



October 2011

RocksilK Krimpack Flat Roof Slabs

For flat roofs

Description

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

Application

RocksilK Krimpack Flat Roof Slabs are used for the thermal insulation of flat roofs. RocksilK Krimpack 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.

Performance

Thermal

RocksilK Krimpack Flat Roof Slab and RocksilK Krimpack Flat Roof Slab Extra have thermal conductivities of 0.038 and 0.039W/mK, respectively

Fire

RocksilK Krimpack Flat Roof Slab and RocksilK Krimpack Flat Roof Slab Extra are classified as Euroclass A1 to BS EN ISO 13501-1.

Benefits

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



Move Forward with Confidence

Rocksilk Krimpack Flat Roof Slabs

Standards

Rocksilk Krimpack Flat Roof Slabs are manufactured in accordance with BS EN 13162:2008, EN 16001:2009 Energy Management Systems, OHSAS 18001:2007 Occupational Health and Safety Management Systems, ISO 14001:2004 Environmental Management Systems, and ISO 9001:2008 Quality Management Systems, as certified by Bureau Veritas.

Certification

Rocksilk Krimpack Flat Roof Slab and Rocksilk Krimpack Flat Roof Slab Extra are British Board of Agrément certified (certificate no 08/4526) for use as a thermal insulation layer for limited access flat roofs with concrete, timber or metal decks.

Durability

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

Compressive resistance

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

Vapour resistance - resistivity

Rocksilk Krimpack Flat Roof Slab and Rocksilk Krimpack Flat Roof Slab Extra offer negligible resistance to the passage of water vapour and have a vapour resistivity of 7.00 MN.s.g.m.

Environmental

Rocksilk Krimpack Flat Roof Slab and Rocksilk Krimpack Flat Roof Slab Extra are free from CFCs, HCFCs and any other material with ozone depletion potential in their manufacture and content and represent no known threat to the environment. **Rocksilk Krimpack Flat Roof Slab and Rocksilk Krimpack Flat Roof Slab Extra's manufacture has a low impact on the environment and is classified as Zero ODP and Zero GWP.**

Handling and storage

Rocksilk Krimpack Flat Roof Slab and Rocksilk Krimpack Flat Roof Slab Extra 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 Krimpack Flat Roof Slab and Rocksilk Krimpack Flat Roof Slab Extra should not be left permanently exposed to the elements.

Rocksilk Krimpack Flat Roof Slabs

Krimpack technology

Krimpack™ technology realigns the mineral wool strands during manufacture to increase compressive strength without dramatically reducing thermal performance – making Rocksilk Flat Roof Slabs an ideal product for use behind a render finish. Furthermore, Krimpack technology achieves a consistent density slab. This ensures better long-term compressive strength, high impact resistance, better thermal performance and a thinner, lighter product compared to other high-strength insulation options.

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance m ² K/W	Length (mm)	Width (mm)	Slabs per pack	Area per pack (m ²)
Rocksilk Krimpack Flat Roof Slab						
165	0.038	4.20	1800	600	14	15.12
150	0.038	3.90	1800	600	16	17.28
145	0.038	3.80	1800	600	16	17.28
130	0.038	3.40	1800	600	18	19.44
110	0.038	2.85	1800	600	20	21.60
100	0.038	2.60	1800	600	24	25.92
80	0.038	2.10	1800	600	30	32.40
75	0.038	1.95	1800	600	32	34.56
50	0.038	1.30	1800	600	48	51.84
Rocksilk Krimpack Flat Roof Slab Extra						
120	0.039	3.00	1800	600	20	21.60
110	0.039	2.80	1800	600	20	21.60
100	0.039	2.55	1800	600	24	25.92
80	0.039	2.05	1800	600	30	32.40
75	0.039	1.90	1800	600	32	34.56
70	0.039	1.75	1800	600	32	34.56
50	0.039	1.25	1800	600	48	51.84

All dimensions are nominal

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