Bradford™
for smarter environments

FIBERTEX 650 ROCKWOOL

FIBERTEX 650 ROCKWOOL – DATA SHEET

Introduction

Bradford Fibertex 650 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 650ºC .

Product Description

Bradford Fibertex 650 Rockwool is a lightweight medium density insulation product. Fibertex 650 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 650 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 650 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 650 is available as either un-faced board or as a foil faced blanket. Foil facing enhances the flexibility, handling and tensile strength.

Health & 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 guidelines. For further information refer to the MSDS sheet.

SKU Table

Board					
Thickness (mm)	**Length (mm)**	**Width (mm)**	**Thermal Resistance Material R-Value**	**Pieces Per Pack**	**M2 Per Pack**
25	1200	600	0.7	10	7.2
50	1200	600	1.5	6	4.32
75	1200	600	2.1	4	2.88
100	1200	600	2.9	3	2.16
Foil Faced Blanket					
25	4000	1200	0.7	2	4.8
50	4000	1200	1.5	1	2.4
75	4000	1200	2.1	1	2.4

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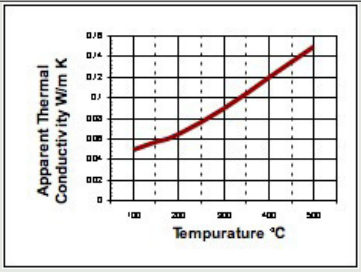
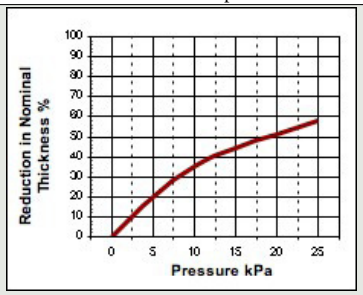
Physical Properties

Density	kg/m^3	100
Maximum Service Temperature		650˚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	• 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		5 x 10^{4}mks Rayls/m.
Sample Specification	Install Bradford Fibertex 650 in accordance with manufacturers written installation instructions.	

Sound Absorption

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

Product	**Thickness**	**Frequency (Hz)**							
	(mm)	125	250	500	1000	2000	4000	5000	NRC
Plain	25	0.07	0.26	0.80	1.08	1.12	1.14	1.11	0.80
	50	0.27	0.90	1.09	1.09	1.08	1.12	1.09	1.05
	75	0.54	1.03	1.11	1.11	1.08	1.09	1.17	1.10

Flexibility

Blanket Thickness (mm)	25	50	75
Minimum Bending Diameter (mm)	300	600	1100

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