

SOPRAROCK

DD

TECHNICAL DATA SHEET 190927SCANE

(supersedes 190305SCANE)



INSULATION

APPLICATIONS

ROOFS

DESCRIPTION

SOPRAROCK DD is a dual-density mineral wool board insulation with a rigid upper surface. The mineral wool fibre in boards are made from basalt rock and steel slag. This combination results in a non-combustible product with a melting point of approximately 1177 °C (2150 °F). SOPRAROCK DD also provides dimensional stability and acoustic properties to the assembly it's in.

INSTALLATION

LOOSE LAID

SOPRAROCK DD panel is simply laid on the surface.

RESTRICTION

Any adhesive, including hot bitumen, can't be used on the surface of SOPRAROCK DD.

When SOPRAROCK DD is mechanically fastened, it is mandatory to fix at least one of the above components.

SOPRAROCK DD is not intended for use as a structural roof deck or for use under heavy traffic areas.

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

PACKAGING

Specifications	SOPRAROCK DD
Material	Mineral fibers
Thickness	50.8 - 152.4 mm (2 - 6 in) by increment of 12.7 mm (½ in)
Dimensions	1.2 x 1.2 m (4 x 4 ft)
Qty/pal	40

(All values are nominal)



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

NOTE: All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

TDS_SOPRAROCK_DD.indd

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PROPERTIES

SOPRAROCK DD meets the physical property requirements of ASTM C726, Type I, Class 1.

Properties	Standards	SOPRAROCK DD
Thermal Resistance (for 25.4 mm [1 in] at 24 °C [75 °F])	ASTM C 518 (C 177)	0.68 m²K/W (R – 3.8 hr • ft² • °F / BTU)
Compressive Strength		
- Top Layer at 10%	ASTM C 165	140 kPa (20 psi)
- Top Layer at 25%		250 kPa (37 psi)
- Entire Board (3 in Thickness) at 10%		75 kPa (11 psi)
- Entire Board (3 in Thickness) at 25%		105 kPa (15 psi)
- Point load at 5mm compression	EN 12430	205 kPa (30.0 psi)
Density		
- Top Layer	ASTM C 612-09	220 kg/m³ (13.75 lb/ft³)
- Bottom layer		160 kg/m³ (10.0 lb/ft³)
* Formed as a monolithic structure		
Dimensional Stability, Linear Shrinkage 24 hours at 650 °C (1200 °F)	ASTM C 356	0.71 %
Water Absorption	ASTM C 209	< 1.0 %
Water Vapor Sorption	ASTM C 1104	0.15 %
Reaction To Fire	CAN/ULC S114	Noncombustible
Hail Performance	FM 4470	Class 1, Severe Hail

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

CAN/ULC-S126 Fire spread under roof deck assemblies, classified according to the type of membrane used.

(All values are nominal)

STORAGE AND HANDLING

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.

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.

For more information, refer to the instructions on the relevant safety data sheet (SDS).



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