

XPRESS VAP'R BOARD

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.

*The required number of mechanical fasteners and amount of adhesive varies from zone to zone. For more details about these requirements, consult the Wind Uplift Resistance Testing reports according to Canadian standard CSA A123.21 or Factory Mutual (FM 4470).

The side lap joints have a **DUO SELVEDGE**. This technologie allows to adhere the first self-adhesive part of the joint and to seal the last part of the joint 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)	27.6 mm (1.09 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	-	25.4 mm (1 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 25.4 mm (1 in) thickness	at 10 %, at 25 %, ASTM C 165	83 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)

