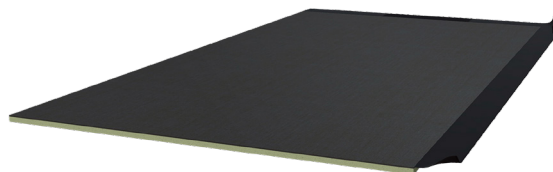


LEXBASE R+

2 IN 1 ROOF COMPOSITE PANEL

DESCRIPTION & USE

An insulation overlay-protection board composed of a modified bituminous base sheet membrane, factory laminated to a high density polyisocyanurate board. The base sheet membrane is made of either glass fibre mat or heavy duty non-woven polyester, enhanced with glass fiber strands and selected SBS modified bitumen for superior flexibility and stability. This panel includes a 76 mm (3") self-adhesive overlap strip and 38 mm (1 1/2") protective strip.



TECHNICAL DATA

Type	Width x Length	Total Weight	Total Thickness
95 R+	914 mm x 2438 mm x 12.70 mm (3' x 8' x 1/2")	9 kg (20 lbs)	14.9 mm (0.59")
180 R+	914 mm x 2438 mm x 12.70 mm (3' x 8' x 1/2")	10 kg (22 lbs)	14.9 mm (0.59")
180 R+	914 mm x 4876 mm x 12.70 mm (3' x 16' x 1/2") - fan fold	20 kg (44 lbs)	14.9 mm (0.59")

Polyisocyanurate Roofing Board	
Property	12.70 mm (1/2")
Thermal Resistance (ASTM C-518 @ 23.88 °C (75°F) mean temp.) for 12.70 mm (1/2") thickness	RSI-0.44 (R-2.5)
Moisture Vapour Transmission (ASTM E-96)	< 1.00 perm (85 ng/Pa·s·m ²)
Compressive Strength (ASTM D-1621) 10% Deformation	> 621 kPa (> 90 lbs/in ²)
Water Absorption (ASTM C-209)	1%
Dimensional Stability Length & Width (ASTM D-2126)	< 2%
Tensile Strength (ASTM C-1623)	> 35 kPa (730 psf)
Flame Spread (ASTM E-84) evaluation on a 10 minute period	40-60
Smoke Development (ASTM E-84) evaluation on a 10 minute period	50-170

APPLICATION

LEXBASE R+ is used as an insulation overlay-protection board and base sheet in the roofing system. It 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.

APPROVALS & COMPLIANCES

- CAN/ULC S-126M
- This product is eligible for use in certain CSA 123 assemblies

Composite Panel

Standard 4450/ 4470 under Class 1 for insulated construction of steel, wood, concrete gypsum for 1-60 and 1-90 classifications (high winds) Patent no. 2.001.005

LEXBASE R+ Panel with Cap Sheet

UL Class C Fully adhered (ref. TGFUC.R16778) CAN/ULC-S107



CGSB 37.56-M
(9th DRAFT)

TESTED
ACCORDING TO
CSA A123.21
STANDARD



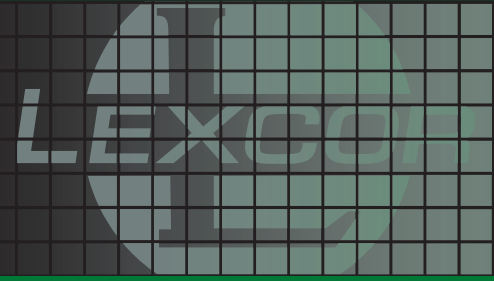
COMMERCIAL BUILDING PRODUCTS

Ontario & Western Canada 1.800.268.2889 / Quebec & Atlantic Canada 1.800.363.2307

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LEXBASE R+

2 IN 1 ROOF COMPOSITE PANEL



Reinforcement Membrane	95 g/m ²	180 g/m ²
Upper Side	Heat-weldable surface	Heat-weldable surface)
Cold Flex	Pass, °C (°F) (ASTM D-6164)	Pass, °C (°F) (ASTM D-6164)
Tensile Strength (MD and XD)	Pass, kN/m (lbf/in) (ASTM D-6164)	Pass, kN/m (lbf/in) (ASTM D-6164)
Tensile Tear (MD and XD)	Pass, N (lbf) (ASTM D-6164)	Pass, N (lbf) (ASTM D-6164)
Ultimate Elongation (MD and XD)	Pass, % (ASTM D-6164)	Pass, % (ASTM D-6164)
Tear Strength (MD and XD)	Pass, N (lbf) (CGSB-37.56-M)	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)	Pass, kN/m (lbf/in) (CGSB-37.56-M)
Strain Energy (MD and XD) 5D to 23°C (73.4 °F)	N/D	Pass, kN/m (CGSB-37.56-M)
Static Puncture	N/D	Pass, N (lbf) (CGSB-37.56-M)

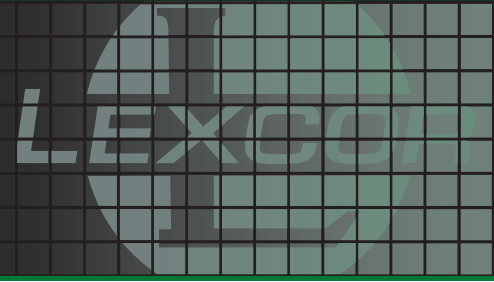


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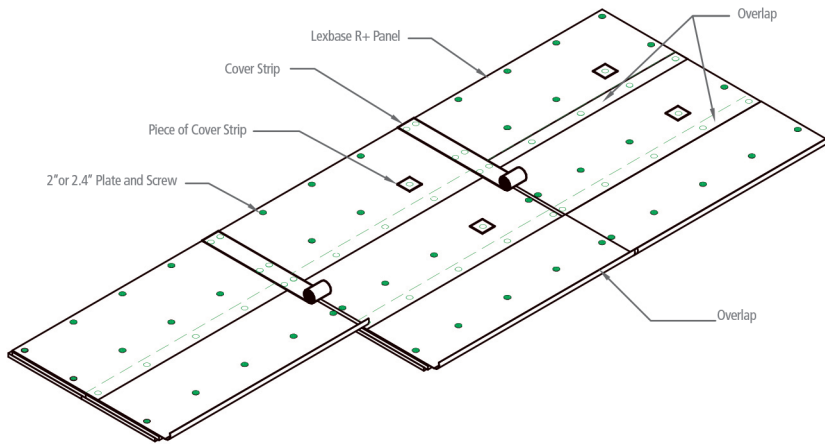
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LEXBASE R+ INSTALLATION DIAGRAM FOR MECHANICAL FASTENING

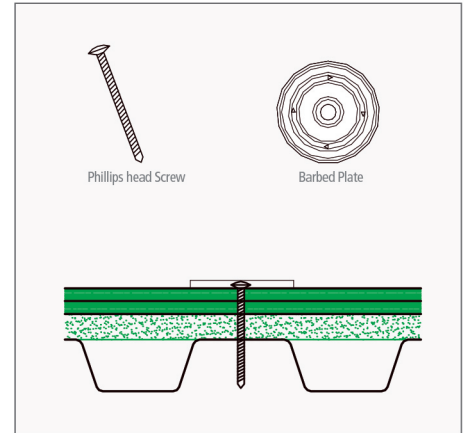


INSTALLATION DIAGRAM FOR MECHANICAL FASTENING

DETAIL #1

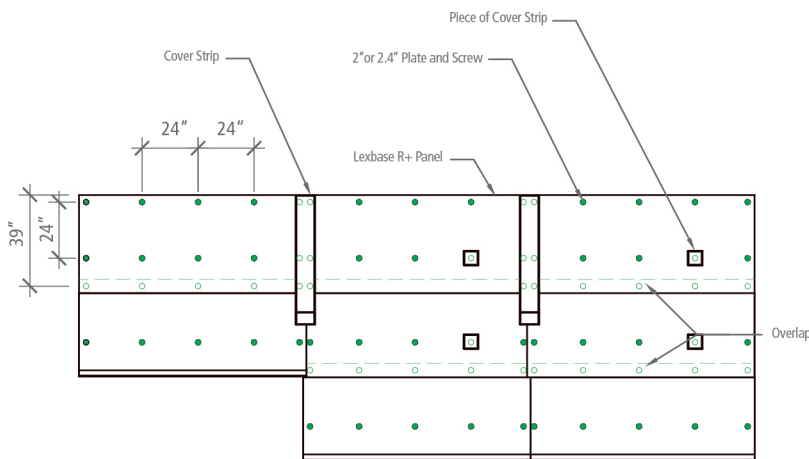


DETAIL #3



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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