



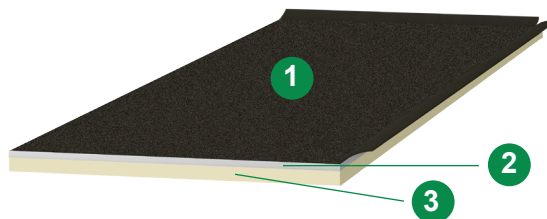
LEXTRIO R+ S

3 IN 1 ROOF INSULATION COMPOSITE PANEL

DESCRIPTION

LEXTRIO R+ S is a 3 in 1 roof insulation composite panel composed of:

- 1 modified bitumen base sheet membrane, a heavy duty non-woven polyester enhanced with glass fiber strands and selected SBS, factory laminated to,
- 2 a high density polyisocyanurate insulation board bonded with an inorganic coated glass facer, factory laminated to,
- 3 a polyisocyanurate insulation board bonded with an organic, non-asphaltic, fiber-reinforced felt facer



APPLICATION

LEXTRIO R+ S is used as an insulation panel within a roof assembly. The composite board can be secured with selected adhesives, mechanically fastened or mopped in with hot asphalt or rubberized asphalt.

TECHNICAL DATA

INSULATION OVERLAY / PROTECTION BOARD

Property	Typical Results
Thermal Resistance (ASTM C-518)	R-2.5 (RSI-0.44)
Water Vapour Permeability (ASTM E-96)	< 1.50 perm (85 ng/Pa•s•m ²)
Compressive Strength (ASTM D-1621)	> 620 kPa (> 90 lbs/in ²)
Water Absorption (ASTM C-209)	< 3%
Dimensional Stability (ASTM D-2126)	< 0.5%
Tensile Strength (ASTM C-1289, Type II, Class 4)	> 95 kPa (< 2000 lbs/in ²)
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

POLYISOCYANURATE INSULATION BOARD

Property	Typical Results
Dimensional Stability (ASTM D-2126)	< 2%
Compressive Strength (ASTM D-1621)	140 kPa (> 20 lbs/in ²)
Water Absorption (ASTM D-2842, C-209)	< 1%, <3.5%
Moisture Vapour Transmission (ASTM E-96)	< 1.50 perm (85 ng/Pa•s•m ²)
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

LEXTRIO R+ S BOARD PROPERTIES

Available Panel Dimensions:
914 mm x 2438 mm (3' x 8') - 95 g/m ² & 180 g/m ² reinforcement
914 mm x 4876 mm (3' x 16') - 180 g/m ² reinforcement
Thickness:
51 mm to 127 mm (2" to 5") thick (R-11 to R-29.3)

BASE SHEET MEMBRANE

Membrane Reinforcement	95 g/m ² glass fibre	180 g/m ² polyester
Upper Side	Sanded surface	Sanded surface
Cold Flex	Pass, °C (°F) (ASTM D-6163)	Pass, °C (°F) (ASTM D-6164)
Tensile Strength MD and XD	Pass, kN/m (lbf/in) (ASTM D-6163)	Pass, kN/m (lbf/in) (ASTM D-6164)
Tensile Tear MD and XD	Pass, N (lbf) (ASTM D-6163)	Pass, N (lbf) (ASTM D-6164)
Ultimate Elongation MD and XD	Pass, % (ASTM D-6163)	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)

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