

U-Thermo Pipe Section



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Specifications

Rating: Not Rated Yet

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Description

APPLICATIONS

Thermal and acoustic insulation of pipe work in power generation, oil refineries, chemical plants and on industrial steam and process pipe work.

QUALITY MANAGEMENT SYSTEM

Isover products are manufactured according to ISO 9001:2008.

ENVIRONMENTAL SUSTAINABILITY

Isover products are manufactured according to ISO 14001:2004.

Less material, less energy and less emissions

- Zero ozone depleting potential (ODP)
- Zero global warming potential (GWP)

FEATURES & BENEFITS

- Mineral wool developed for high temperature applications
- Excellent lambda values (thermal conductivity) which reduces heat loss
- Shot free
- Lightweight products, easy to handle
- Soft touch, easy cutting
- Outstanding flexibility; pipe sections can be opened and closed several times without breaking into two pieces
- Fast and efficient installation
- Chemically inert and when applied under controlled conditions will not promote or cause corrosion
- Meets the European criteria in being non hazardous to health (EUCEB certificate)

FIRE PROPERTIES

Non-combustible, fire class A1, according to EN 13 501
 Non-combustible - tested to SANS 10177-5

ACOUSTIC PERFORMANCE

Will provide effective acoustical insulation where there is a need to reduce noise levels from pipe work. Actual performance varies with thickness and surface finish.

CORROSIVITY

U Thermo Pipe typically contains less than 10ppm chloride (SABS Method 1119-1988).



DURABILITY

- Will not sustain vermin
- Will not breed or promote fungi, mould or bacteria
- Will not settle under vibration
- Rot proof
- Dimensionally stable but care must be exercised to limit moisture ingress as this not only compromises the structural integrity but interferes with the thermal resistance properties of the products as well.

THERMAL CONDUCTIVITY

THE THERMAL CONDUCTIVITY (according to EN 8 497)

Thickness (mm)	0.05	0.10	0.20	0.40
15	0.035	0.035	0.035	0.035
20	0.035	0.035	0.035	0.035
25	0.035	0.035	0.035	0.035
30	0.035	0.035	0.035	0.035
40	0.035	0.035	0.035	0.035
50	0.035	0.035	0.035	0.035
60	0.035	0.035	0.035	0.035
75	0.035	0.035	0.035	0.035
100	0.035	0.035	0.035	0.035
150	0.035	0.035	0.035	0.035
200	0.035	0.035	0.035	0.035
250	0.035	0.035	0.035	0.035
300	0.035	0.035	0.035	0.035

HANDLING & STORAGE

All U Thermo Pipe products should be stored and handled with care to maintain ex-works quality. The packaging (corrugated cartons) will provide some protection, but care should be taken to keep the material dry at all times. Extra protection should always be provided when storing the product outdoors.

THERMAL CONDUCTIVITY (according to EN 8 497)

DIMENSIONS

Nominal bore (mm)	Pipe Outside diameter (mm)	Wall thickness (mm)					
		15	20	25	30	40	50
15	21.3	*	*				
20	26.9	*	*	*			
25	33.7	*	*	*	*		
30	41.4	*	*	*	*	*	
40	48.3	*	*	*	*	*	*
50	60.3	*	*	*	*	*	*
60	76.1	*	*	*	*	*	*
75	91.9	*	*	*	*	*	*
100	114.3	*	*	*	*	*	*
150	168.3	*	*	*	*	*	*
200	219.1	*	*	*	*	*	*
250	273.0	*	*	*	*	*	*
300	323.9	*	*	*	*	*	*

MAXIMUM SERVICE TEMPERATURE (MST) under 500Pa (according to EN 14 707)

The Maximum Service Temperature according to EN 14 707 is the temperature for which the deformation of the insulation material is less than 5% under a load of 500Pa and when exposed to such temperature for a continuous period of 72 hours. This test method is a more stringent evaluation of the highest permanent, operating temperature the product can sustain.

Reviews

There are yet no reviews for this product.