

ROCKSILK® ALLFIX FLAT ROOF SLAB

July 2022



APPLICATIONS



DESCRIPTION

Rocksilk® Allfix Flat Roof Slab is a Rock Mineral Wool slab, designed for use in flat roof applications using fully bonded or partially bonded membranes onto all types of roof deck.

It is non-combustible with Euroclass A2-s1,d0 reaction to fire classification, and is manufactured using Knauf Insulation's Krimpack® Technology.

PERFORMANCE

Thermal

Thermal conductivity: 0.039 W/mK

Fire

Classification: Euroclass A2-s1,d0 to BS EN 13501-1

Vapour resistivity

Water Vapour Resistance: (Z) = 0.030

Mechanical Characteristics

Compressive Strength: 70 kPa

Tensile Strength: 25 kPa

Point Load: <99mm - 800 N >100mm - 1050 N

BENEFITS

- ✓ Slabs contain a special additive to ensure their water repellency.
- ✓ Manufactured using Knauf Insulation's Krimpack® Technology for high levels of compressive strength and durability.
- ✓ Excellent sound absorption and reduction characteristics reducing the drumming effect of rainfall.
- ✓ Suitable for all types of waterproofing layers.

SPECIFICATIONS

Thickness (mm)	Thermal conductivity (W/mK)	Thermal resistance (m²K/W)	Length (mm)	Width (mm)	Slabs per pallet	Area per pallet (m²)	Product code
145	0.039	3.75	1200	1000	18	21.600	710050
120	0.039	3.10	1200	1000	20	24.000	658684
100	0.039	2.60	1200	1000	24	28.800	710030
90	0.039	2.35	1200	1000	24	28.800	TBC
60	0.039	1.55	1200	1000	42	50.400	710010

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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ADDITIONAL INFORMATION

Durability

Rocksilk® Allfix Flat Roof Slabs are odourless, rot proof, non-hygroscopic, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria. The product will have a life equivalent to that of the roof structure in which it is incorporated.

Application

Rocksilk® Allfix Flat Roof Slabs are used for the thermal insulation of flat roofs. The slabs are suitable for use under all kinds of single ply membrane, torch on waterproofing, hot applied bitumen systems and mastic asphalt and are suitable for maintenance foot traffic only. Rocksilk Krimpack Allfix Flat Roof Slabs are suitable for use as an upstand board in warm roof applications when faced with the fixings and waterproof layer as detailed by the membrane manufacturer.

Standards and Certification

Rocksilk® Allfix Flat Roof Slabs are manufactured in accordance with BS EN 13162, ISO 50001 Energy Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems, as certified by TÜV Nord.

Real performance

Glass and Rock Mineral Wool are easier to install correctly than other insulants such as rigid boards because they adapt to any slight imperfections in the substrate and knit together, eliminating any air gaps. Evidence shows the absence of air gaps is crucial to achieving real performance in the relevant application.

Environmental

Rocksilk® Krimpack Allfix Flat Roof Slabs contain no ozone-depleting substances or greenhouse gases. For further environmental information consult the relevant Environmental Product Declaration, available on our website.

Handling and storage

Rocksilk® Allfix Flat Roof Slabs are easy to handle and install, being lightweight and easily cut to size, where necessary. Rocksilk® Allfix Flat Roof Slabs are supplied loose on a hooded (4-LPDE) pallet which is 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® Allfix Flat Roof Slabs should not be left permanently exposed to the elements.

Knauf Insulation Ltd

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