Bradford™
for smarter environments

FIBERTEX SPI

FIBERTEX SPI – DATA SHEET

Introduction

Bradford Fibertex SPI is preformed moulded sectional pipe insulation to limit energy loss or provide personel protection from industrial piping suitable for continuous operation up to 650˚C.

Product Description

Bradford Fibertex Sectional Pipe Insulation (SPI) Rockwool is manufactured from spinning a molten mixture of natural rock and recycled products into fine wool like fibers. SPI is rolled into shape and the inorganic fibers are bonded together using a thermosetting resin to form the final product. This process ensures the fiber orientation is perpendicular to the heat flow ensuring maximum thermal performance Rockwool SPI is available in 1200mm long pipe sections of varying diameters and thicknesses. SPI are slit to facilitate easy installation over insitu piping. SPI diameters are manufactured to fit over standard piping sections. The product can be identified by its dark green/brown appearance.

Applications

Fibertex SPI can be used in applications where operating temperatures do not exceed 650˚C such as process temperature control, energy conservation, condensation prevention, acoustic absorption treatment and personnel protection from plant and equipment. Typical applications include piping associated with;

- boilers
- heat exchangers
- reactors
- ovens
- kilns
- autoclaves

Bradford Fibertex SPI comes as one piece which opens up to slip easily over and close up around piping ensuring simple and fast install. Banding or wire can be used to hold the SPI piece in place. Weather protective jacketing such as metal cladding may be required to protect the pipe insulation and piping from weather and mechanical damage.

Benefits

- Highly durable insulation product
- Able to be used at high temperatures
- Easily installed over insitu piping by one person
- 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 piping
- Biosoluble and safe to use product

Available Facings

Fibertex SPI is available as either un-faced or faced with a heavy duty Thermofoil™. The Thermofoil facing is selected when SPI is designed to control condensation, or act as a weather barrier or encapsulate pipes from corrosive environments. Please note a range of facings can be applied depending on your application - contact Bradford for further 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 (formally NOHSC) guidelines. For further information refer MSDS sheet on Bradford website.

SKU Table

Pipe Nominal Bore (mm)	Pipe OD (mm)	Lengths per Carton					
		25mm	38mm	50mm	63mm	75mm	88mm
	12.7	48	28	23	-	-	-
	15.9	46	25	-	-	-	-
	19.1	42	20	-	-	-	-
15	21.3	40	21	14	-	-	-
	25.4	34	16	-	-	-	-
20	26.9	36	18	14	8	4	-
	31.8	30	-	-	-	-	-
25	33.7	28	18	11	8	6	4
	38.1	25	12	-	-	-	-
32	42.4	24	12	9	6	4	-

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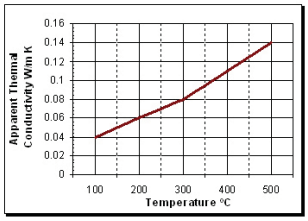
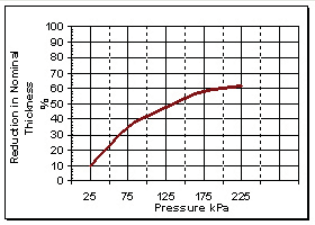
SKU Table Cont.

40	48.3	20	12	9	5	4	4
	50.8	20	12	9	5	-	-
50	60.3	17	10	8	5	-	-
	63.5	20	-	9	-	-	-
65	76.1	14	12	6	-	-	-
80	88.9	10	8	5	3	2	4
90	101.6	12	9	4	-	-	3
100	114.3	8	5	3	2	2	2
	127	9	6	5	-	-	-
125	139.7	-	-	2	-	-	-
140	152.4	6	5	4	-	-	-
150	165.1/ 168.3	3	3	2	-	-	-
200	215.9/ 219.1	2	2	2	-	-	-

Physical Properties

Maximum Service Temperature		650°C
Thermal Conductivity	Based on measurements made with a guarded hot plate apparatus in accordance to draft AS DR77180	
Fire Hazard Properties	When tested in accordance to AS/NZS 1530.3:1999	• Ignitability: 0 • Spread of flame: 0 • Heat Evolved: 0 • Smoke Developed: 0
Corrosion Resistance	When tested in accordance with BS3958.5:1969	Faintly alkaline pH 7.5-9.0 Incapable of corroding steel Cloride <20ppm
Moisture Absorption	When left in a controlled atmosphere of 50°C and 95% relative humidity for four days	Less than 0.2% by volume
AS4859 Compliance	Complies with AS/NZ4859.1 "Materials for the thermal insulation of buildings"	Complies
Compression Resistance	Resilient insulation material, readily recovers to its nominal thickness after the removal of a normal compressive load.	

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