



LEXBASE G S

2 IN 1 ROOF COMPOSITE PANEL

DESCRIPTION

An insulation overlay-protection board composed of a heavy duty non-woven polyester modified bitumen base sheet membrane, enhanced with glass fiber strands and selected SBS, factory laminated to a non-combustible water resistant, silicone treated fiberglass mat gypsum core roofing board.



TECHNICAL DATA

Width x Length	Total Weight	Total Thickness
914 mm x 2438 mm x 6.35 mm (3' x 8' x 1/4")	18 kg (40 lbs)	8.55 mm (0.34")
914 mm x 4876 mm x 6.35 mm (3' x 16' x 1/4") - fan fold	36 kg (80 lbs)	8.55 mm (0.34")
914 mm x 2438 mm x 12.7 mm (3' x 8' x 1/2")	36 kg (80 lbs)	14.9 mm (0.59")
914 mm x 4876 mm x 12.7 mm (3' x 16' x 1/2") - fan fold	72.5 kg (160 lbs)	14.9 mm (0.59")

APPLICATION

Lexbase G S is used as an insulation overlay-protection board in the field of the roof or parapet upstands in the roofing system. The composite board can be adhered with selected adhesives, hot asphalt or mechanically fastened. For more information on the securement patterns and proper adhesives, please consult your Lexcor representative.

SILICONE TREATED FIBERGLASS MAT GYPSUM		
Property	1/4"	1/2"
Surfacing	Fiberglass mat	Fiberglass mat
Flexural Strength ¹ , parallel, N (lbf.) min.	178 (≥40)	356 (≥80)
Flute Spanability ²	67 mm (2-5/8")	127 mm (5")
Permeance ³ , ng/Pa·S·m ² (Perms)	>2850 (>50)	<1995 (>35)
R Value ⁴ , m ² ·K/W (ft ² ·°F·hr/BTU)	.28	.56
Linear Variation with Change in Temp., mm/mm/°C (in/in °F)	15.3x10 ⁻⁶ (8.5x10 ⁻⁶)	15.3x10 ⁻⁶ (8.5x10 ⁻⁶)
Linear Variation with Change in Moisture	6.25x10 ⁻⁶	6.25x10 ⁻⁶
Water Absorption ⁵ , % max	<10.0	<10.0
Compressive Strength ⁶ , psi nominal	900	900
Surface Water Absorption, grams, nominal ¹	<2.0	<2.0
Flame Spread, Smoke Developed (ASTM E84, UL 723, CAN/ULC-S102)	0/0	0/0
Fire Classification	UL certified FM Approved	UL certified FM Approved
Bending Radius	4' (1219 mm)	6' (1829 mm)

MEMBRANE	
Membrane Reinforcement	180 g/m ²
Upper Side	Sanded surface
Cold Flex	Pass, °C (°F) (ASTM D-6164)
Tensile Strength MD and XD	Pass, kN/m (lbf/in) (ASTM D-6164)
Tensile Tear MD and XD	Pass, N (lbf) (ASTM D-6164)
Ultimate Elongation MD and XD	Pass, % (ASTM D-6164)
Tear Strength MD and XD	Pass, N (lbf) (CGSB-37.56-M)
Lap Strength, 5D to 23°C MD and XD	Pass, kN/m (lbf/in) (CGSB-37.56-M)
Strain Energy, 5D to 23°C MD and XD	Pass, kN/m (CGSB-37.56-M)
Static Puncture	Pass, N (lbf) (CGSB-37.56-M)

Notes:

¹ Tested in accordance with ASTM C473, method B.

² Tested in accordance with ASTM E661.

³ Tested in accordance with ASTM E96 (dry cup method).

⁴ Tested in accordance with ASTM C518 (heat flow meter).

⁵ Specified values per ASTM C1177.

⁶ Tested in accordance with ASTM C473

*Storage: This product should always be covered to be protected from inclement weather.

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