

# LEXCOR

## LEXBASE G S

### 2 IN 1 ROOF COMPOSITE PANEL

#### DESCRIPTION & USE

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 glass mat roof board with coated fiberglass facers and an enhanced mold-resistant gypsum core. LEXBASE G S is used as an insulation overlay-protection board in the field of the roof or parapet upstands in the roofing system.

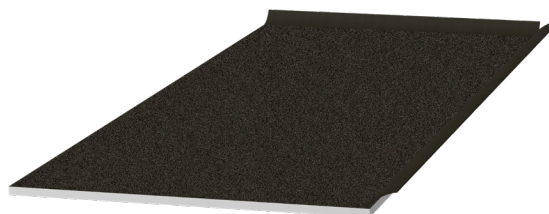
#### TECHNICAL DATA

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)	8.64 mm (0.34")
914 mm x 4876 mm x 6.35 mm (3' x 16' x 1/4") - folded in half	36 kg (80 lbs)	8.64 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") - folded in half	72.5 kg (160 lbs)	14.9 mm (0.59")

Reinforcement Membrane	180 g/m <sup>2</sup>
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 (MD and XD) 5D to 23°C (73.4 °F)	Pass, kN/m (lbf/in) (CGSB-37.56-M)
Strain Energy (MD and XD) 5D to 23°C (73.4 °F)	Pass, kN/m (CGSB-37.56-M)
Static Puncture	Pass, N (lbf) (CGSB-37.56-M)

#### STORAGE

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



Glass Mat Gypsum Roofing Board		
Property	6.35 mm (1/4")	12.7 mm (1/2")
Surfacing	Coated Fiberglass	Coated Fiberglass
Flexural Strength <sup>1</sup> , parallel	≥ 178 N (40 lbf)	≥ 356 N (80 lbf)
Humidified Deflection <sup>1</sup>	N/A	≤ 6.4 mm (2/8")
Hardness <sup>1</sup>	≥ 67 N (15 lbf)	≥ 67 N (15 lbf)
Combustibility <sup>2</sup>	Non-combustible	Non-combustible
Flame Spread <sup>3</sup> Smoke Development <sup>3</sup>	0 0	0 0
Thermal Resistance <sup>4</sup>	R=0.23	R=0.23
Water absorption <sup>4</sup> (% of Weight)	≤ 10 %	≤ 10 %
Permeance <sup>5</sup>	25 perms	24 perms
Flute Spanability <sup>6</sup>	66.7 mm (2-5/8")	127 mm (5")
Compressive Strength <sup>7</sup>	900 psi	900 psi
Mold Resistance <sup>8</sup>	Score of 10i	Score of 10
Fire Classification	UL certified FM Approved	UL certified FM Approved
Bending Radius	1219 mm (4')	1829 mm (6')

<sup>1</sup> Specified values per ASTM C1177, tested in accordance with ASTM C473.

<sup>2</sup> Tested in accordance with ASTM E136.

<sup>3</sup> Tested in accordance with ASTM E84.

<sup>4</sup> Tested in accordance with ASTM C518.

<sup>5</sup> Tested in accordance with ASTM E96.

<sup>6</sup> Specified values per ASTM E661.

<sup>7</sup> Tested in accordance with ASTM C473, annex X3.

<sup>8</sup> Tested in accordance with ASTM D3273.

#### INSTALLATION

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.



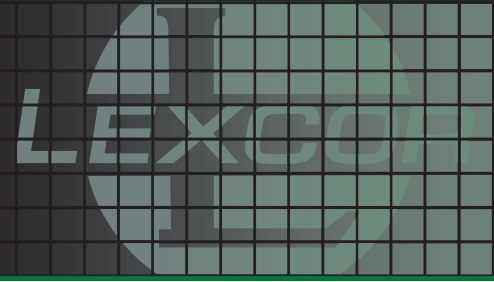
#### COMMERCIAL BUILDING PRODUCTS

Ontario & Western Canada 1.800.268.2889 / Quebec & Atlantic Canada 1.800.363.2307

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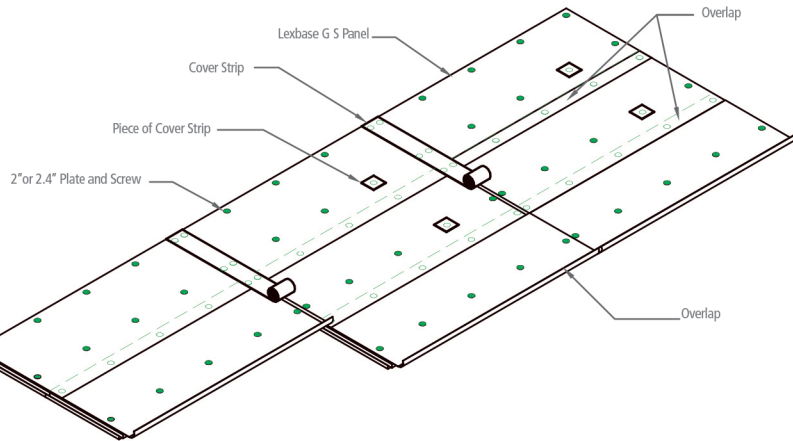
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## INSTALLATION DIAGRAM FOR MECHANICAL FASTENING

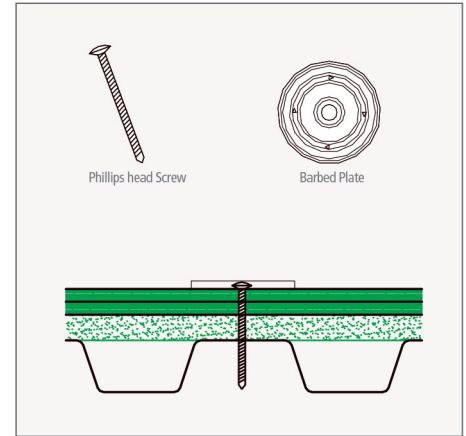


### INSTALLATION DIAGRAM FOR MECHANICAL FASTENING

DETAIL #1

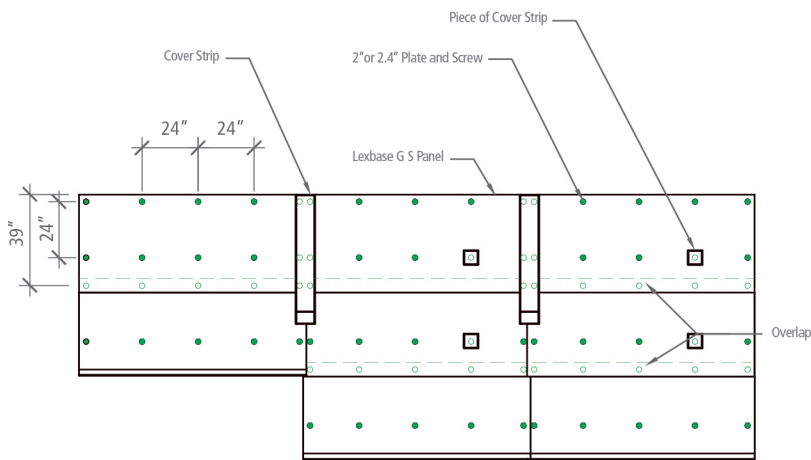


DETAIL #3



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, 25.4 mm (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 50 mm (2") or 60 mm (2.4") 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.



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