

KRIMPACT FLAT ROOF SLAB

January 2018



APPLICATIONS



DESCRIPTION

Rocksilk Krimpact Flat Roof Slabs are high strength, dense rigid slabs made from rock mineral wool, manufactured using Krimpact technology, specifically designed for use in flat roofing applications. Rocksilk Krimpact Flat Roof Slabs are available in two grades – Rocksilk Krimpact Flat Roof Slab and Rocksilk Krimpact Flat Roof Slab Extra. Rocksilk Krimpact Flat Roof Slabs contain a special additive to ensure their water repellency.

PERFORMANCE

Thermal

R-value: 2.45 to 4.42 m²K/W

Fire

Classification: EUROCLASS A1 to BS EN 13501-1.



Vapour resistivity

Water vapour resistivity: 5.00MNs/g.m.

BENEFITS


- ✓ Excellent thermal performance
- ✓ Excellent compressive strength
- ✓ Excellent acoustic insulation
- ✓ Superior fire performance

SPECIFICATIONS

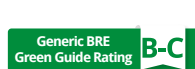
Thickness (mm)	Thermal conductivity (W/mK)	R-value (m ² K/W)		R-value (m ² K/W)		Length (mm)	Width (mm)
180	0.038	4.42e		4.70		1200	1000
145	0.038	3.56e		3.80		1200	1000
100	0.038	2.45e		2.60		1200	1000

e=estimate

 South African R-values calculated assuming 23°C mean temperature.

 Euro R-values based on 10°C mean temperature, calculated according to requirements of λ90:90 for declaring thermal performance and following the European norm standard including audited factory production control.

CERTIFICATION



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ADDITIONAL INFORMATION

Durability

Rocksilk Krimpact Flat Roof Slabs are odourless, non-hygroscopic, rot proof, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.

Application

Rocksilk Krimpact Flat Roof Slabs are used for the thermal insulation of flat roofs. Rocksilk Krimpact Flat Roof Slabs are suitable for use under all kinds of single ply membrane, hot applied bitumen systems and mastic asphalt and are suitable for maintenance foot traffic only.

Standards

Rocksilk Krimpact Flat Roof Slabs are manufactured in accordance with BS EN 13162, ISO 50001 Energy Management Systems, OHSAS 18001 Occupational Health and Safety Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by Bureau Veritas.

Environmental

Rocksilk Krimpact Flat Roof Slabs represent no known threat to the environment and have zero Ozone Depletion Potential and zero Global Warming Potential.

Vapour resistivity

Rocksilk Krimpact Flat Roof Slabs offer negligible resistance to the passage of water vapour and have a water vapour resistivity of 5.00 MN.s.g.m.

Compressive strength

Rocksilk Krimpact Flat Roof Slab has a compressive strength of 60 kPa, Rocksilk Krimpact Flat Roof Slab Extra has a compressive strength of 90 kPa.

Handling and storage

Rocksilk Krimpact Flat Roof Slabs are easy to handle and install, and easily cut to size, where necessary. They are supplied in polythene packs which are designed for short term protection only. For longer term protection on site, the product should either be stored indoors, or under cover and off the ground. Rocksilk Krimpact Flat Roof Slabs should not be left permanently exposed to the elements.



Knauf Insulation mineral wool products made with ECOSE Technology® benefit from a no added formaldehyde binder, which is up to 70% less energy intensive than traditional binders and is made from rapidly renewable bio-based materials instead of petroleum-based chemicals. The technology has been developed for Knauf Insulation's glass and rock mineral wool products, enhancing their environmental credentials without affecting the thermal, acoustic or fire performance. Insulation products made with ECOSE Technology® contain no dye or artificial colours.

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