

# SOPRAROCK DD PLUS



## Description:

SOPRAROCK DD PLUS is a dual-density mineral wool board insulation with a rigid upper layer for durability and enhanced strength. SOPRAROCK DD PLUS is impregnated with a bitumen layer which is compatible with Soprema's torch or mop applied membranes or adhered with Sopratack or Colply EF adhesive.

## Installation:

**Loose Laid:**  
SOPRAROCK DD PLUS panel is simply laid on the surface and will be fixed by the product installed over it.

**Bitumen:**  
SOPRAROCK DD PLUS panel is installed in a bed of SEBS hot bitumen or oxidised bitumen applied with a mop.

**Adhesive:**  
SOPRAROCK DD PLUS panel must be adhered with one of the Duotack adhesives.

## Mechanically Fastened:

SOPRAROCK DD PLUS panel is mechanically fastened to steel deck with screws and plates for insulation.

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).

## Restriction:

Self-adhesive membranes must not be installed over SOPRAROCK DD PLUS. SOPRAROCK DD PLUS 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 Equus Consultant.

## Packaging:

Material:	Mineral fibres
Thickness:	50.8 - 152.4mm by increment of 12.7 mm
Dimensions:	1.2 x 1.2 m
Surface:	Mineral fibres impregnated with bitumen
Underface:	Mineral fibres (rock wool)
Qty/pal	40

## Properties:

Properties	Standards	SOPRAROCK DD PLUS
Thermal Resistance (for 25.4 mm at 24 °C)	ASTM C 518 (C 177)	0.68 m <sup>2</sup> K/W (R - 3.8hr · ft <sup>2</sup> · °F / BTU)
Compressive Strength		
– Top Layer at 10%	ASTM C 612-09	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/m <sup>3</sup> (13.75 lb/ft <sup>3</sup> )
– Bottom Layer		160 kg/m <sup>3</sup> (10.0 lb/ft <sup>3</sup> )
– Formed as a monolithic structure		
Dimensional Stability Linear Shrinkage 24 hours at 650 °C	ASTM C 356	0.71%
Water Absorption	ASTM C 209	< 1.0%
Water Vapour Sorption	ASTM C 1104	0.15%
Reaction to Fire	CAN/ULC S114	Non combustible
Hail Performance	FM 4470	Class 1, Severe Hail

CAN/ULC-S107  
CAN/ULC-S126  
(All values are nominal)

Fire test of roof covering, classified according to the type of membrane used.

Fire spread under roof deck assemblies, classified according to the type of membrane used.

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PRODUCT  
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### **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 above ground and kept on a solid flat surface.

SOPRAROCK DD 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.

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

**Equus Industries Ltd**  
**PO Box 601**  
**Blenheim**  
**Phone: 03 578 0214**  
**Email: [admin@equus.nz](mailto:admin@equus.nz)**  
**Website: [www.equus.nz](http://www.equus.nz)**  
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