

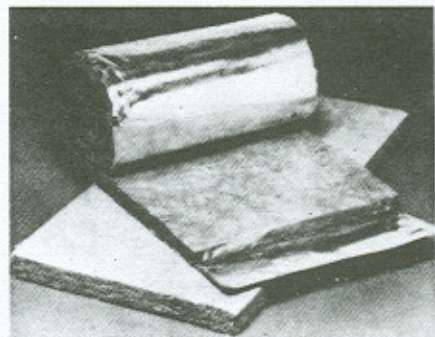
Fibertex-B100 Building Blanket Fibertex-R100 Rigid Board

Rockwool Data Sheet

Product Description

Fibertex-B100 and R100 are high density thermal and acoustic insulation, specially designed for building application. They consist of long, fine fibres spun from molten natural rock bonded by thermo-setting resin.

Fibertex-B100 is supplied in flexible roll form and Fibertex-R100 is supplied as rigid sheet which not easy to bend. Slitting or kerfing should need to conform curved surface for closely attachment.



Fibertex-B100, R100 Rockwool

Applications

Both products especially suitable for applications requiring rigidity and compressive strength as well as superior thermal and acoustic performance. Such applications include built up roofing, acoustic screen, floating floor and fire door.

Furthermore they can be used as thermal insulation under concrete soffit and in external wall where high density insulation is required.

Standard Sizes & Packaging

Thickness (mm)	Sheet Size (mm x mm)	Pieces/Pack	Blanket Size (mm x mm)	Pieces/Pack
25	1200 x 600	12	5000 x 600	1
30	1200 x 600	8	5000 x 600	1
40	1200 x 600	6	5000 x 600	1
50	1200 x 600	6	5000 x 600	1
60	1200 x 600	5	4000 x 600	1
70	1200 x 600	4	3000 x 600	1
80	1200 x 600	3	2000 x 600	1
90	1200 x 600	3	2000 x 600	1
100	1200 x 600	3	2000 x 600	1
120	1200 x 600	2		
150	1200 x 600	2		

Note: Not all of these standard sizes are held in stock. Some are subject to minimum order quantities. Standard packaging is shrink-wrapped.

Factory Applied Facings

Both products are available to order with wide ranges of factory facings such as various grades of aluminium foil, fibreglass cloth, flex-skin (polyester) laminate.

Nominal Density

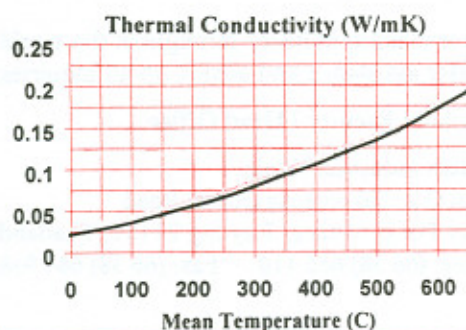
100 kg/m³ (6-1/4 lb/ft³).

Maximum Service Temperature

Recommended operating temperature up to 650 °C (1202 °F)
Capability of handling intermittent temperature up to 1000 °C (1832 °F)

Thermal Conductivity

0.034 W/mK at 20 °C mean temperature (0.235 Btu in/ft²h°F at 68 °F)



Thickness (mm)	Thermal Resistance	
	m ² K/W	ft ² h°F/Btu
50	1.47	8.4
60	1.77	10.0
70	2.06	11.7
80	2.35	13.4
90	2.65	15.0
100	2.94	16.7

Microbial Resistance

Bradford Rockwool should not support microbial growth such as bacteria and fungi.

Fire Performance

Fibertex-B100, R100 achieve four zero of Early Fire Hazard Indices when tested with AS 1530:Part 3;1976 (same as BS 476:Parts 5, 6 and 7;1967) for non-combustible material.

Ignitability	(0-20)	0
Spread of Flame	(0-10)	0
Heat Evolved	(0-10)	0
Smoke Developed	(0-10)	0

Moisture Resistance

Exposure to an atmosphere of 50 °C and 95% relative humidity for 96 hours results in moisture absorption of less than 0.2% by volume. Should insulation become wet, full thermal efficiency will be restored on drying out.

Corrosion Resistance

Fibertex-B100, R100 are faintly alkaline and not accelerated with steel, copper, or aluminium. When tested in accordance with BS 3958: Part 5; 1969, results in range of pH 7.5 to 8.0. They contain less than 15ppm soluble chlorides.

Acoustic Properties

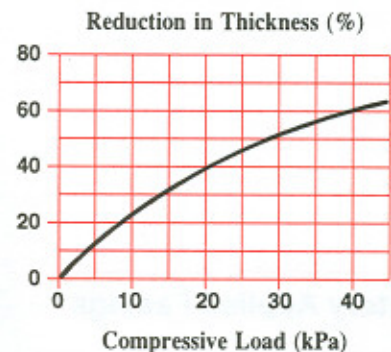
When tested in accordance with AS 1045;1971 will get sound absorption coefficient:

Thickness (mm)	Centre Frequency (Hz)							NRC*
	125	250	500	1000	2000	4000	5000	
25	0.21	0.29	0.52	1.14	1.02	1.97	1.06	0.69
50	0.59	0.97	1.18	1.00	1.04	1.02	1.03	0.97

NRC* is the average sound absorption coefficient between 180 to 2800 Hz

Compression Resistance

Fibertex-B100, R100 are resilient material which readily returns to original shape after removal load. The result between reduction in thickness (%) versus compressive load (kPa) following BS-2972;1975 :



CSR Bradford Rockwool technology is well accepted and recognised by the insulation industry throughout the world. Our sales and technical executives are well trained and always prepared to offer assistance and advice on all inquiries.

CSR Insulation (Thailand) Ltd.

Bangkok Office

52/160 Soi Pracharuamjai, Krungthep Kreetha Road
Sapansoong, Bangkok 10250, Thailand
Phone : (66 2) 736 0924 Fax : (66 2) 736 0934
E-mail : csrthai@rayong.csr.com.au

Thailand Factory / Head Office

Eastern Industrial Estate
1 Soi G 2, Pakornsongkrohraj Road
Huay Pong, Muang, Rayong 21151, Thailand
Phone: (66 38) 685 110 Fax: (66 38) 684 938

Australia * Malaysia * Singapore * China * Thailand

HELPING THAILAND CONSERVE ENERGY

CSR web site : <http://www.csr.com.au>

CSR's policy is one of continual product development. Therefore, details as published may be subject to change.