SOPRAROCK HD 60

Mineral wool thermal and sound insulation board

July 2026

DESCRIPTION:
SOPRAROCK HD 60 is a non-flammable water-repellent thermal and sound insulation slab of mineral wool based on basalt rocks.

BRANZ Appraised
Appraisal No. 1169

APPLICATION:
SOPRAROCK HD 60 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 layer on flat roofs.

TECHNICAL DATA:

Essential Characteristics	Performance	Harmonised technical specification	
Nominal volumetric weight, kg/m³	180	-	EN 13162:2012 + A1:2015
Declared thermal conductivity at 10°C, W/m*K	0.038	EN 12667	
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% RH)	DS(70,-) <1 DS(23,90) <1	EN 1604	
Reaction to fire, euroclass	A1	EN 13501-1	
Water absorption during short / long term immersion kg/m²	WS <1 WL(P) <3	EN 1609 EN12087	
Water vapour transmission, MU	MU1	EN12086	

THERMAL RESISTANCE (EN 12667):

Thickness, mm	30	40	50	60	70	80	90	100
RD, m2*K/W	0.75	1.00	1.30	1.55	1.80	2.05	2.35	2.60

SCOPE OF USE:
SOPRAROCK HD 60 is used in Equus SOPREMA Warm Roof and Deck systems, installed over a vapour barrier and underneath a waterproofing membrane system. SOPRAROCK HD 60 boards are overlaid with a roof cover board and then mechanically fastened to the roofing substrate. It is suitable for new builds and refurbishments, residential and commercial construction, in any location or wind zone in New Zealand (determined by project specific wind uplift calculations).
Suitable for other applications with written approval by Equus Industries Ltd.

masterspec partner

4421ED Equus Duotherm Warm Roof & Deck System by Soprema
4421EN Equus Nova-SK Flameless Roof & Deck Membrane by Soprema
4421ES Equus Soprasun Plus Roof & Deck Membrane by Soprema
4122EF Equus Soprema Flagon TPO Roof & Deck Membrane by Soprema

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BUILDING CODE COMPLIANCE:
B2 Durability - B2.3.1 (b), SOPRAROCK HD 60 has a durability of at least 15 years when installed with the correct specification, installation and maintenance. BRANZ Appraisal 1169.

E3 Internal moisture - E3.3.1 SOPRAROCK HD 60 provides habitable buildings with adequate thermal resistance and R-values that are equal to or above those specified in E3/AS1. See BRANZ Appraisal 1169.

F2 Hazardous building materials - F2.3.1 Well known experience with the type of materials used together with in-service history, show that SOPRAROCK HD 60 complies with this performance requirement. Refer to SDS at www.equus.nz

H1 Energy Efficiency - H1.3.1 (a) SOPRAROCK HD 60 provides the building with adequate thermal resistance and R-values that are equal to or above those specified in H1/AS1 and H1/AS2. See BRANZ Appraisal 1169.

SUPPORTING DOCUMENTATION:
Can be found at: www.equus.nz

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 pallets or on the supports during the whole period of storage. The height of the stack shall not exceed 3 metres.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No

MANUFACTURERS CONTACT DETAILS:

Manufacture location	China
Legal and trading name of manufacturer	Soprema New Zealand Limited
Manufacturer address for service	Level 3, Candida Building 4, 61 Constellation Drive, Mairangi Bay, Auckland 0630, New Zealand
Manufacturer website	www.soprema.com.au
Manufacturer email	info@soprema.com.au
Manufacturer phone number	+61 3 9221 6230
Manufacturer NZBN	9429050312962

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