



ALL THERM SERVICES INC.

LEADERSHIP THROUGH ENERGY CONSERVATION

ALL THERM 1200 MW PIPE INSULATION

Product Information

All Therm 1200 MW Pipe Insulation is a rigid, mandrel wound preformed pipe section made from mineral wool insulation. This inorganic product is designed for a wide range of piping systems with operating temperatures up to 1200 °F (650 °C). All Therm 1200 MW Pipe Insulation is well suited for all applications where superior thermal performance, personal protection and acoustical value is required.

All Therm 1200 MW Pipe Insulation is a cost effective energy saving product that is easy to handle and field fabricate. It is available in standard Iron Pipe sizes ranging from 1/2" to 36" pipe with insulation thickness ranging from 1" to 5" in 1/2" increments.

All Therm 1200 MW Pipe Insulation has been tested and meets the requirements of ASTM C 547-12.

Standard Test Methods

• ASTM C 547-12	Standard Specification for Mineral Fiber Pipe Insulation	Conforms Type I, II, IV – Grade A
• CAN/ULC S102	Standard Method Of Test For Surface Burning Characteristics	Flame Spread – 5 Smoke Developed – 0
• ASTM E84-12C	Standard Test Method For Surface Burning Characteristics	Flame Spread – 5 Smoke Developed – 0
• ASTM C167-09	Sag Resistance	Conforms
• ASTM C302-13	Density and Dimensions	Conforms
• ASTM C 335M-10e1	Thermal Conductivity	Conforms
• ASTM C 356-10	Linear Shrinkage	Conforms
• ASTM C 411-11	Hot Surface Performance	Conforms
• ASTM C 447-03(2010)	Maximum Temperature Usage (1200 degrees F – 650 C)	Conforms
• ASTM C 795 (2008)	Stainless Steel Stress Corrosion	Conforms
• ASTM C 1104	Water Vapor Sorption, % weight	Conforms
• ASTM C 1335-12	Non-Fibrous (Shot) Content, % by weight	Conforms

Thermal Conductivity (k)

Mean F	Temp C	Thermal Conductivity	
		(Btu.in/hr.ft ² .degree F)	W/m. C
100	38	.20	.028
200	93	.27	.038
300	149	.36	.051
400	204	.44	.063
500	260	.54	.077
600	316	.64	.092
700	371	.76	.11

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