



FIBERTEX 350 ROCKWOOL

Introduction

Bradford Fibertex 350 is a general purpose industrial insulation for use on process equipment, vessels, tanks and reactors. It is a light duty thermal and acoustic insulation suitable for continuous operation up to 350°C.

Product Description

Bradford Fibertex 350 Rockwool is a lightweight medium density insulation product. Fibertex 350 is manufactured from spinning a molten mixture of natural rock and recycled products into fine wool like fibers. The inorganic fibers are bonded together using a thermosetting resin to form the final product. The product can be identified by its dark green/brown appearance.

Applications

Fibertex 350 can be used in applications where operating temperatures do not exceed 350°C such as process temperature control, energy conservation, condensation prevention, acoustic absorption treatment and personnel protection from plant and equipment.

Typical applications include:

- storage tanks
- precipitators
- air conditioning ductwork
- reactors
- stacks
- refrigeration equipment
- large diameter piping
- party walls

Bradford Fibertex 350 is easily installed by impaling the batts or blankets on weld pins and securing with speed clips. The un-faced surface of the Rockwool Batt or Blanket 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 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

Fibertex 350 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 Fibermesh range of products. Please note a range of facings for Fibertex 350 are available to meet your requirements - contact Bradford for more information.

Health and Safety

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

SKU Table

Thickness (mm)	Standard Size (mm x mm)	Form	Pieces per Pack	M ² per pack
25	1500 x 900	Board	12	16.2
25	1500 x 1200	Board	6	10.8
25	3600 x 750	Blanket	2	5.4
38	1500 x 900	Board	8	10.8
38	3600 x 750	Blanket	2	5.4
50	1500 x 900	Board	6	8.1
50	1500 x 1200	Board	3	5.4
50	3600 x 750	Blanket	1	2.7
63	1500 x 900	Board	4	5.4
75	1500 x 900	Board	4	5.4
75	1500 x 1200	Board	2	3.6
75	3600 x 750	Blanket	1	2.7
100	1500 x 900	Board	3	4.05
100	1500 x 1200	Board	2	3.6
100	3600 x 750	Blanket	1	2.7

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SKU Table cont.

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.

Physical Properties

Density	kg/m ³	60
Maximum Service Temperature		350 °C Flex Skin Surface: 180 °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	When placed in a controlled atmosphere of 50°C and 95% relative humidity for 96 hours.	Less than 0.2% by volume.
Flow Resistivity		2.2 x 10 ⁴ mks Rayls/m.
FRL	For systems that require fire resistance levels such as published by CSR Gyprock or CSR Hebel, refer to specific system details for performance.	
Sample Specification	Install Bradford Fibertex 350 in accordance with manufacturers written installation instructions.	

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	0.18	0.29	0.69	0.86	1.05	1.2	1.16	0.71
	50	0.21	0.69	1.13	1.15	1.16	1.18	1.14	1.05
Faced	25	0.14	0.38	0.87	1.07	1.06	0.9	0.79	0.85
	50	0.31	0.83	1.16	0.99	0.9	0.78	0.73	0.97

Flexibility

Blanket Thickness (mm)	25	38	50	63	75
Minimum Bending Diameter (mm)	150	200	300	400	600