



# FIBRETEX HD ROCKWOOL

## Introduction

Bradford Fibretex HD is a high density industrial insulation for use in applications where high compressive resistance is required. It is a heavy duty thermal and acoustic insulation suitable for continuous operation up to 450°C

## Product Description

Bradford Fibretex HD Rockwool is a robust ultra high density insulation product with superior resistance to compression. Fibretex HD is manufactured from spinning a molten mixture of natural rock and recycled products into fine wool like fibres. The inorganic fibres are bonded together using a thermosetting resin to form the final product. The product can be identified by its dark green/brown appearance.

## Applications

Fibretex HD can be used in applications where operating temperatures do not exceed 450°C and require resistance to compression. These products can be used for process temperature control, energy conservation, condensation prevention, acoustic absorption treatment, control of vibration and personnel protection from plant and equipment. Typical applications include;

- Vibration damping in walls, floors and other structural elements.

Bradford Fibretex HD is easily installed by impaling the batts on weld pins and securing with speed clips. Alternatively, the insulation may be retained by metal bands, wire mesh, or expanded metal. Please note because of the semi-rigid nature of Fibretex HD, it does not easily conform to curved surfaces. Slitting, kerfing or cutting into segments may be necessary.

A weatherproof finish such as aluminum cladding is recommended. Where a short term weather proof finish is required, use Bradford Thermofoil™ Facing.

On small vessels the insulation may be simply retained by wire mesh or metal bands.

## Benefits

- Highly durable insulation product
- Has high compression resistance
- Able to be used at high temperatures
- Excellent and cost effective thermal insulation
- Performance is not adversely effected from contact with water
- Non combustible
- Low chloride content resulting in less corrosion of insulated steel process equipment
- Biosoluble and safe to use product

## Available Facings

Fibretex HD is available as either un-faced Semi-rigid boards or Flex-Skin faced blankets. Flex-Skin blankets incorporate a non woven fabric facing that enhances flexibility, handling and tensile strength. For mesh faced products please refer to Bradford Fibremesh range of products. Please note a range of facings are available to meet your requirements - contact Bradford for more information.

## Health and Safety

This product is manufactured to the latest Fibre Bio-Soluble (FBS-1) Rockwool formulation and is not classified as hazardous according to the criteria of the ASCC (formally NOHSC) guidelines. For further information refer MSDS sheet on Bradford website.

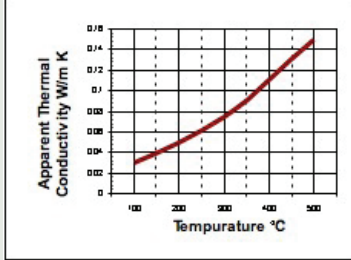
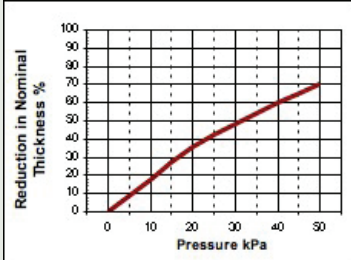
## SKU Table

Board	Thickness (mm)	Length (mm)	Width (mm)	Pieces per Pack	Nominal M2 per pack
	50	1500	900	3	4.1

Standard packaging is polythene bags **Note:** not all sizes are held in stock. Some are subject to minimum order quantities. Published weights are for product only and do not include packaging.

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## Physical Properties

<b>Density</b>	kg/m <sup>3</sup>	120
<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
<b>Moisture Absorption</b>	When placed in a controlled atmosphere of 50°C and 95% relative humidity for 96 hours.	Less than 0.2% by volume.
<b>Flow Resistivity</b>		$\times 10^4$ mks Rayls/m.

## Sound Absorption

When tested in a reverberation chamber in accordance with AS 1045-1988

Product	Thickness (mm)	Frequency (Hz)							
		125	250	500	1000	2000	4000	5000	NRC
Plain	25	0.02	0.30	0.82	1.10	1.06	1.02	1.20	0.77
	50	0.50	0.74	1.20	1.20	0.98	1.14	1.19	0.95