



# RocksilK Universal Slab

## Description

RocksilK Universal Slabs are unfaced, rock mineral wool slabs, available in a range of densities from 33 to 200 kg/m<sup>3</sup>. The standard product is supplied unfaced, but slabs can also be manufactured with a factory applied foil or tissue facing and are also available with a water repellent additive.

## Application

RocksilK Universal Slabs are used for a wide range of thermal and acoustic insulation applications in buildings, building services and industry.

## Standards

RocksilK Universal Slabs are made from non-combustible inorganic rock wool, defined as mineral wool in BS 3533: 1981 and are manufactured to a Quality Assurance system which complies with BS EN ISO 9001:2000.

## Durability

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

## Environmental

RocksilK Universal Slabs 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 Universal Slabs have a Global Warming Potential of less than 5.

## Performance

### Thermal

The thermal conductivity of RocksilK Universal Slabs varies with density from 0.035 to 0.037 W/mK – see table overleaf.

### Fire

RocksilK Universal Slab is classified as Euroclass A1 to BS EN ISO 13501-1.

## Benefits

- Wide range of densities
- Non-combustible
- Excellent thermal and acoustic properties



## Product Data

Thickness	Thermal conductivity	Thermal resistance	Slab size	Slabs per pack	Area per pack
(mm)	(W/mK)	(m <sup>2</sup> K/W)	(mm)		(m <sup>2</sup> )
<b>RS33</b>					
100	0.037	2.70	1200 x 600	5	3.60
75	0.037	2.00	1200 x 600	7	5.04
60	0.037	1.60	1200 x 600	8	5.76
50	0.037	1.35	1200 x 600	10	7.20
40	0.037	1.05	1200 x 600	12	8.64
30	0.037	0.80	1200 x 600	18	12.96
<b>RS45</b>					
100	0.035	2.85	1200 x 600	5	3.60
75	0.035	2.10	1200 x 600	6	4.32
60	0.035	1.70	1200 x 600	8	5.76
50	0.035	1.40	1200 x 600	10	7.20
40	0.035	1.10	1200 x 600	12	8.64
30	0.035	0.85	1200 x 600	16	11.52
25	0.035	0.70	1200 x 600	20	14.40
<b>RS60</b>					
100	0.035	2.85	1200 x 600	4	2.88
75	0.035	2.10	1200 x 600	6	4.32
60	0.035	1.70	1200 x 600	7	5.04
50	0.035	1.40	1200 x 600	9	6.48
40	0.035	1.10	1200 x 600	11	7.92
30	0.035	0.85	1200 x 600	14	10.08
25	0.035	0.70	1200 x 600	18	12.96
<b>RS80</b>					
100	0.035	2.85	1200 x 600	3	2.16
75	0.035	2.10	1200 x 600	4	2.88
60	0.035	1.70	1200 x 600	5	3.60
50	0.035	1.40	1200 x 600	6	4.32
40	0.035	1.10	1200 x 600	7	5.04
30	0.035	0.85	1200 x 600	10	7.20
25	0.035	0.70	1200 x 600	12	8.64
<b>RS100</b>					
100	0.035	2.85	1200 x 600	3	2.16
75	0.035	2.10	1200 x 600	3	2.16
60	0.035	1.70	1200 x 600	4	2.88
50	0.035	1.40	1200 x 600	5	3.60
40	0.035	1.10	1200 x 600	6	4.32
30	0.035	0.85	1200 x 600	8	5.76
25	0.035	0.70	1200 x 600	10	7.20
<b>RS128</b>					
50	0.035	1.40	1200 x 600	4	2.88
<b>RS140</b>					
100	0.035	2.85	1200 x 600	2	1.44
75	0.035	2.10	1200 x 600	2	1.44
50	0.035	1.40	1200 x 600	3	2.16
40	0.035	1.10	1200 x 600	4	2.88
30	0.035	0.85	1200 x 600	6	4.32
<b>RS200</b>					
50	0.036	1.35	1200 x 600	3	2.16

All dimensions are nominal

Knauf Insulation Ltd  
PO Box 10, Stafford Road,  
St Helens, Merseyside,  
WA10 3NS

Customer Service (Sales) Tel: 0844 800 0135  
Technical Advisory Centre Tel: 01744 766666  
Literature Tel: 08700 668660  
[www.knaufinsulation.co.uk](http://www.knaufinsulation.co.uk)

## Fire Performance

Rocksilk Universal Slabs are classified as non-combustible to BS 476: Part 4: 1970 (1984) and Euroclass A1, Class 1 Surface Spread of Flame to BS 476: Part 7 1997 and Class 'O' to the Building Regulations.

## Moisture Resistance

Rocksilk Universal Slabs are non-wicking when tested to BS 2972: 1989: Section 12. When exposed to 90% relative humidity at 20°C, Rocksilk Universal Slabs absorb less than 0.004% of moisture.

## Vapour Resistance

Rocksilk Universal Slabs have a vapour resistance of 7.00 MN.s/g.m

## Operating Temperatures

Rocksilk Universal Slabs can be used up to continuous operating temperatures of 850°C. This is dependent on density.

## Handling and Storage

Rocksilk Universal Slabs are easy to handle and install, being lightweight and easy to cut to size.

Rocksilk Universal Slabs are supplied in packs in Supakube pallets. For longer term outside storage (stock or site) the pallets should be stored under a secure waterproof covering.

Rocksilk Universal Slabs should not be left permanently exposed to the elements.

For more information please refer to the Knauf Insulation, Insulation Solutions for Buildings binder sections :  
Internal Partitions: Residential  
Ref: B/R/IW/1

Ref: RD60506

**KNAUF**INSULATION