



JACKETING INFO

Standard pipe insulation is furnished with no facing (plain) for sectional pipe sizes up to 2" NPS, with glass mat facing for 2" NPS and larger, and optional in all pipe sizes with ASJ/SSL

All Service Jacket with Self-Sealing-Lap. Other jacketing such as F.S.K. (FoilScrim-Kraft) and TGH-1000® are available upon request.

Caution: For high temperature applications, sufficient insulation thickness must be used to maintain outer surface temperatures below 150°F.(66°C) for ASJ and FSK facings.

THERMALLY EFFICIENT LIGHTWEIGHT STONE WOOL 8.0 LB/FT³ PIPE INSULATION

GreatRoc® Preformed is a molded pipe insulation manufactured from stone wool insulation that is water repellent and is engineered to meet the toughest industrial applications.

GreatRoc® Preformed Stone Wool pipe provides excellent thermal insulation performance for use on high temperature applications in process industries and fire resistant applications.

AVAILABILITY

GreatRoc® Preformed Pipe / Molded Pipe is a stone wool pipe that is manufactured in La Porte, Texas. It is optimal when dealing with long lead times, quick turnarounds, and tight project time demands.

Typical lead times are 5-7 business days for any size pipe with no limitations on ID, OD or thickness. Single layer is available in 1" up to 4" thickness. After 4" it will double per project requirement every ½" per ASTM C585. Anything larger than 48" OD will be fabricated in quad-segments.

COMPLIANCE

- ASTM C547, Mineral Fiber Pipe Insulation, Types I, II, and IV, Grade A
- ASTM C795, Thermal Insulation for Use in Contact with Austenitic Stainless Steel 1
- Nuclear Regulatory Commission Guide 1.36, Non-Metallic Thermal Insulation 1

SHIPPING CONFIGURATION

Product is shipped in pre-formed half cylinders.

TECHNICAL INFORMATION

Product Properties & Specification Compliance									
Properties	Performance								Test Method / Norms
Thermal Conductivity at mean temperature	Tm (°F)	100	200	300	400	500	600	700	ASTM C335
	λ (BTU.in/hr.ft2.°F)	0.24	0.3	0.35	0.38	0.46	0.55	0.59	
	Tm (°C)	38	93	149	204	260	316	371	
	λ (W/mK)	0.035	0.043	0.050	0.055	0.067	0.079	0.095	
Mineral Fiber Pipe Insulation	Complies								ASTM C547 Types I, II, IV Grade A
Dimensional Pipe Insulation	Complies								ASTM C585
Maximum use temperature	1,200°F (649°C)								ASTM C447
Sag resistance	≤ 2% at 1,200°F (649°C)								ASTM C411
Linear shrinkage	≤ 1% at 1,200°F (649°C)								ASTM C356
Nominal Density	8.0 pcf								ASTM C302
Water Vapor Sorption	<1% Weight								ASTM C1104
Water Absorption	≤0.04 lb/ft2 (≤0.2kg/m2)								EN13472
Compressive Strength	720psf (34.4kPa) @ 10 % compression								ASTM C165
Thermal Resistance	R-Value / inch @ 75°F	4.2 hr. ft 2.°F/BTU						ASTM C518 & ASTM C177	
	RSI value / 25.4mm @ 24°C	0.74 m 2 K/W							
Combustibility/ Reaction to Fire	Non-combustible								ISO 1182
Surface Burning Characteristics	Flame spread index = 5 ; Smoke development index = 0								ASTM E84 UL723 CAN/ULC S102
Corrosion Resistance Stress	Pass								ASTMC795 & ASTM C692
Corrosion Evaluation on External Stress Corrosion Cracking	Chemical Analysis for (Salts: Cl - , Fl - , Na + , SiO 4-Results fall within acceptability range								ASTM C795 & ASTM C871
Tendency of Austenitic Stainless Steel	≤10 ppm								EN 13468
	Pass-Steel								ASTM C665