

MINWOOL-1200® METAL MESH BLANKET

MinWool-1200 Metal Mesh Blanket (MMB) 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, acoustical and fire resistance applications. MMB is a mineral wool blanket available with a variety of options of metal mesh mechanically applied to one or both surfaces.

ADVANTAGES

Water-Repellent. MinWool-1200 Metal Mesh Blanket insulation is water-repellent to help mitigate the risk of water intrusion. MinWool-1200 Industrial Board performs in accordance with BS EN 1609:2013, absorbing less than 0.35 kg/m² 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. Easy to handle and fabricate, MMB is easy to cut with a knife and snips. Clean handling properties minimize job cleanup time and expense.

Non-Combustible. MMB is rated as non-combustible in accordance with ASTM E136 and ISO 1182.

Mold Resistant. MMB does not support the growth of fungi.

APPLICATIONS

MMB is produced for industrial applications at temperatures up to 1200°F (650°C). Applications include high temperature expansion joints, coke drums, vessels, power and process equipment. It is commonly used where resistance to thermal shock and vibration is desired or required. It may be installed directly on hot surfaces; system shutdown and staged heat-up are not required.

AVAILABLE FORMS AND SIZES

Standard Thicknesses

1" thick up to 6" thick (25mm to 150mm) in ½" increments

Standard Width: 24 inches (60cm)

Standard Length: 48 inches (120cm)

Mesh Options

- Galvanized Hex Wire Mesh
- Stainless Hex Wire Mesh
- Various Carbon Steel Expanded Metals
- Stainless Steel Expanded Metal
- Custom Configurations Upon Request
- Some metal mesh, such as galvanized have a temperature limitation that must be considered in system design.

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

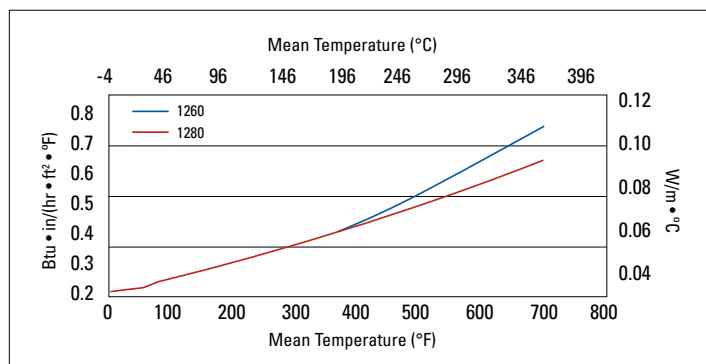
ASTM C592 Specification of Metal Mesh Covered Blanket	Type I, II and III
ASTM C665 Corrosivity to Steel	Passes
ASTM C795/C871/C692 Corrosion: Austenitic Stainless Steel	Passes
ASTM C1335 Shot Content	<25%
ASTM C1338 Fungi Resistance	Passes
ASTM E84 Surface Burning Characteristics	Flame Spread - 0 Smoke Developed - 0
ASTM E136, ISO 1182 Non-Combustible	Passes
BS EN 1609:2013 Water Absorption	<0.35 kg/m ²

MINWOOL-1200® METAL MESH BLANKET

WATER-REPELLENT, HIGH-TEMPERATURE MINERAL WOOL INSULATION

DATA SHEET

THERMAL CONDUCTIVITY *



Apparent Thermal Conductivity

Mean Temp		Btu · in/(hr · ft ² · °F)		W/m · °C	
(°F)	(°C)	1260	1280	1260	1280
25	-4	0.22	0.22	0.032	0.032
75	24	0.23	0.23	0.033	0.033
100	38	0.25	0.25	0.036	0.036
200	93	0.30	0.30	0.043	0.043
300	149	0.36	0.36	0.052	0.052
400	204	0.42	0.42	0.061	0.061
500	260	0.53	0.49	0.076	0.071
600	316	0.63	0.56	0.091	0.081
700	371	0.75	0.64	0.108	0.092

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 Industrial Insulation 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 Metal Mesh Blanket 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.