

Fibertex 450 Rockwool

INTRODUCTION

Bradford Fibertex 450 is a general purpose industrial insulation for use on process equipment, vessels, tanks & reactors. It is light duty thermal and acoustic insulation suitable for continuous operation up to 450°C .

PRODUCT DESCRIPTION

Bradford Fibertex 450 Rockwool is a lightweight medium density insulation product. Fibertex 450 is manufactured from spinning a molten mixture of natural rock and recycled product into fine wool like fibers. The inorganic fibers are bonded together using a thermosetting resin to form the final product.

APPLICATIONS

Fibertex 450 can be used in applications such as process temperature control, energy conservation, condensation prevention, acoustic absorption treatment and personal protection from plant and equipment.

Bradford Fibertex 450 is easily installed by impaling the batts or blankets on weld pins and securing with speed clips. The un-faced surface is to be applied to the hot surface to be insulated. On small vessels the insulation may be simply retained by wire mesh or metal bands. For acoustic panel applications ensure cavity dimension is equal or less than product thickness.

BENEFITS

- Lightweight highly durable insulation product
- Easily forms shape of equipment to be insulated
- Excellent cost effective solution
- Non-combustible
- Low chloride content
- Bio-soluble & safe to use product

AVAILABLE FACINGS

Fibertex 450 is available as either un-faced board or blanket. Foil facing enhances the flexibility, handling and tensile strength, available by request.

HEALTH & SAFETY

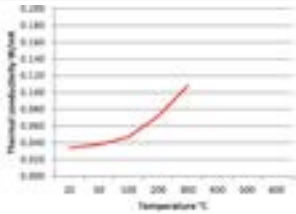
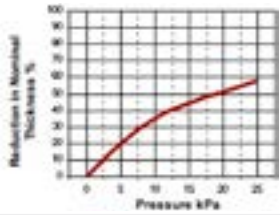
This product is manufactured to the latest Fiber Biosoluble (FBS-1) Rockwool formulation and is not classified as hazardous according to the criteria of the ASCC guidelines. For further information refer to the MSDS sheet.

SKU TABLE

THICKNESS (mm)	LENGTH (mm)	WIDTH (mm)	THERMAL RESISTANCE MATERIAL R-VALUE	PIECES PER PACK	M ² PER PACK
BOARD					
25	1200	600	0.7	12	8.64
50	1200	600	1.5	6	4.32
75	1200	600	2.1	4	2.88
FOIL FACED BLANKET					
25	4000	600	0.7	2	4.8
50	4000	600	1.5	1	2.4
75	4000	600	2.1	1	2.4

Fibertex 450 Rockwool

PHYSICAL PROPERTIES

DENSITY	kg/m ³	80
MAXIMUM SERVICE TEMPERATURE		450°C
THERMAL CONDUCTIVITY	Based on measurements obtained with guarded hot-plate apparatus in accordance with BS874-1973	
FIRE HAZARD PROPERTIES	AS/NZS 1530.3:1999	<ul style="list-style-type: none"> • Ignitability: 0 • Spread of flame: 0 • Heat Evolved: 0 • Smoke Developed: 0
COMPRESSIVE RESISTANCE	Based on measurements obtained under compressive load, measured in accordance with BS2972-1975	
CORROSION RESISTANCE	BS 3958 part 5- 1969	pH 7.5-9.0; Less than 20ppm soluble chlorides
MOISTURE ABSORPTION	ASTM C1104	Less than 0.2% by volume.
FLOW RESISTIVITY		3.3 x 10 ⁴ mks Rayls/m.
SAMPLE SPECIFICATIONS	Install Bradford Fibertex 450 in accordance with manufacturers written installation instructions.	

SOUND ABSORPTION

When tested in a reverberation chamber in accordance with ASTM C423-01.

PRODUCT	THICKNESS (mm)	FREQUENCY (Hz)							
		125	250	500	1000	2000	4000	5000	NRC
Plain	25	0.07	0.26	0.80	1.09	1.09	1.07	1.08	0.80
	50	0.21	0.77	1.11	1.15	1.10	1.10	1.10	1.05
	75	0.49	1.13	1.12	1.13	1.10	1.07	1.16	1.10

FLEXIBILITY

BLANKET THICKNESS (mm)	25	50	75
MINIMUM BENDING DIAMETER (mm)	200	450	900



CSR Bradford
 Locked Bag 1345 North Ryde BC NSW 1670
csrbradford.com.au
 Email: bradfordenquiries@csr.com.au

For further information
 call **1300 850 305** or
 visit bradfordinsulation.com.au



CSR Bradford is a business division of CSR Building Products Limited ABN 55 008 631 356

The contents of this brochure are copyright protected and may not be reproduced in any form without prior written consent of CSR Bradford. Recommendations and advice regarding the use of the products described in this brochure are to be taken as a guide only, and are given without liability on the part of the company or its employees. We reserve the right to change product specifications without prior notification, please refer to the CSR Bradford website for the latest revision of this document. The purchaser should independently determine the suitability of the product for the intended use and application.