

SOPRAROCK HD

TECHNICAL DATA SHEET

ANZ-TDS-156-SOPRAROCK-HD



INSULATION

APPLICATIONS

ROOFS

DESCRIPTION

SOPRAROCK HD is a nonflammable water-repellent thermal and sound insulation slabs of mineral wool based on basalt rocks.

APPLICATION

SOPRAROCK HD slabs are used as a thermal insulation layer in new constructions or reconstructions of industrial and civil buildings and structures. Designed for installation as the top thermal insulation layer on flat roofs.

STORAGE

The slabs must be stored in covered warehouses. Storage under an awning protecting the slabs from atmospheric precipitation is permitted. The slabs shall be stored in containers or stacked on the pallets or on the supports during the whole period of storage. The height of the stack shall not exceed 3 meters

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

PROPERTIES

Essential characteristics	Performance	Harmonized technical specification	
Nominal volumetric weight, kg/m ³	180 (±15)	-	EN 13162:2012 + A1:2015
Declared thermal conductivity at 25 °C, W/m*K	0.040	EN 12667	
Length, mm	1200, 2400 (±2%)	EN 823	
Width, mm	600, 1200 (±2%)	EN 823	
Thickness (with increments of 10 mm), mm	30-100	EN 823	
Deviation from squareness, mm/m	<5	EN 824	
Deviation from flatness, mm	<6	EN 825	
Compressive stress at 10% deformation, kPa	CS(10)60	EN 826	
Tensile strength perpendicular to faces, kPa	TR15	EN 1607	
Point Load, N	PL(5)700	EN 12430	
Dimensional stability, %: -at specified temperature -under specified temperature (23°C) and humidity conditions (90% R.H.)	DS(70,-) <1 DS(23,90) <1	EN 1604	
Reaction to fire, euroclass	A1	EN 13501-1	
Water Absorption during Short / Longterm Immersion kg/m ²	WS <1 WL(P) <3	EN 1609 EN 12087	
Water vapor transmission, MU	MU1	EN 12086	



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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.

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THERMAL RESISTANCE

Thickness, mm	30	40	50	60	70	80	90	100
RD, m ² *K/W	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50



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