

XPRESS VAP'R BOARD

 TECHNICAL DATA SHEET
140107SCAN1E
 (supersedes 130617SCAN1E)

DESCRIPTION

XPRESS VAP'R BOARD is a high performance panel composed of SBS modified bitumen membrane with a non-woven polyester reinforcement, factory-laminated on a high density mineral fibre (rock wool) board. The surface is sanded.

XPRESS VAP'R BOARD panel is used as thermal and vapor barrier.

INSTALLATION

HOT BITUMEN

XPRESS VAP'R BOARD panel is installed in a bed of hot bitumen applied with a mop.

ADHESIVE

XPRESS VAP'R BOARD panel is adhered with **DUOTACK** adhesive. It can be installed directly to steel deck, wood deck, concrete deck or recovering existing BUR.

MECHANICALLY FASTENED

XPRESS VAP'R BOARD panel is mechanically fastened to steel deck with **SOPRAFIX** screws and plates.

On a steel deck, fasteners must be installed on the upper part of the ribs. Install membranes perpendicular to the ribs.

* For more details about the required number of adhesive or mechanical fasteners, consult the Wind Uplift Resistance Testing reports according to Canadian standard CSA A123.21-10 or publications according to FM 4470 (RoofNav Database) including recommendations for corners and perimeters listed in the PLPDS 1-29 from Factory Mutual.

DUO SELVEDGE

Over the entire width of **DUO SELVEDGE**, 40 % of the surface is self-adhesive, which protects components under the base sheet. The remaining surface of the selvedge (60 %) is covered by a thermofusible plastic film to seal overlap by heat-welding with a propane torch or with the **SOPRAMATIC** automatic hot-air welder.

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PACKAGING

| Specifications | XPRESS VAP'R BOARD |
|------------------------------------|---------------------------------|
| Total thickness (Membrane & Board) | 18 mm (> 11/16 in) |
| Membrane reinforcement | Non-woven polyester |
| Insulation dimensions | 0.914 m x 4.88 m (3 ft x 16 ft) |
| Selvedge width | 75 mm (3 in) |
| Surface | Sanded |
| Underface | Mineral fibre (rock wool) |
| Units per pallet | 36 |

(All values are nominal)



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PROPERTIES

 As per CAN/CGSB-37.56-M 9th draft

| Properties | XPRESS VAP'R BOARD |
|---|--|
| Membrane thickness | 2.2 mm (86.6 mil) |
| Weight/m ² | 2.6 kg/m ² (0.53 lb/ft ²) |
| Breaking strength, MD XD | 17.0 / 12.5 kN/m |
| Ultimate elongation, MD/XD | 60 / 65 % |
| Tear strength | 60 N |
| Static puncture resistance | 400 N |
| Dimensional stability | -0.4 / 0.3 % |
| Plastic flow | ≥ 115 °C (239 °F) |
| Cold bending at -30 °C (-22 °F) | No cracking |
| Lap joint strength | Pass > 4 kN/m |
| Water vapor permeance ASTM E96 Procedure B | < 0.21 ng/Pa•s•m ² (< 0.004 perm) |

(All values are nominal)

| Properties | Standards | High density mineral fibre board |
|--|-----------------------|---|
| Board thickness | - | 15.8 mm (5/8 in) |
| Thermal resistance (RSI Value - for 25.4 mm at 24 °C (75 °F)) | ASTM C 518 (C 177) | 0.70 m ² K/W (R – 4.0 hr • ft ² • °F / BTU for 1 in at 24 °C (75 °F)) |
| Compressive strength at 10 %, at 25 %, 25.4 mm (1 in) thickness | ASTM C 165 | 85 kPa (12 psi) 190 kPa (28 psi) |
| Density | ASTM C 612-09 | 200 kg/m ³ (12.5 lb/ft ³) |
| Dimensional stability, Linear shrinkage 24 hours at 650 °C (1200 °F) | ASTM C 356 | 1.1 % |
| Water absorption | ASTM C 209 | 1.0 % |
| Water vapor sorption | ASTM C 1104 | 0.29 % |

(All values are nominal)

