



ROCKWOOL Thermalrock S

ROCKWOOL Thermalrock S is a versatile stone wool insulation slab that is suitable for a wide range of general building applications.

ROCKWOOL Thermalrock S is non-combustible – it does not develop toxic smoke nor promote flame spread, even when directly exposed to fire. It also contributes to a building's energy efficiency with its reliable thermal performance. It is moisture repellent, and contributes to improved acoustic comfort. The superior performances of ROCKWOOL Thermalrock S ensure that its insulation value can be maintained for a long time.

The product is available in a wide range of thicknesses and densities to suit most application requirements.



Fire Performance

Non-combustible with high melting point above 1000°C. Minimal contribution to spread of fire and assuring a safe escape of building occupants and first responders intervention.

ROCKWOOL Thermalrock S

Technical Data Sheet
General Building Application
14th June 2024

Technical Parameters

Product Name	ROCKWOOL Thermalrock S40	ROCKWOOL Thermalrock S60	ROCKWOOL Thermalrock S80	ROCKWOOL Thermalrock S100	ROCKWOOL Thermalrock S120	ROCKWOOL Thermalrock S140	Test Standard	
Density	40kg/m ³	60kg/m ³	80kg/m ³	100kg/m ³	120kg/m ³	140kg/m ³	N/A	
Reaction to Fire	Non-combustible Euroclass A1	Non-combustible Euroclass A1	Non-combustible Euroclass A1	Non-combustible Euroclass A1	Non-combustible Euroclass A1	Non-combustible Euroclass A1	AS 1530.1 EN 13501-1	
Fire Hazard Properties	Ignitibility: 0 Spread of flame: 0 Heat evolved: 0 Smoke developed: 0-1	Ignitibility: 0 Spread of flame: 0 Heat evolved: 0 Smoke developed: 0-1	Ignitibility: 0 Spread of flame: 0 Heat evolved: 0 Smoke developed: 0-1	Ignitibility: 0 Spread of flame: 0 Heat evolved: 0 Smoke developed: 0-1	Ignitibility: 0 Spread of flame: 0 Heat evolved: 0 Smoke developed: 0-1	Ignitibility: 0 Spread of flame: 0 Heat evolved: 0 Smoke developed: 0-1	Ignitibility: 0 Spread of flame: 0 Heat evolved: 0 Smoke developed: 0-1	AS 1530.3
Melting Point	1000°C	1000°C	1000°C	1000°C	1000°C	1000°C	ASTM E794	
Thermal Conductivity at mean 23°C	0.037 W/mK	0.035 W/mK	0.034 W/mK	0.034 W/mK	0.034 W/mK	0.034 W/mK	ASTM C518	
Water Absorption (partial immersion)	0.5 kg/m ²	0.5 kg/m ²	0.5 kg/m ²	0.5 kg/m ²	0.5 kg/m ²	0.5 kg/m ²	BS EN ISO 29767	
Water Vapor Absorption	Less than 0.04 Vol %	Less than 0.04 Vol %	Less than 0.04 Vol %	Less than 0.04 Vol %	Less than 0.04 Vol %	Less than 0.04 Vol %	ASTM C1104	

Application

ROCKWOOL 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.

Compliance with the Australia NCC

These range of ROCKWOOL products when properly specified and installed, demonstrate compliance with the following requirements:

■ Thermal

Complies with AS/NZS 4859.1 and meets the requirements of NCC through adherence to NCC 2022 Volume 1 Section J4D3 (1), NCC 2019 Volume 1 Section J1.2(a), NCC 2019 Volume 2 Section 3.12.1.1(a) and state-prescribed variations.

■ Fire Hazard Properties

Adheres to NCC 2019 Volume 1 Specification C1.10 Clause 7 and NCC 2022 Specification 7 Clause S7C7 for insulation materials. When tested to AS1530.3, these products conform to the "Spread of Flame" and "Smoke Developed" requirements outlined in NCC 2022 Specification 7 Clause S7C7 and NCC 2019 Volume 1 Specification C1.10 Clause 7.

■ Non-Combustibility

Complies with the non-combustibility standards of NCC 2022 Volume 1 C2D2 and NCC 2019 Volume 1 C1.9(a) or satisfies the testing criteria outlined in AS 1530.1.

Facings

Optional facing with one or two sided glass tissue is available upon request. For more information, please contact your local representatives.

Packaging and Storage

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

Health & Safety

ROCKWOOL stone wool products are manufactured from FBS-1 stone wool. FBS-1 stone wool is safe to use and the fibre component of these products is listed by Safe Work Australia as Man-made Vitreous Fibre (stone wool) of low bio persistence as specified under Note Q in the Australian Hazardous Substances Information System and in the Australian Approved Criteria.

For more information at www.rockwool.com/anz

ROCKWOOL Thermalrock S

Technical Data Sheet
General Building Application
14th June 2024

Product Specification

ROCKWOOL Thermalrock S40

R-Value m ² K/W	Thickness (mm)	Width (mm)	Length (mm)	# Pieces per pack	Area per pack (m ²)
0.70	25	600	1200	12	8.64
1.35	50	600	1200	8	5.76
1.75	64	600	1200	5	3.60
2.05	75	600	1200	4	2.88
2.45	90	600	1200	4	2.88
2.70	100	600	1200	3	2.16

ROCKWOOL Thermalrock S60

R-Value m ² K/W	Thickness (mm)	Width (mm)	Length (mm)	# Pieces per pack	Area per pack (m ²)
0.70	25	600	1200	12	8.64
1.45	50	600	1200	6	4.32
1.85	64	600	1200	5	3.60
2.15	75	600	1200	4	2.88
2.55	90	600	1200	3	2.88
2.85	100	600	1200	3	2.16

ROCKWOOL Thermalrock S80

R-Value m ² K/W	Thickness (mm)	Width (mm)	Length (mm)	# Pieces per pack	Area per pack (m ²)
0.75	25	600	1200	12	8.64
1.45	50	600	1200	6	4.32
1.90	64	600	1200	5	3.60
2.20	75	600	1200	4	2.88
2.65	90	600	1200	3	2.88
2.95	100	600	1200	3	2.16

ROCKWOOL Thermalrock S100

R-Value m ² K/W	Thickness (mm)	Width (mm)	Length (mm)	# Pieces per pack	Area per pack (m ²)
0.75	25	600	1200	12	8.64
1.45	50	600	1200	6	4.32
1.90	64	600	1200	5	3.60
2.20	75	600	1200	4	2.88
2.65	90	600	1200	3	2.88
2.95	100	600	1200	3	2.16

ROCKWOOL Thermalrock S120

R-Value m ² K/W	Thickness (mm)	Width (mm)	Length (mm)	# Pieces per pack	Area per pack (m ²)
0.75	25	600	1200	12	6.48
1.45	50	600	1200	6	4.32
1.90	64	600	1200	5	3.60
2.20	75	600	1200	4	2.88
2.65	90	600	1200	3	2.88
2.95	100	600	1200	3	2.16

ROCKWOOL Thermalrock S140

R-Value m ² K/W	Thickness (mm)	Width (mm)	Length (mm)	# Pieces per pack	Area per pack (m ²)
0.75	25	600	1200	9	6.48
1.45	50	600	1200	4	4.32
1.90	64	600	1200	5	3.60
2.20	75	600	1200	3	2.88
2.65	90	600	1200	4	2.88
2.95	100	600	1200	2	2.16



Disclaimer: The information contained in this data sheet is only applicable for Australia and is believed to be correct at the date of publication and is subject to change after the date of printing. This data sheet was designed for general information purpose only. It's contents should not be construed as representing all performance for these insulation materials. You should not act or rely on any of the information contained herein without seeking professional advice. We make no representations as to accuracy, completeness, correctness, suitability or validity of any information in this document and will not be liable for any errors, omissions, or delays in this information or any losses, injuries or damages arising from its use. All information is provided on a as-is basis.

For more information at www.rockwool.com/anz

ROCKWOOL Malaysia Sdn. Bhd.
Lot 4, Solok Waja 1, Bukit Raja Industrial Park,
41050 Klang, Selangor, Malaysia.

T (+60) 3 3346 8200
info.anz@rockwool.com