Generic BRE Green Guide Rating B-C

KNAUF INSULATION
it's time to save energy

February 2015

Rocksilk Krimpact Flat Roof Slabs

For flat roofs

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.

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.

Performance

Thermal

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

Fire

Rocksilk Krimpact Flat Roof Slab/Rocksilk Krimpact Flat Roof Slab Extra are classified as Euroclass A1 to BS EN 13501-1.

Benefits

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

Move Forward with Confidence

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 08/4526

Rocksilk Krimpact Flat Roof Slabs

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.

Certification
Rocksilk Krimpact Flat Roof Slabs are British Board of Agrèment 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 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.

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

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.

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.

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.

Rocksilk Krimpact Flat Roof Slabs

Krimpact technology

Krimpact™ technology realigns the mineral wool strands during manufacture to increase compressive strength without dramatically reducing thermal performance. Furthermore, Krimpact 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^2K/W	Length (mm)	Width (mm)
Rocksilk Krimpact Flat Roof Slab				
180	0.038	4.70	1200	900
145	0.038	3.80	1200	900
120	0.038	3.15	1200	900
100	0.038	2.60	1200	900
Rocksilk Krimpact Flat Roof Slab Extra				
150	0.039	3.80	1200	900
125	0.039	3.20	1200	900
105	0.039	2.65	1200	900
95	0.039	2.40	1200	900

All dimensions are nominal

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