ECOWOOL SPI

DESCRIPTION
ECOWOOL SECTIONAL PIPE INSULATION (SPI) is manufactured from rigid glass mineral wool pre-moulded into one-piece cylindrical sections. These sections are slit along one wall to allow the insulation to be opened and installed over piping. The combination of these materials creates an easily installed, damage-resistant pipe insulation with high thermal efficiency, exceptional sound absorption properties and an increased operating temperature limit.

APPLICATIONS
It is designed to be used on commercial, power or process lines where fire safety and a pleasing appearance are desired. The pipe insulation can be used on cold and chilled water lines, brine, refrigerant and special process lines when the joints are sealed to prevent moisture migration. The glass mineral wool insulation has a operating temperature limits between -18°C to 454°C.

FACTORY APPLIED JACKET
Available in a variety of factory applied jacket where extra protection of the outer surface or condensation control is required.

ADVANTAGES
High Insulating Efficiency. Excellent thermal conductivity values.

Precise and Quick fabrication. Unique fibre network pattern that allows for precise and quick fabrication on the job.

Optimal fibre diameter. Optimal fibre diameter ranging from 4-5 microns produces more air pockets which enables the insulation to provide a better and enhanced performance.

Better fibre network. Fine, longer and evenly distributed fibre network helps in creating better tensile strength allowing the insulation to demonstrate superior durability.

Less dusty and less itchy. Specifically engineered to produce a comfortable and less dusty insulation. It creates a pleasant work experience by reducing the tingling feeling during installation.

Economical to Apply. Lightweight, simplicity of design and easily fabricated, one-piece construction speeds on-the-job handling and application.

Time and Cost Reduction. Costs less than other types of insulation used in its temperature range.

Spring Hinge. One-piece construction with full-length 'spring hinge' opening helps speed jobsite installation.

Lightweight. Lightweight and easy to handle. Only three carton sizes are required to handle most pipe sizes and thicknesses.

Durable. The life span of sectional pipe insulation is further enhanced by the ability of the fibre glass to resist damage from shrinking, swelling, rot and other forms of potential deterioration.

PRODUCT RANGE
Manufactured in 1 metre length and in a range of thicknesses to enable compliance with BS5422 and beyond. The pre-formed pipe sections are produced to fit all British Standard steel and copper pipe sizes.

Alkalinity. pH 6~7.

Corrosion Resistance. Chemically inert. Will not cause or accelerate corrosion of steel, stainless steel, copper or aluminum due to its specifically inorganic and mineral composition. Tested and complies with ASTM C665

THERMAL CONDUCTIVITY
Tested and complies with ASTM C518 at 23°C mean temperature.

Density	K- Value (W/m K)
64kg/m^3	0.0309
80kg/m^3	0.0309
96kg/m^3	0.0309

AVAILABLE JACKET
- FSK – Foil Scrim Kraft
- FRK - Foil Reinforced Kraft Paper
- Sisalation Foil
- Kraftless Foil

Read This Before You Buy
Insulation's effectiveness is measured in R-Value. R stands for the insulation's resistance to heat flow; heat escapes from your building and heated air enters your building. The higher the R-Value, the greater the resistance to heat flow and the greater your potential for saving energy, natural resources and money. Compare insulation R-Values before you buy.

R-Value = Thickness / K-Value

THERMAL

TECHNICAL DATA SHEET

ECOWOOL SPI

PRODUCTS AVAILABLE

Density (kgs/m3) : 96 Thickness (mm) : 15,20,25,30,32,38,40,50,60,65,70,75			Density (kgs/m3) : 80 Thickness (mm) : 15,20,25,30,32,38,40,50,60,65,70,75			Density (kgs/m3) : 64 Thickness (mm) : 20,25,30,32,38,40,50,60,65,70,75			Density (kgs/m3) : 56 Thickness (mm) : 25,30,32,38,40,50,60,65,70,75		
TYPE		OD (mm)	TYPE		OD (mm)	TYPE		OD (mm)	TYPE		OD (mm)
COPPER	S	16 22 28.7 35 54	COPPER	S	16 22 28.7 35 54	COPPER	S	16 22 28.7 35 54	COPPER	S	16 22 28.7 35 54
	M	67		M	67		M	67		M	67
STEEL	S	21.5 26.9 33.8 42.2 48.4 60.4	STEEL	S	21.5 26.9 33.8 42.2 48.4 60.4	STEEL	S	21.5 26.9 33.8 42.2 48.4 60.4	STEEL	S	21.5 26.9 33.8 42.2 48.4 60.4
	M	76.1 88.8 101.5 114.2		M	76.1 88.8 101.5 114.2		M	76.1 88.8 101.5 114.2		M	76.1 88.8 101.5 114.2
	L	141.1 168.5 219 273.5 324 355		L	141.1 168.5 219 273.5 324 355		L	141.1 168.5 219 273.5 324 355		L	141.1 168.5 219 273.5 324 355
OTHERS	S	12.7 19.1 25.4 31.8 38.2 50.7	OTHERS	S	12.7 19.1 25.4 31.8 38.2 50.7	OTHERS	S	12.7 19.1 25.4 31.8 38.2 50.8	OTHERS	S	12.7 19.1 25.4 31.8 38.2 50.7
	M	63.4 73 108 113.5		M	63.4 73 108 113.5		M	63.5 73 108 113.5		M	63.4 73 108 113.5
	L	127.1 152.4 193.7		L	127.1 152.4 193.7		L	127.1 152.4 193.7		L	127.1 152.4 193.7

Short Form Specification (unfaced)

All glass mineral wool sectional pipe insulation shown on drawings or specified herein shall be "ECOWOOL SPI" _____kg (96kg/m^3, 80kg/m^3, 64kg/m^3 and 56kg/m^3) with ____mm (OD) and thickness of ____mm.

Short Form Specification (faced)

All glass mineral wool sectional pipe insulation shown on drawings or specified herein shall be ECOWOOL SPI ____kg/m^3 (96kg/m^3, 80kg/m^3, 64kg/m^3 and 56kg/m^3) with ____mm (OD) and thickness of ____mm. The product shall be faced with ____(FSK/FRK/Sisalation Foil/Kraftless Foil)

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of sound control thermal and acoustical glass mineral wool insulation listed herein represent typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

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