

MINWOOL-1200® FIELD-FORMED PIPE INSULATION

MinWool-1200 Field-Formed Pipe insulation is a water-repellent mineral wool insulation 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. Field-Formed pipe insulation is a factory “V” grooved mineral wool board with a unique pressure sensitive contact adhesive in the grooves and is manufactured to specific pipe sizes with a variety of facing options. It ships flat in 4 mil plastic and allows for easy forming at the job site.

ADVANTAGES

Water-Repellent. MinWool-1200 Field-Formed Pipe Insulation is water-repellent to help mitigate the risk of water intrusion. MinWool-1200 Field-Formed insulation performs in accordance with BS EN 13472, absorbing less than 0.35 kg/m² of water during water absorption tests at temperatures up to 425°F (218°C).

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, Field-Formed pipe 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. Field-Formed pipe insulation does not support the growth of fungi.

APPLICATIONS

Field-Formed pipe insulation 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.

AVAILABLE FORMS AND SIZES

Standard Thicknesses

Single Layer- 1½” thick up to 4” thick.

Double Layer- Over 4” thick in ½” increments.

Sizes range from 2½’ 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 ½” and above are supplied with a fiberglass mat facing.

Other facings available include ASJ.

Linear Shrinkage After 24 Hours at Temperature

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



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

SPECIFICATION COMPLIANCE

ASTM C447 Maximum Service Temperature	1200°F (650°C)
ASTM C547 Material Specification	Type III, Grade B*
ASTM C585 Dimensions of Pipe Insulation	Passes
ASTM C795/C871/C692 Corrosion: Austenitic Stainless Steel	Passes
ASTM E84 Surface Burning Characteristics	Flame Spread - 25 or less Smoke Developed - 50 or less
ASTM C1335 Shot Content	<25%
ASTM C1338 Fungi Resistance	Passes
Recovery after 10% compression	100%
BS EN 13472:2013** Water Absorption	<0.35 kg/m ²

* Heat up schedule: begin at 300°F and increase by 100°F per hour until reaching temperature

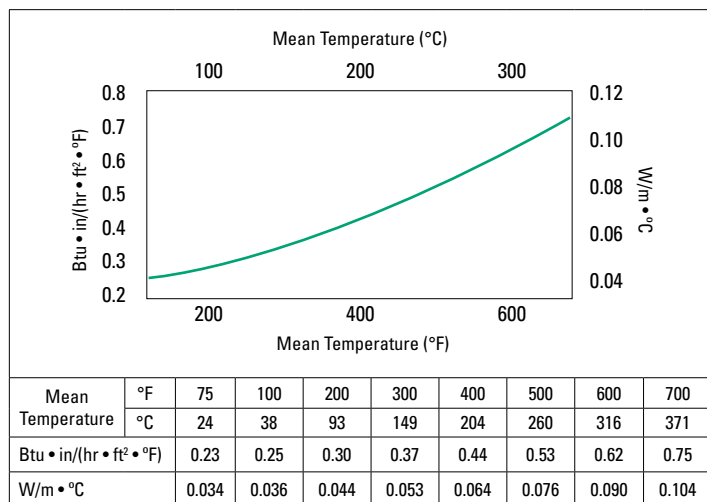
**Tested in accordance with BS EN 13472 by testing via BS EN 1609 on the board used for fabrication

MINWOOL-1200® FIELD-FORMED

WATER-REPELLENT, HIGH-TEMPERATURE MINERAL WOOL PIPE INSULATION

DATA SHEET

THERMAL CONDUCTIVITY



* MinWool-1200 Field-Formed Pipe 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

Industrial Insulation Group 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
Customer Service, Technical & General Information: (800) 866-3234



717 17th St.
Denver, CO 80202
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JM.com

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® Field-Formed Pipe Insulation 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 or call (800) 654-3103.