Johns Manville
Industrial Insulation Group

MinWool-1200® Field-Formed
Pipe Insulation

PRODUCT DATA SHEET

MinWool-1200 Field-Formed Pipe Insulation

MinWool-1200 Field-Formed 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. 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

THE 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, 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.

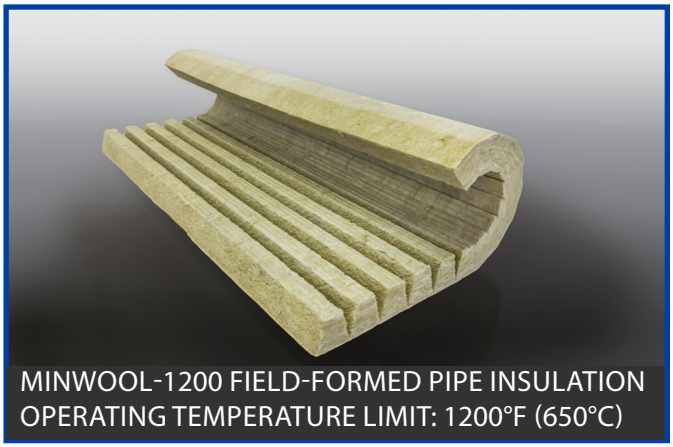
APPLICATIONS

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. It may be installed directly on hot surfaces; system shutdown and staged heat-up are not required.

ADDITIONAL INFORMATION AND SDS

Please visit our website at www.jm.com/industrial

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



MINWOOL-1200 FIELD-FORMED PIPE INSULATION
OPERATING TEMPERATURE LIMIT: 1200°F (650°C)

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 and FSK.

Linear Shrinkage After 24 Hrs. at Temperature

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

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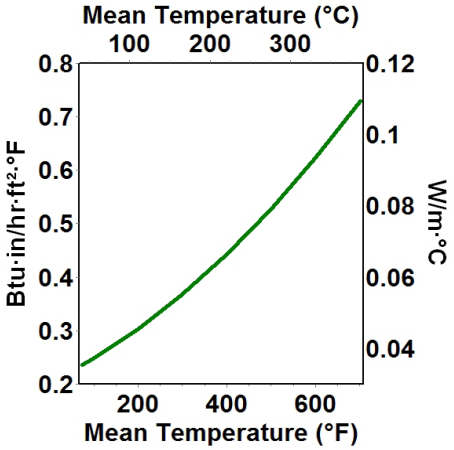
THERMAL CONDUCTIVITY



Mean Temperature	°F	75	100	200	300	400	500	600	700
	°C	24	38	93	149	204	260	316	371
Btu • in/(hr • ft² • °F)		.23	.25	.30	.37	.44	.53	.62	.73
W/m • °C		.034	.036	.044	.053	.064	.076	.090	.104

* MinWool-1200 Field-Formed Pipe Insulation as tested in accordance with ASTM C518.

SPECIFICATION COMPLIANCE

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

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.

Industrial Insulation Group, LLC manufactures MinWool-1200® mineral fiber pipe, block and a variety of other insulations; Thermo-12® Gold Calcium Silicate pipe and block insulation; Microporous Blanket 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 Johns Manville Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy, email info.industrial@jm.com.

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

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