



## 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.

### ADVANTAGES

**Ships Flat.** Packaged flat in 4 mil plastic for some weather protection (see guide spec), freight efficiency and storage space utilization.

**Thermal Performance.** Good thermal conductivity values help maximize control of heat loss, contributing to reduced operating costs and greater energy savings.

**Light Weight, Low Dust, Protected Outer Surface.** Easy to handle and fabricate, MPT-FPF is easy to cut with a knife. 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.

### APPLICATIONS

MPT-FPF is produced to fit NPS pipe sizes and copper tubing sizes for commercial and industrial applications at temperatures ranging from ambient to 1200°F(650°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.

### 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 NPS pipe sizes and copper tubing sizes

#### Facings Available

Sizes ½” through 2” are supplied in routine half sections with no facing

Sizes 2.5” and above are supplied with a fiberglass mat facing

Other facings available include ASJ and FSK/FRK



**MPT® Field Pre-Formed**  
OPERATING TEMPERATURE LIMIT: 1200°F(650°C)

### LINEAR SHRINKAGE AFTER 24 HRS. AT TEMPERATURE

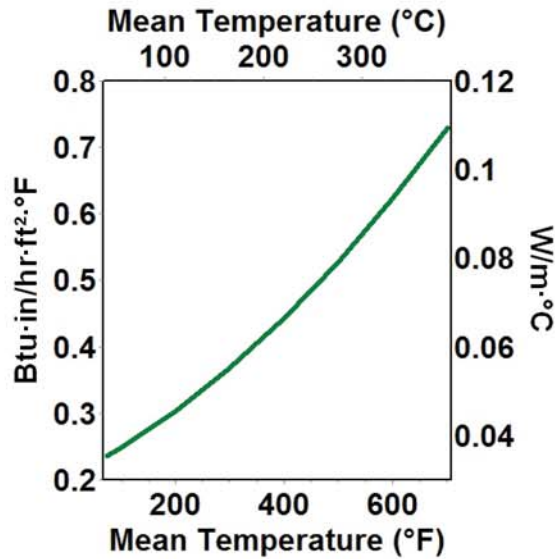
Temperature		Shrinkage
°F	°C	(%)
1050	566	0
1200	649	<2

### SPECIFICATION COMPLIANCE-INSULATION

ASTM C547 Material Specification	Complies
ASTM C447 Maximum Service temperature	1200°F(650°C)
ASTM C585 Dimensions of Pipe Insulation	Passes
ASTM C795/C871/C692	Passes
ASTM E84 Flame Spread/Smoke Developed	25/50 or less
ASTM C1335 Shot Content	<25%
ASTM C1338 Fungi Resistance	Passes
UL 723, CAN/ULC-S102-M	25/50 or less
Nuclear Regulatory Guide 1.36	Passes
MIL-I-24244	Passes
Recovery after 10% compression	100%

### ADDITIONAL INFORMATION AND MSDS

Please visit our website at [www.iig-llc.com](http://www.iig-llc.com).



### THERMAL CONDUCTIVITY

Mean Temperature		Thermal Conductivity	
°F	°C	Btu · in/(hr · ft² · °F)	W/m · °C
75	23	0.23	0.034
100	38	0.25	0.036
200	93	0.30	0.044
300	149	0.37	0.053
400	204	0.44	0.064
500	260	0.53	0.076
600	316	0.62	0.090
700	371	0.73	0.104

\* MPT Field Pre Formed Pipe Insulation is tested in accordance with ASTM C335.

### PRODUCT 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 IIG-CSP-3 for Certification Procedures and Charges. Call customer service for more information.

### QUALITY STATEMENT

IIG Products are designed, manufactured and tested to strict quality standards in our own facilities. This along with third party auditing is your assurance that this product delivers consistent high quality.



Industrial Insulation Group, LLC is a Johns Manville company. 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.