

PRODUCT DATA SHEET

MinWool-1200 Pipe & Tank Wrap Insulation

MinWool-1200 Pipe & Tank Wrap Insulation is made of inorganic fibers derived from basalt, a volcanic rock, with a thermosetting resin binder. Advanced manufacturing technology ensures consistent product quality, with high fiber density and low shot content, for excellent performance in high temperature, thermal control and fire-resistant applications.

THE ADVANTAGES

Thermal Performance. Good thermal conductivity values help maximize control of heat loss, contributing to reduced operating costs and greater energy savings. High dimensional stability and low shrinkage reduce the potential for gaps forming at joints.

Lightweight, Low Dust. Easy to handle and fabricate, these blankets cut cleanly with a knife. Clean handling properties help reduce irritation and minimize job clean-up time and expense.

Low Smoke & Flame Spread. When tested in accordance with ASTM E84, UL 723, CAN/ULC S102, MinWool-1200 Pipe & Tank Wrap blankets have a flame spread rating of 25 and a smoke developed rating of 5.

Mold Resistant. MinWool-1200 does not support growth of fungi.

APPLICATIONS

MinWool-1200 Pipe & Tank Wrap Insulation provides excellent thermal insulation performance for mechanical equipment, structural members, vessels, furnaces, large diameter piping, and any other irregularly shaped systems operating from sub-ambient to 1200°F(650°C). Pipe & Tank Wrap Insulation is easily fabricated, cutting cleanly with a knife. Very low in-service shrinkage helps prevent gaps from forming at joints, preventing costly thermal leaks. It may be installed directly on hot surfaces; system shut-down and staged heat-up are not required.

A sufficient thickness of insulation must be used to keep the maximum facing temperature of Pipe & Tank Wrap below 150°F. Insulation thickness must be reviewed for each application. It is not recommended for use as an inside layer in nested applications.

ADDITIONAL INFORMATION AND SDS

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

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



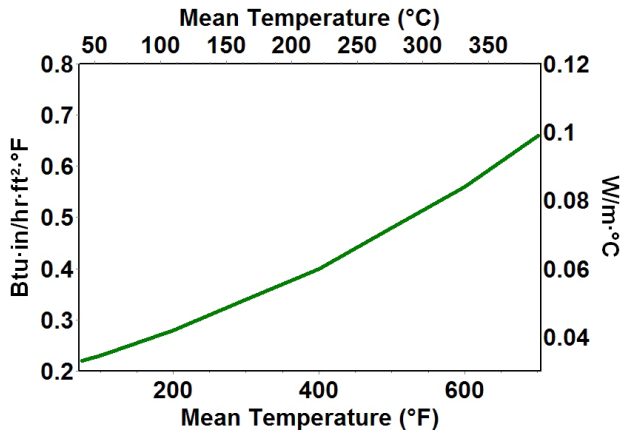
MINWOOL-1200 PIPE & TANK WRAP INSULATION
OPERATING TEMPERATURE LIMIT: 1200°F (650°C)

AVAILABLE FORMS AND SIZES

MinWool-1200 Pipe & Tank Wrap is FSP (Foil Scrim Polyethylene) faced and has a nominal density of 8 pcf (128 kgs/m³).

Thickness		Width		Roll Length	
in.	mm	in.	meters	ft.	meters
1½	40	48	1.22	18	5.5
2	50	48	1.22	16	4.9
2½	65	48	1.22	14	4.3
3	75	48	1.22	12	3.7
3½	90	48	1.22	10	3.1
4	100	48	1.22	8	2.4

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)		0.22	.23	.28	.34	.40	.48	.56	.66
W/m • °C		.032	.033	.040	.049	.058	.069	.081	.094

*MinWool-1200 Pipe & Tank Insulation as tested in accordance with ASTM C518.

SPECIFICATION COMPLIANCE

ASTM C356 In-Service Shrinkage	0% at 1050°F (566°C); <2% at 1200°F (650°C)
ASTM C447 Max Service Temperature	1200°F (650°C)
ASTM C553 Mineral Fiber Blanket Specification	Types I, II, III, IV, V, VI, VII
ASTM C665 Corrosivity to Steel	Passes
ASTM C795/C871/C692 Corrosion: Austenitic Stainless Steel	Passes
ASTM C1104 Water Vapor Sorption	<1% by Weight, <.02% by Volume @ 120°F(50°C), 95% RH
ASTM C1335 Shot Content	<25%
ASTM C1338 Fungi Resistance	Passes
ASTM E84 Surface Burning Characteristics	Flame Spread -25 Smoke Developed -5
UL 723, CAN/ULC S102	25/5
R-Value @ 75°F	4.3 per inch of thickness

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.

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