

SOPRAROCK DD

Description : *SOPRAROCK DD* is a mineral wool board insulation with a rigid upper surface for durability and enhanced strength. *SOPRAROCK DD* must be mechanically fastened only.

Advantages : *SOPRAROCK* are mineral wool fiber insulations 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 DD* provides excellent dimensional stability and excellent acoustic properties. Moreover, the R value of *SOPRAROCK DD* is stable. Product is impact resistant non-corrosive and manufactured from recycled and natural products.

Properties :

Properties	Normes	SOPRAROCK DD
Thickness (in)	-	2-6 (by increment of ½ in)
Dimensions (m)	-	1.2 x 1.2 (4 x 4 ft)
Thermal Resistance (RSI Value - m ² K/W for 25.4 mm at 24 °C)	ASTM C 518 (C 177)	0.65 (R – 3.7 hr · ft ² · °F / BTU for 1in at 75 °F)
Compressive Strength <ul style="list-style-type: none"> - Top Layer at 10% (kPa) - Top Layer at 25% (kPa) - Entire Board (3 in Thickness) at 10% (kPa) - Entire Board (3 in Thickness) at 25% (kPa) 	ASTM C 165	139 (20.2 psi) 252 (37.0 psi) 71 (10.3 psi) 103.5 (15.0 psi)
Density (kg/m ³) <ul style="list-style-type: none"> - Top Layer - Bottom layer 	ASTM C 612-00	220 (13.75 lb/ft ³) 160 (10.0 lb/ft ³)
* Formed as a monolithic structure		
Dimensional Stability, Linear Shrinkage (% at 177 °C (350 °F))	ASTM C 356	0.01 %
Water Absorption (%)	ASTM C 209	< 1.0
Water Vapour Sorption (%)	ASTM C 1104	0.03

(All values are nominal)

Packaging : The factory packaging is intended for the protection of the insulation 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 DD* 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.