

LEXCOR

LEXBARI-R

2 IN 1 ROOF COMPOSITE PANEL

DESCRIPTION & USE

A thermal and vapour barrier board composed of a heavy duty non-woven polyester modified bitumen vapour barrier membrane, enhanced with glass fiber strands and selected SBS, factory laminated to a glass mat roof board with coated fiberglass facers and an enhanced mold-resistant gypsum core. Lexbari-R is used as a thermal barrier-vapour barrier on a steel deck within a roof assembly.



TECHNICAL DATA

Width x Length	Total Weight	Total Thickness
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") - folded in half	72.5 kg (160 lbs)	14.9 mm (0.59")
914 mm x 2438 mm x 15.9 mm (3' x 8' x 5/8")	45 kg (99 lbs)	18.2 mm (0.715")

GLASS MAT GYPSUM ROOF BOARD	
Property	1/2"
Surfacing	Coated Fiberglass
Flexural Strength ¹ , parallel	≥ 356 N (80 lbf)
Humidified Deflection ¹	≤ 6.4 mm (2/8")
Hardness ¹	≥ 67 N (15 lbf)
Combustibility ²	Non-combustible
Flame Spread / Smoke Development ³	0/0
Thermal Resistance ⁴	R = 0.43
Water absorption ⁴ (% of Weight)	≤ 10 %
Permeance ⁵	24 perms
Flute Spanability ⁶	127 mm (5")
Compressive Strength ⁷	900 psi
Mold Resistance ⁸	Score of 10
Fire Classification	UL certified FM Approved
Bending Radius	1829 mm (6')

¹ Specified values per ASTM C1177, tested in accordance with ASTM C473.

² Tested in accordance with ASTM E136.

³ Tested in accordance with ASTM E84.

⁴ Tested in accordance with ASTM C518.

⁵ Tested in accordance with ASTM E96.

⁶ Specified values per ASTM E661.

⁷ Tested in accordance with ASTM C473, annex X3.

⁸ Tested in accordance with ASTM D3273.

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



TESTED
ACCORDING TO
CSA A123.21
STANDARD



INSTALLATION

The composite board can be adhered with selected adhesives or mechanically fastened. For more information on the securement patterns and proper adhesives, please consult your Lexcor representative.

STORAGE

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

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COMMERCIAL BUILDING PRODUCTS

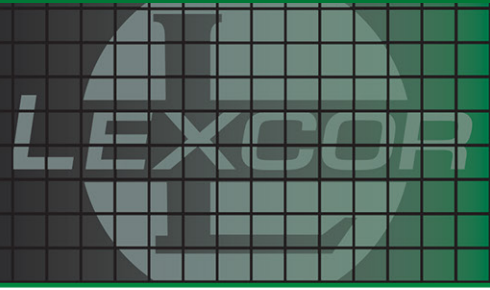
Ontario & Western Canada
1.800.268.2889



Quebec & Atlantic Canada
1.800.363.2307

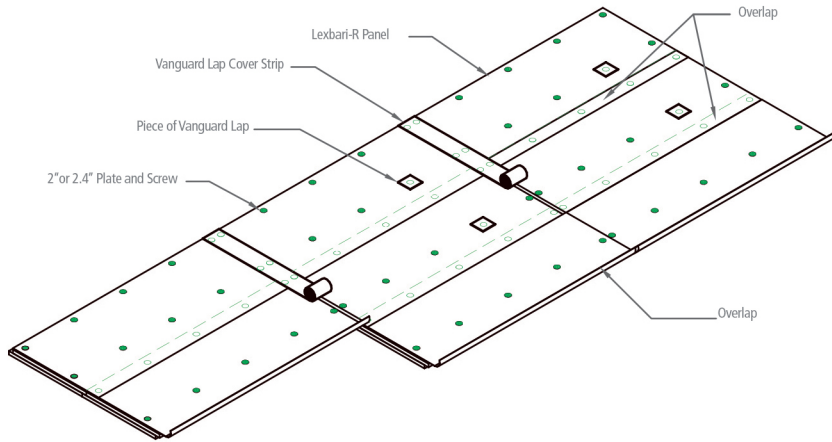
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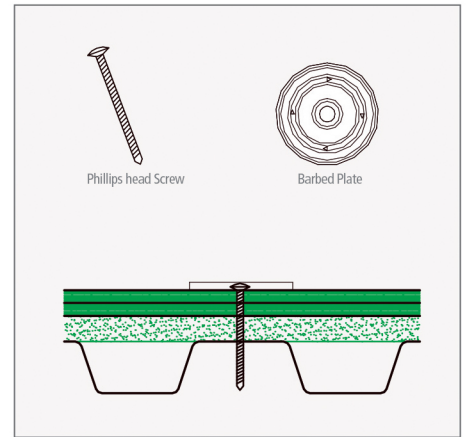


INSTALLATION DIAGRAM FOR MECHANICAL FASTENING

DETAIL # 1

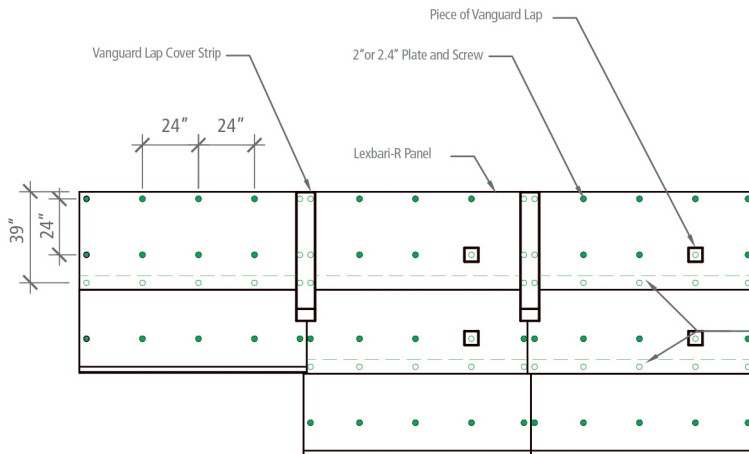


DETAIL # 3



Vanguard Lap cover Strip is **required** even if the cap sheet is installed in the same day.

DETAIL # 2



Mechanical fasteners must penetrate at least $\frac{3}{4}$ " in steel deck, 1" in wood deck and $\frac{1}{2}$ " in plywood deck. For steel deck, the fastener must penetrate the deck on the higher part of the flute (see detail 3). Use 2" (50 mm) or 2.4 (60 mm) barbed steel plates depending on the application. Fasteners should be placed at a minimum 1" of the edge of the panel to provide adequate support.