 %	578 %
² ELONGATION AT SCRIM BREAK	ASTM D7003	15 %	15 %	14 %	14 %
² GRAB TENSILE	ASTM D7004	84 lbf	374 N	100 lbf	445 N
³ TONGUE TEAR	ASTM D5884	39 lbf	173 N	54 lbf	240 N
CBR PUNCTURE RESISTANCE	ASTM D6241	208 lbf	925 N	276 lbf	1228 N
MULLEN BURST	ASTM D751	80 psi	552 kPa	107 psi	738 kPa
¹ TRAPEZOID TEAR	ASTM D4533	50 lbf	222 N	59 lbf	262 N
MAXIMUM STATIC USE TEMPERATURE		180° F	82° C	180° F	82° C
MINIMUM STATIC USE TEMPERATURE		-70° F	-57° C	-70° F	-57° C
WVTR	ASTM E96 Procedure B	0.016 grains/(ft ² -hr)	0.268 g/(m ² -day)	0.010 grains/(ft ² -hr)	0.161 g/(m ² -day)
PERM RATING	ASTM E96 Procedure B	0.037 Perms grains/(ft ² -hr-in Hg)	0.024 Perms g/(24hr·m ² -mm Hg)	0.023 Perms grains/(ft ² -hr-in Hg)	0.015 Perms g/(24hr·m ² -mm Hg)

¹ Tests are an average of diagonal directions.

² Tests are an average of primary reinforcement directions.

³ Tests are an average of machine and transverse directions.

Hydraulic conductivity values are derived from permeability data. R8BBR = 3.14×10^{-10} cm/sec, R8WBK = 3.14×10^{-10} cm/sec, R12WBK = 1.85×10^{-10} cm/sec, and R12BB = 1.85×10^{-10} cm/sec.

DURA♦SKRIM®

DURA♦SKRIM® 8BB, 8WB, 12BB and 12WB are four-layer reinforced extrusion laminates. The black outer layers consist of a high-strength polyethylene film containing carbon black. The white sides contain UV and thermal stabilizers. DURA♦SKRIM® 8 and 12 mil are reinforced with a heavy-duty scrim laid in a diagonal pattern with an additional machine direction scrim every 3" across the width. The individual plies are laminated together with 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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