

## SOPRAROCK MD PLUS

**Description :** **SOPRAROCK MD PLUS** is a rigid mineral wool support panel with a homogenous density. **SOPRAROCK MD PLUS** is impregnated with a bitumen layer which is compatible with **SOPREMA**'s torch or mop applied membranes. **SOPRAROCK MD PLUS** must be mechanically fastened or adhered with hot bitumen only.

**Advantages :** **SOPRAROCK** are mineral wool fiber 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 vapor permeable material. **SOPRAROCK MD PLUS** provides excellent dimensional stability and excellent acoustic properties. Moreover, the R-Value of **SOPRAROCK MD PLUS** is high and stable. The product is fire resistant and made from natural and recycled products.

### Properties :

Properties	Normes	SOPRAROCK MD PLUS
Thickness (in)	-	1
Dimensions (m)	-	1.2 x 1.2 (4 x 4 ft)
Thermal Resistance (RSI Value - m <sup>2</sup> K/W for 25.4 mm at 24 °C)	ASTM C 518 (C 177)	0.62 (R – 3.5 hr · ft <sup>2</sup> · °F / BTU for 1in at 75 °F)
Compressive Strength at 10%, 25.4mm Thickness (kPa)	ASTM C 165	84 (12.1 psi)
Density (kg/m <sup>3</sup> )	ASTM C 612-00	176 (11 lb/ft <sup>3</sup> )
Dimensional Stability, Linear Shrinkage (% at 177 °C (350 °F))	ASTM C 356	0.01 %
Water Absorption (%)	ASTM C 209	< 1.0

(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 PLUS** 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.