



## MinWool-1200® Pipe and Tank Wrap

### FSP FACED HIGH TEMPERATURE INSULATION

#### DESCRIPTION

MinWool-1200 Pipe and 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.

#### 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-M, MinWool-1200 Pipe and Tank Wrap blankets have a flame spread rating of 25 and a smoke developed rating of 5.

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

#### APPLICATIONS

MinWool-1200 Pipe and 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 and 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 and 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.

#### AVAILABILITY

MinWool-1200 Pipe and Tank Wrap is FSP (Foil Scrim Polyethylene) faced and has a nominal density of 8 pcf (128 kgs/m<sup>3</sup>).

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



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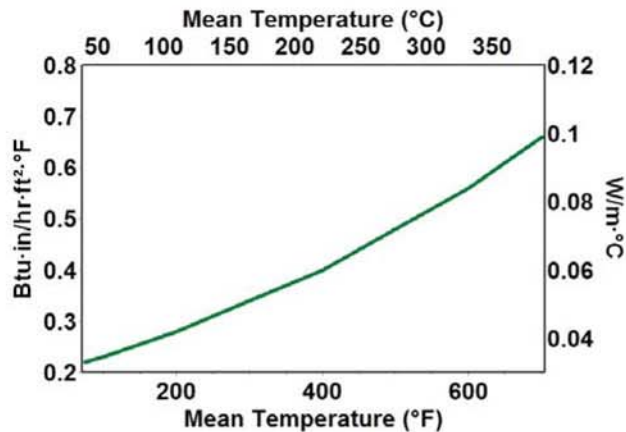
Operating Temperature Limit: 1200°F (650°C)

#### 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
ASTM C665 Corrosivity to Steel	Passes
ASTM C795/C871/C692	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 Flame Spread/Smoke Developed	25/5
UL 723, CAN/ULC-S102-M	25/5
R-Value @ 75°F	4.3 per inch of thickness

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## THERMAL CONDUCTIVITY

Mean Temperature		Thermal Conductivity	
°F	°C	Btu · in/(hr · ft <sup>2</sup> · °F)	W/m · °C
75	24	0.22	0.032
100	38	0.23	0.033
200	93	0.38	0.040
300	149	0.34	0.049
400	204	0.40	0.058
500	260	0.48	0.069
600	316	0.56	0.081
700	371	0.66	0.094

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

## QUALITY STATEMENT

IIG 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 is a Johns Manville company. IIG manufactures MinWool-1200 mineral fiber pipe, block and a variety of other insulations; Thermo-12® Gold Calcium Silicate pipe and block 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 IIG Limited Warranty and Limitation of Remedy. For a copy of the IIG Limited Warranty and Limitation of Remedy, email - [info@iig-llc.com](mailto:info@iig-llc.com).