

# LEXBASE FR

## 2 IN 1 ROOF COMPOSITE PANEL

### DESCRIPTION

An insulation overlay-protection board composed of a modified bituminous base sheet membrane, factory laminated to a fire-retardant fibreboard panel. 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 FR	914 mm x 2438 mm x 12.7 mm (3' x 8' x 1/2")	15 kg (33 lbs)	14.9 mm (0.59")
180 FR	914 mm x 2438 mm x 12.7 mm (3' x 8' x 1/2")	16 kg (35 lbs)	14.9 mm (0.59")
180 FR	914 mm x 4876 mm x 12.7 mm (3' x 16' x 1/2") - fan fold	32 kg (71 lbs)	14.9 mm (0.59")

### APPLICATION

LEXBASE FR 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.

FIRE RESISTANT FIBREBOARD		REINFORCEMENT MEMBRANE	95 g/m <sup>2</sup>	180 g/m <sup>2</sup>
<b>Property</b>	<b>1/2"</b>	<b>Upper Side</b>	Heat-weldable surface	Heat-weldable surface
<b>Linear Expansion (ASTM C-209)</b>	0.10 %	<b>Cold Flex</b>	Pass, °C (°F) (ASTM D-6164)	Pass, °C (°F) (ASTM D-6164)
<b>Compressive Strength (ASTM C-165) at 10% Deformation</b>	34.8 lbs/in <sup>2</sup>	<b>Tensile Strength MD and XD</b>	Pass, kN/m (lbf/in) (ASTM D-6164)	Pass, kN/m (lbf/in) (ASTM D-6164)
<b>at 25% Deformation</b>	51 lbs/in <sup>2</sup>	<b>Tensile Tear MD and XD</b>	Pass, N (lbf) (ASTM D-6164)	Pass, N (lbf) (ASTM D-6164)
<b>R-Value (ASTM C-518)</b>	1.55 (1/2")	<b>Ultimate Elongation MD and XD</b>	Pass, % (ASTM D-6164)	Pass, % (ASTM D-6164)
<b>Water Absorption (ASTM C-209)</b>	3.5%	<b>Tear Strength MD and XD</b>	Pass, N (lbf) (CGSB-37.56-M)	Pass, N (lbf) (CGSB-37.56-M)
<b>Density (ASTM D-1037)</b>	232 kg/m <sup>3</sup> (14.5 lbs/pi <sup>3</sup> )	<b>Lap Strength, 5D to 23°C MD and XD</b>	Pass, kN/m (lbf/in) (CGSB-37.56-M)	Pass, kN/m (lbf/in) (CGSB-37.56-M)
<b>Transversal Force at Break (ASTM C-209)</b>	40 N (9.0 lbs)	<b>Strain Energy, 5D to 23°C MD and XD</b>	N/D	Pass kN/m (CGSB-37.56-M)
<b>Flame Spread (ULC S-102 / ULC S-102.2)</b>	< 25 / < 25	<b>Static Puncture</b>	N/D	Pass, N (lbf) (CGSB-37.56-M)
<b>Smoke Development (ULC S-102 / ULC S-102.2)</b>	< 30 / < 30			
<b>Tensile Strength, Perpendicular to Surface (ASTM C-209)</b>	761 lbs/ft <sup>2</sup> (min) 36.5 kPa (min)			
<b>Parallel to Surface (ASTM C-209)</b>	187 lbs/in <sup>2</sup> (1.29 MPa)			

### APPROVALS & COMPLIANCES

**ULC evaluation results:**  
FIRE RESISTANT FIBREBOARD PANEL  
CAN/ULC-S706 standards

**FM classification results:**  
FIRE RESISTANT FIBREBOARD PANEL  
Class 1, 4470 Norm

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