

## MINWOOL-1200® MITERED FITTINGS

MinWool-1200 Mitered Fittings are 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. These mitered and bonded fittings are for standard short and long radius and non-standard radius sweep elbows found in normal piping schemes. Fittings are manufactured from MinWool-1200 water-repellent Preformed Pipe Insulation and mitered into precision segments. The segments are adhered with adhesive, for ease of installation following the MICA National Commercial and Industrial Insulation Standards.

### ADVANTAGES

**Water-Repellent.** MinWool-1200 Mitered Fittings perform in accordance with BS EN 13472-2012, adsorbing less than  $<0.35 \text{ kg/m}^2$  of water during water absorption tests at temperatures up to 425°F (218°C).

**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, Lamella Tank Wrap insulation 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.** MinWool-1200 Mitered Fittings do not support the growth of fungi.

### APPLICATIONS

Mitered fittings are 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). 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 FORMS AND SIZES

#### Standard Thicknesses

Single Layer – 1" thick up to 4" thick  
 Double Layer – Over 4" thick in ½" increments  
 Sizes available up to a 72" IPS but vary by thickness  
 Available in NPS pipe sizes and copper tubing 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



Operating Temperature Limit: 1200°F (650°C)

### SPECIFICATION COMPLIANCE

ASTM C447 Maximum Service Temperature	1200°F (650°C)
ASTM C547/C585 MICA Fabrication Standards	Complies
ASTM C795/C871/C692 Corrosion: Austenitic Stainless Steel	Passes
ASTM C1335 Shot Content	<25%
ASTM E84 Surface Burning Characteristics	Flame Spread - 25 Smoke Developed - 50 or less
Recovery after 10% Compression	100%
BS EN 13472:2012* Water Absorption	<0.35 kg/m <sup>2</sup>

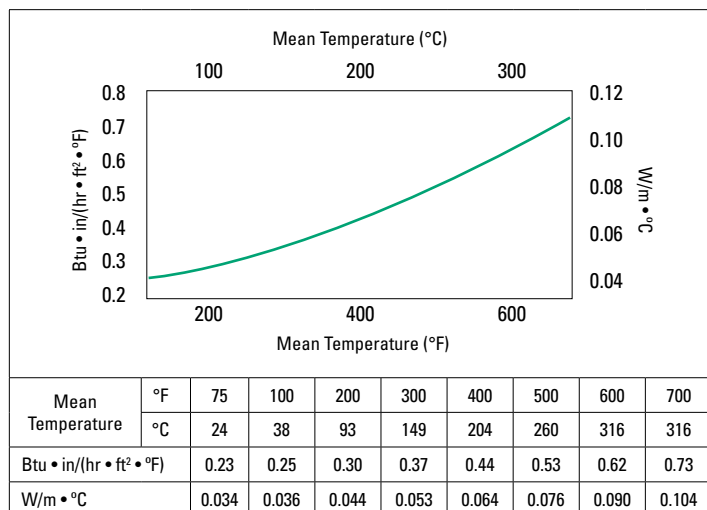
\*Tested in accordance with BS EN 13472 by testing via BS EN 1609 on the board used for fabrication

# MINWOOL-1200® MITERED FITTINGS

WATER-REPELLENT, HIGH-TEMPERATURE MINERAL WOOL INSULATION

## DATA SHEET

## THERMAL CONDUCTIVITY



\* MinWool-1200 Mitered Fittings Insulation as tested in accordance with ASTM C518.

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

## QUALITY STATEMENT

Johns Manville 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.

## ADDITIONAL INFORMATION AND SDS

Please visit our website at [www.jm.com/industrial](http://www.jm.com/industrial)  
Customer Service, Technical & General Information: (800) 866-3234



717 17th St.  
Denver, CO 80202  
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Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of the MinWool-1200® Mitered Fittings listed 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. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the Regional Sales Office nearest you for current information.

**All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville thermal insulation and systems, visit [www.jm.com/terms-conditions](http://www.jm.com/terms-conditions) or call (800) 654-3103.**