



LEXBASE R+ S

2 IN 1 ROOF COMPOSITE PANEL

DESCRIPTION

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.



TECHNICAL DATA

Type	Width x Length	Total Weight	Total Thickness
95 R+ S	914 mm x 2438 mm x 12.7 mm (3' x 8' x 1/2")	9 kg (20 lbs)	14.9 mm (0.59")
180 R+ S	914 mm x 2438 mm x 12.7 mm (3' x 8' x 1/2")	10 kg (22 lbs)	14.9 mm (0.59")
180 R+ S	914 mm x 4876 mm x 12.7 mm (3' x 16' x 1/2") - fan fold	20 kg (44 lbs)	14.9 mm (0.59")

APPLICATION

LEXBASE R+ S 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.

POLYISOCYANURATE ROOFING BOARD	
Property	1/2"
Thermal Resistance (ASTM C-518 @ 75°F mean temp.) for 12.70 mm (1/2") thickness	R-2.5 (RSI-0.53)
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

REINFORCEMENT MEMBRANE	95 g/m ²	180 g/m ²
Upper Side	Sanded surface	Sanded 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, 5D to 23°C MD and XD	Pass, kN/m (lbf/in) (CGSB-37.56-M)	Pass, kN/m (lbf/in) (CGSB-37.56-M)
Strain Energy, 5D to 23°C MD and XD	N/D	Pass kN/m (CGSB-37.56-M)
Static Puncture	N/D	Pass, N (lbf) (CGSB-37.56-M)

APPROVALS & COMPLIANCES

CAN/ULC S-126M

Composite Panel: 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+ S Panel with Cap Sheet: UL Class C Fully adhered (ref. TGFUC.R16778) CAN/ULC-S107

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