

# 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 SUI sheet.

## SKU TABLE

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

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## PHYSICAL PROPERTIES

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

## 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



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