

# 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.

## Facings

Thermalrock S products are available in plain, aluminium foil facings and one-sided or two sided glass tissue facings.

## Packaging and Storage

Thermalrock S is shrink-wrapped in polyethylene sheets for ease of handling, transportation, storage and identification. Products should be stored indoors or under a waterproof covering.



**Dimension**

Standard sizes and densities			
Nominal Density (kg/m <sup>3</sup> )	40 - 140		
Size : L x W (mm)*	1200 x 600		
Thickness (mm)**	50	75	100

Note: Please contact your local representatives for sizes not stated in the data sheet.


**Technical Parameters**

	S40	S60	S80	S100	S120	S140	Standard
Nominal Density (kg/m <sup>3</sup> )	40	60	80	100	120	140	
Thermal Conductivity (W/mK)*	0.036	0.034	0.034	0.034	0.034	0.034	ASTM C518
Sound Absorption Coefficient (NRC) at 50mm thickness	1.00	1.05	1.05	1.05	1.05	0.90	ISO 354
Fire Performance	Non-combustible / Euro Class A1 (without facing)						EN 13501-1
Water Vapor Absorption (Moisture Resistance)	< 0.04 %, by volume						ASTM C1104/C1104M
Water Absorption (Partial Immersion)	< 0.5 kg/m <sup>2</sup>						EN 1609

\* Thermal conductivity is tested at mean temperature of 20°C in accordance with ASTM C518 by external accredited laboratory. It is recommended to have a safety factor of 20% as design value.

\* For UL approved products, please contact our local representative.



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.

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