

ROCKWOOL

FIBERTEX-B40 Building Blanket

FIBERTEX-R40 Rigid Board

DATA SHEET

Product Description

Fibertex-B40 and R40 are an economical lightweight mineral fibre for thermal and acoustic insulation, specially designed for building application. They consist of long, fine fibres spun from molten natural rock bonded by thermosetting resin.

Fibertex-B40 is supplied in flexible roll form for ease of installation over large areas such as roofing, siding.

Fibertex-R40 is supplied as sheet for better rigid application.



Fibertex-B40, R40 Rockwool

Applications

Fibertex-B40 is suitable for lining underside of metal sheet roof, inside of wall siding, in order to reduce heat gaining, absorb rain noise into the building.

Fibertex-B40 is easily installed on building envelopes. Firstly, preparing wire mesh to support blanket, then lining insulation inside, finally closing sheet to be finished.

Fibertex-R40 often used as infill in cavity wall or partition to improve thermal resistance and sound attenuation.

Standard Sizes & Packaging

Thickness (mm)	Blanket Size (mm x mm)	Pieces/ pack	Sheet Size (mm x mm)	Pieces/ pack
50	7500 x 1200	1	1200 x 600	6
60	5000 x 1200	1	1200 x 600	5
70	5000 x 1200	1	1200 x 600	4
80	2000 x 1200	1	1200 x 600	3
90	2000 x 1200	1	1200 x 600	3
100	2000 x 1200	1	1200 x 600	3

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

Nominal Density

40 kg/m³ (2-1/2 lb/ft³).

Maximum Service Temperature

Recommended operating temperature up to 250 °C (480 °F)
Capability of handling intermittent temperature up to 1000 °C (1832 °F)

Fusion Temperature

Fusion temperature or Melting point of rockwool at 1350 °C (2462 °F)

Thermal Conductivity

0.036 W/mK at 20 °C mean temperature (0.25 Btu in/ft²h°F at 68 °F)

Thickness (mm)	Thermal Resistance	
	m ² K/W	ft ² h°F/Btu
50	1.39	7.9
60	1.67	9.5
70	1.95	11.1
80	2.23	12.6
90	2.50	14.2
100	2.78	15.7

Linear Shrinkage

Exposure to operating temperature, Bradford Rockwool should not shrink over 2.0%

Microbial Resistance

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

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.

Fire Performance

Fibertex-B40, R40 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). They do not ignite, spread flame, evolve heat, or develop smoke, so they are 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. Water repellent grade according to BS 2792 - 12 is available on request.

Corrosion Resistance

Fibertex-B40, R40 are faintly alkaline and not accelerated with steel, copper or aluminum. To maintain this condition, protection must be provided against contamination from external surrounding. 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 a reverberation room in accordance with AS 1045;1971, Fibertex-B40, R40 achieve values of sound absorption coefficient as shown in the table.

Thickness (mm)	Centre Frequency (Hz)							
	125	250	500	1000	2000	4000	5000	NRC ⁺
50	0.21	0.56	0.90	0.88	0.85	0.88	0.88	0.80

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

Safety of Product

Fibertex-B40, R40 completely free from Asbestos, so that no health hazard affected to person from handling, installing, and long term application. Further information and Material Safety Data Sheet (MSDS) available upon request.

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