



## ThermalRock S (Slab)

# General Product Information

ROCKWOOL stone wool products are made of basalt, a volcanic stone.

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



SGBP 2012-080



SGBP 2012-081  
SGBP 2012-082  
SGBP 2012-083  
SGBP 2012-084  
SGBP 2012-085

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## Common 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.



## Dimensions

Standard sizes and densities

Thickness (mm).....	<b>25, 50, 75 and 100mm</b>
Length x Width (mm).....	<b>1200mm x 600mm</b>
Nominal Densities (kg/m³).....	<b>40 to 140</b>

*Note: Please contact your local representatives for sizes and densities not stated in the datasheet.*

## 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.



## Technical Parameters

Product Types	S40	S60	S80	S100	S120	S140	Standards
Nominal Density (kg/m³)	40	60	80	100	120	140	
* Thermal Conductivity 20°C λ Values (W/mK)	0.036	0.034	0.034	0.034	0.034	0.034	ASTM C518
Sound Absorption [BS EN ISO 354:2003]	Please contact your local representative for more information						
Fire Performance	Non-combustible / A1 Fire Classification (without facing)						EN 13501-1
Water Vapour Absorption	Absorb less than 0.04 Vol %						ASTM C1104/C1104M
Water Absorption (partial immersion)	Less than 0.5kg/m²						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.*