



## GLASSWOOL SPI

### Introduction

Bradford Glasswool SPI is a preformed Sectional Pipe Insulation for use on chilled water and process pipings.

### Product Description

Bradford Glasswool Sectional Pipe Insulation (SPI) is manufactured by spinning molten glass, containing up to 80% recycled content, into fine wool like fibres. These are bonded together using a thermosetting resin and moulded into 1200mm long pipe sections of varying diameters and thicknesses. Standard SPI diameters are manufactured to fit over standard piping sections.

### Applications

Bradford SPI is used in both commercial and industrial applications for the insulation of piping for heavy industrial plants, building services, heating and cooling water piping etc. It provides excellent thermal insulation up to a working temperature of 200°C as well as personnel protection and energy saving benefits.

Bradford SPI comes in a range of thicknesses that meet the performance requirements as set out by the New Zealand Building Code. Typical applications include;

- Process piping
- Piping related to HVAC systems

### Benefits

- Single piece and pre-slitted for easy installation by one person. Product is available in 1.2m lengths, facilitating faster and more economical installation
- Range of standard thicknesses to meet NZBC Energy requirements
- Biosoluble material - safe to use
- Up to 80% recycled content reducing burden on our environment
- If product becomes wet, no loss of properties occur after product is dried out

### Available Facings

Bradford Glasswool SPI is available faced with Thermofoil to provide some minor protection or un-faced to be covered by a suitable jacketing. Weather protective jacketing such as metal cladding may be required to protect the pipe insulation and piping from weather and mechanical damage

### Health and Safety

This product is manufactured to the latest Fibre Bio-Soluble (FBS-1) Glasswool 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	35mm	50mm	75mm
	12.7	72	36	-	-
	15.9	56	-	-	-
	19.1	56	30	-	-
15	21.3	56	30	18	-
	25.4	48	25	-	-
20	26.9	48	25	16	-
	31.8	42	-	-	-
25	33.7	36	23	15	-
	38.1	36	20	-	-
32	42.4	30	16	-	-
40	48.3	30	16	-	-
	50.8	25	16	12	-
50	60.3	23	15	9	-
	63.5	20	-	-	-
80	88.9	15	9	7	-
90	101.6	12	9	5	-
100	114.3	9	7	5	3
	127	9	5	-	-
125	139.7	-	-	4	-

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## SKU Table cont.

140	152.4	6	-	-	-
150	165.1/168.3	52	4	4	-
200			-	-	-

Products not stocked in NZ may be subject to minimum runs. Please check with the Bradford office before ordering.

## Physical Properties

<b>Maximum Service Temperature</b>		Glasswool: 350°C; Facing 70°C
<b>Thermal Conductivity</b>	Based on measurements made in accordance with AS2464:5 and AS2464:6	k= 0.032 W/mK; when tested at 20°C
<b>Fire Hazard Properties</b>	When tested in accordance to 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>Corrosion Resistance</b>	When tested in accordance with BS 3958.5:1969	pH 7.5-8.0 Incapable of corroding steel
<b>Moisture Absorption</b>	When left in a controlled atmosphere of 50°C and 95% relative humidity for four days	Less than 0.2% by volume
<b>AS4859 Compliance</b>	Complies with AS/NZ4859.1 "Materials for the thermal insulation of buildings"	Complies
<b>Sample Specification</b>		The insulation shall be Bradford Glasswool Sectional Pipe Insulation Internal Diameter XXX, of thickness XXX of 1.2m lengths or approved equivalent. Refer to manufacturers written installation instructions for correct installation and relevant New Zealand standards and local building codes.