



# LEXBASE FR 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 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 S	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 S	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 S	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 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.

FIRE RESISTANT FIBREBOARD	
Property	1/2"
Linear Expansion (ASTM C-209)	0.10 %
Compressive Strength (ASTM C-165) at 10% Deformation	34.8 lbs/in <sup>2</sup>
at 25% Deformation	51 lbs/in <sup>2</sup>
R-Value (ASTM C-518)	1.55 (1/2")
Water Absorption (ASTM C-209)	3.5%
Density (ASTM D-1037)	232 kg/m <sup>3</sup> (14.5 lbs/pi <sup>3</sup> )
Transversal Force at Break (ASTM C-209)	40 N (9.0 lbs)
Flame Spread (ULC S-102 / ULC S-102.2)	< 25 / < 25
Smoke Development (ULC S-102 / ULC S-102.2)	< 30 / < 30
Tensile Strength, Perpendicular to Surface (ASTM C-209)	761 lbs/ft <sup>2</sup> (min) 36.5 kPa (min)
Parallel to Surface (ASTM C-209)	187 lbs/in <sup>2</sup> (1.29 MPa)

REINFORCEMENT MEMBRANE	95 g/m <sup>2</sup>	180 g/m <sup>2</sup>
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

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

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

Visit our video channels: <https://vimeo.com/channels/lexcoren>

#### COMMERCIAL BUILDING PRODUCTS

Ontario & Western Canada  
1.800.268.2889



Quebec & Atlantic Canada  
1.800.363.2307

lexcor.net