

FIREPRO CENTABUILD INSULATION

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CI/SfB

SFG PIPES DATASHEET - AUG08

Product specifications
can change. Contact
us to ensure you have
our latest datasheet

FIREPRO SFG PIPE INSULATION

DESCRIPTION

SFG Pipe Insulation is composed of glass fibre moulded into rigid, preformed sections of specific diameter and thickness. SFG Pipe Insulation is available in a wide range of pipe sizes and wall thicknesses, in both plain and foiled; foiled sections have a longitudinal overlapped edge complete with double-sided tape.



APPLICATION

SFG Pipe Insulation is recommended for use on all hot, cold, concealed, and exposed piping operating at temperatures from -18°C to 450°C in residential and commercial buildings and industrial facilities. Outdoor or direct bury applications require additional waterproof protection such as metal cladding. See details over for limitations on facing temperature.

FEATURES & BENEFITS

Thermal Performance

SFG Pipe Insulation contributes to lower operating costs and increases efficiency of heating and cooling equipment.

Condensation Control

Foiled pipe sections provide low permeance and a positive vapour seal when properly installed. Condensation is controlled, thereby maintaining thermal efficiency and preventing dripping water. Factory applied foil rather than field application of foil ensures a superior finished appearance and facilitates positive closure of the vapour barrier.

Non-Combustibility

SFG Pipe Insulation is non-combustible. The low flame spread of both foiled and plain pipe insulation contributes to safety in any type of construction.



NOTE: The technical information and suggestions for use and application presented herein represent the best information available to us and are believed to be reliable. They should not however be construed as controlling suggestions and there is no warranty of performance of our materials either expressed or implied. We urge that users of our materials conduct confirmatory tests to determine final suitability for their specific end uses. All dimensions are nominal. We reserve the right to make changes or to withdraw designs and products without notice.

Thermal Conductivity

Mean Temp °C	Thermal Conductivity W/m.K
10	0.03
24	0.03
38	0.04
66	0.04
98	0.04
121	0.05
149	0.06
177	0.06
204	0.07
232	0.07
260	0.08

Thermal Performance

Pipe Size Nominal mm	Insulation Thickness mm	Pipe Operating Temperature °C					
		149		280		371	
		HL	ST	HL	ST	HL	ST
50.8	12.7	74	53				
101.6	25.4	75	43				
203.2	25.4	135	44				
304.8	25.4	191	45				
50.8	38.1			85	47		
101.6	38.1			137	51		
203.2	38.1			233	53		
304.8	38.1			317	54		
50.8	50.6					134	53
101.6	63.5					181	52
203.2	63.5					284	54
304.8	76.2					345	52

Heat Loss (HL), w/m; Surface Temperature (ST), °C. Design Conditions; Horizontal piping, 27°C average ambient temperature, 0 Kph wind speed.

Thickness to Prevent Surface Condensation, mm.

Ambient Temperature °C	Relative Humidity	System Operating Temperatures		
		2°C	7°C	13°C
43	50% - 70%	25	25	25
	80.00%	38	38	25
	90.00%	89	76	64
38	50% - 70%	25	25	25
	80.00%	38	38	25
	90.00%	76	76	64
32	50% - 70%	25	25	25
	80.00%	38	25	25
	90.00%	76	64	51
27	50% - 80%	25	25	25
	90.00%	64	51	38
21	50% - 80%	25	25	25
	90.00%	38	38	25

Also Available
Firepro also stock other types of fibreglass pipe sections providing most common performance requirements.

Physical Property

Property	Specification
Operating Temperature Range	-18°C to 450°C
Facing Temperature Limitation	-20°C to 115°C
Moisture Absorption	<1.5% by weight
Vapour Permeability	0.02 PERM maximum
Mold or Fungus Growth	will not support or promote
Length	1 Metre
Density	64Kg/M³