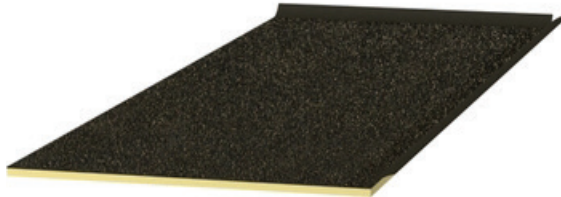


LEXBASE XD S

2 IN 1 ROOF COMPOSITE PANEL

DESCRIPTION

An insulation overlay-protection board composed of a modified bituminous base sheet membrane, factory laminated to a 6.35 mm (1/4") 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 XD S	914 mm x 2438 mm x 6.35 mm (3' x 8' x 1/4")	9 kg (20 lbs)	8.55 mm (0.59")
180 XD S	914 mm x 2438 mm x 6.35 mm (3' x 8' x 1/4")	10 kg (22 lbs)	8.55 mm (0.59")
180 XD S	914 mm x 4876 mm x 6.35 mm (3' x 16' x 1/4") - fan fold	20 kg (44 lbs)	8.55 mm (0.59")

APPLICATION

LEXBASE XD 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	1/4"
Thermal Resistance (ASTM C-518) for 6.35 mm (1/4") thickness	R-1.2 (RSI-0.21)
Compressive Strength (ASTM D-1621)	> 1034 kPa (> 150 PSI)
Flexural Strength (D 1037) Modulus of Rupture, psi (kPa), nom / Breakload, lbf (kN), nom	1500 (10,343) / 25 (0.111)
Dimensional Stability; (ASTM D-2126) % Linear Change, max	< 1%
Moisture Vapour Permeance (ASTM E96)	<1.00 perm (<57.5 ng/Pa*s*m ²)
Water Absorption (C-209) % by vol, max	<4.0
Surface Water Absorption (C-473) gram, max	<1
Mold Resistance (D-3273)	Pass
Flame Spread Index (ASTM E-84) Evaluation on a 10 minute period	40
Smoke Development (ASTM E-84) Evaluation on a 10 minute period	60

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

Lexbase XD S Panel with Cap Sheet:

UL Class C Fully adhered (ref. TGFUC.R16778)

CAN/ULC-S107

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

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