



### MPT® Field Pre-Formed PIPE INSULATION

#### DESCRIPTION

MPT®FPF Field Pre-Formed Mineral Wool Pipe Insulation is made of inorganic fibers derived from basalt, a volcanic rock, with thermosetting resin binder. Advanced manufacturing technology ensures consistent product quality, with high fiber density and low shot content, for excellent performance in thermal control and fire resistance applications. MPT-FPF is a factory “V” grooved mineral wool board with a unique pressure sensitive contact adhesive in the grooves. It ships flat in 4 mil plastic and allows easy forming at the job site. MPT-FPF is manufactured to specific pipe sizes with a variety of facing options.

#### APPLICATIONS

MPT-FPF is produced to fit NPS & tubing sizes for commercial and industrial applications at temperatures ranging from ambient to 1200°F (649°C). This formed pipe insulation is easily fabricated, cutting cleanly and easily with a knife. Very low in-service shrinkage helps prevent gaps from forming at joints, preventing costly thermal leaks. The insulation is designed to be factory or field jacketed. It may be installed directly on hot surfaces; system shutdown and staged heat-up are not required.

#### ADVANTAGES

**Ships Flat.** Packaged flat in 4 mil plastic for water protection, freight efficiency and storage space utilization.

**Excellent Thermal Performance.** Good thermal conductivity values help maximize control of heat loss, contributing to reduced operating costs and greater energy savings. High dimensional stability and low shrinkage reduce the potential for gaps forming at the joints.

**Good Compressive Strength.** Formed pipe sections maintain structural integrity under severe operating conditions. Thickness stays uniform; there is less jacket damage.

**Light Weight, Low Dust, Protected Outer Surface.** Easy to handle and fabricate, MPT-FPF is easy to cut with a knife. No sawing is required. Clean handling properties and factory applied facers help reduce skin irritation and minimize job cleanup time and expense.

**Mold Resistant.** MPT-FPF does not support the growth of fungi.



### MPT® Field Pre-Formed

#### AVAILABLE TYPES

##### Standard Thicknesses

- Single Layer- 1” thick up to 4” thick
- Double Layer- Over 4” thick in ½” increments
- Sizes range from ½” to 72” pipe sizes
- Available in iron and copper pipe sizes

##### Facings Available

- Sizes ½” through 2” are supplied with no facing
- Sizes 2.5” and above are supplied with a fiberglass mat facing
- Other facings available include ASJ and FSK/FRK

#### SPECIFICATION COMPLIANCE-INSULATION

- ASTM C 547.....Type III
- ASTM C 585.....Complies
- ASTM C 795.....Complies
- ASTM E 84 Flame Spread/Smoke Developed.....25/50 or less
- U.S. Federal Specification HH-I-558B

#### SPECIFICATION COMPLIANCE – FACING

- ASTM C 1136.....Complies
- U.S. Federal Specification HH-B-100B

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## PHYSICAL PROPERTIES

Maximum Recommended Continuous Service temperature...1200°F (649°C)  
 Recovery after 10% compression.....100%  
 Shot Content..... <20%  
 Density..... Nominal 8lb./ft<sup>3</sup>

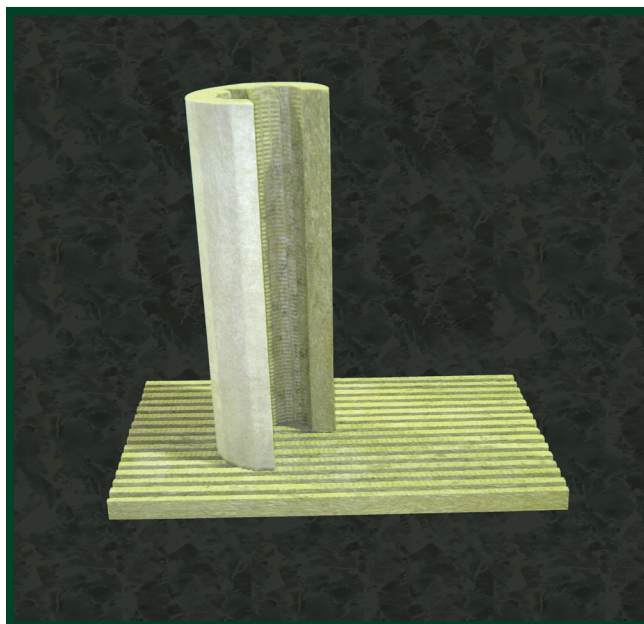
## LINEAR SHRINKAGE AFTER 24 HRS. AT TEMPERATURE

Temperature		Shrinkage
°F	°C	(%)
1050	566	0
1200	649	<2

## THERMAL CONDUCTIVITY

(Mean temperature = BTU in./h ft<sup>2</sup> °F or W/m K)

Mean Temperature	K (W/mK)
75° F(24°C)	0.23(0.035)
200° F(93°C)	0.29(0.042)
300° F(149°C)	0.35(0.050)
500° F(260°C)	0.48(0.069)
600° F(316°C)	0.55(0.079)



## GOVERNMENT CERTIFICATION

When ordering material to comply with any government specification or any other listed specification, a statement of that fact must appear on the purchase order. Government regulations and other listed specifications require specific lot testing, and prohibit the certification of compliance after shipment has been made. There may be additional charges associated with specification compliance testing. Please refer to price page IIG-CSP-3 for Certification Procedures and Charges. Call customer service for more information.



Industrial Insulation Group, LLC is a Calsilite/Johns Manville joint venture. IIG manufactures MinWool-1200® mineral fiber pipe, block and a variety of other insulations; Thermo-12® Gold Calcium Silicate pipe and block insulation; Super Firetemp® fireproofing board; SprouleWR-1200® Perlite pipe and block insulation; high temperature adhesives, and insulating finishing cement.

The physical and chemical properties presented 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. Numerical flame spread and smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Customer Service Office to assure current information. All Industrial Insulation Group products are sold subject to the IIG Limited Warranty and Limitation of Remedy. For a copy of the IIG Limited Warranty and Limitation of Remedy, email - info@iig-llc.com.



2100 LINE STREET • BRUNSWICK, GA 31520

CUSTOMER SERVICE,  
 TECHNICAL & GENERAL INFORMATION  
 (800) 866-3234

www.iig-llc.com