

Thermalrock™ S (Slab)



General Product Information

ROCKWOOL stone wool products are made of basalt, a volcanic stone, which is the world's most abundant natural resource.

ROCKWOOL stone wool products are non-combustible with a melting point more than 1000°C. They are particularly suitable for thermal insulation, fire protection and sound reduction or absorption.

ROCKWOOL stone wool is inorganic and contains no nutritious substance. Therefore it will not be attacked by microorganisms. Stone wool will not rot and does not attract vermin.

No CFCs, HFCs, HCFCs, or asbestos are used in the manufacture of ROCKWOOL stone wool products.

Applications

Thermalrock S is manufactured in a wide variety of thicknesses and densities to suit most requirements, suitable for general application in residential, commercial and industrial buildings.

Reaction to Fire Classification

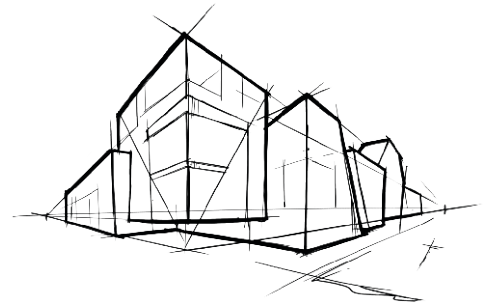
ROCKWOOL Thermalrock S range achieves an A1 Non-Combustible reaction to fire classification; including faced and unfaced variations.



Technical Parameters

Product Types	S40	S50	S60	S80	S90	S100	Standards
Nominal Density (kg/m ³)	40	50	60	80	90	100	
Thermal Conductivity at 20°Cλ (W/mK)	0.037	0.036	0.036	0.036	0.036	0.036	ASTM C518
Sound Absorption Class	Please contact your local representative for more information.						ISO 354 / ASTM C423
Fire Performance	Non-combustible / A1 Fire Classification						EN 13501-1 / UL 723
Water Vapor Absorption	0.004 % by Vol						ASTM C1104 / C1104M
Water Absorption (Partial Immersion)	< 0.05 kg/m ²						EN 1609.97

*Thermal conductivity values are based on testing conducted in external accredited laboratory in accordance to ASTM C518 : 1991
Test reports are available upon request. For design, it is recommended to use a safety factor of 20% as design value.



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Disclaimer: The information contained in this data sheet is believed to be correct at the date of publication. ROCKWOOL does not accept responsibility for the consequences of using Thermalrock S in applications different from those described above.