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SOPRAROCK MD

TECHNICAL DATA SHEET
121018SCAN1E
(supersedes - 110829SCAN1E)

DESCRIPTION

SOPRAROCK MD is a rigid mineral wool support panel with a homogenous density. **SOPRAROCK MD** must be mechanically fastened only.

ADVANTAGES

SOPRAROCK are mineral wool fibre boards made from basalt rock and slag. This combination results in a non-combustible product with a melting point of approximately 1177 °C (2150 °F), which gives it excellent fire resistance properties. **SOPRAROCK** mineral wool is a water repellent yet vapour permeable material. **SOPRAROCK MD** provides excellent dimensional stability and excellent acoustic properties. Moreover, the R-Value of **SOPRAROCK MD** is high and stable. The product is fire resistant and made from natural and recycled products.

PROPERTIES

Properties	Standards	SOPRAROCK MD
Thickness	-	1.04 in (26.5 mm)
Dimensions	-	4 ft x 4 ft (1.2 x 1.2 m)
Thermal Resistance (RSI Value - m ² K/W for 25.4 mm at 75 °F)	ASTM C 518 (C 177)	0.68 m ² K/W (R - 3.9 hr • ft ² • °F / BTU for 1 in at 75 °F)
Compressive Strength at 10 %, at 25 %, 25.4 mm (1 in) thickness	ASTM C 165	12 psi (83 kPa) 21.5 psi (150 kPa)
Density	ASTM C 612-09	11 lbs/ft ³ (176 kg/m ³)
Dimensional Stability, Linear Shrinkage 24 hours at 1200 °F (650 °C)	ASTM C 356	1.1 %
Water Absorption	ASTM C 209	1.2 %
Water Vapor Sorption	ASTM C 1104	0.29 %

CAN/ULC-S107-03 Fire test of roof covering, classified according to the type of membrane used.

CAN/ULC-S126-06 Fire spread under roof deck assemblies, classified according to the type of membrane used.
(All values are nominal)

PACKAGING

The factory packaging is intended for the protection of the boards during transit and is not intended for job site protection against the elements. When product is stored outdoors, the plastics shroud must be slit and the insulation protected by a waterproof, breathable covering such as a tarpaulin. Insulation must be stored minimum 102 mm (4 in) above ground and kept on a solid flat surface.

PRECAUTIONS

SOPRAROCK MD should not be exposed to inclement weather during shipment, storage or installation. At the completion of a day's work, all exposed edges should be sealed by lapping roof membrane over them. The products are not intended for use as a structural roof deck or for use under heavy traffic areas.

