

## SUPER FIRETEMP H

Super Firetemp H is an inorganic, non-combustible, high-temperature insulation for use in industrial equipment and building systems. It can be used on systems operating up to 1700°F (927°C). Composed primarily of lime, silica and reinforcing fibers. This product is white, essentially dust-free, and contains no asbestos, and meets or exceeds ASTM C656, Type II, Grade 6.

### ADVANTAGES

- Assured Fire Resistance
- Durable
- Economical

### APPLICATIONS

Since Super Firetemp H has both exceptional strength and insulation qualities, it can be readily machined into component parts of many sizes and shapes. Uses include oven and furnace walls, structural supports, pipe supports, and equipment supports.

### AVAILABLE FORMS AND SIZES

Thickness ..... ½", ¾", 1", 1½", 2" (13, 19, 25, 38, 51 mm)  
 Sheet Size..... 4' x 4' (1.22m x 1.22m)  
 ..... 4' x 8' (1.22m x 2.44m)

Super Firetemp H is available with a sanded finish on one or both sides. The sanded surfaces are smooth and easy to machine.

### Dimension Tolerances

Length and Width ..... +/- 1/8" (3.2 mm)  
 Thickness ..... +/- 1/8" (3.2 mm) Sanded One Side  
 ..... +/- 1/16" (1.6 mm) Sanded Two Sides

### LINEAR SHRINKAGE AFTER 24 HRS. AT TEMPERATURE

Temperature		Shrinkage			
°F	°C	Length	Width	Thickness	Weight Loss
1200	649	0.5%	0.5%	1.0%	8%
1400	760	1.0%	1.0%	2.5%	10%
1600	871	1.0%	1.0%	2.5%	10%
1800	982	1.5%	1.5%	3.5%	11%

### THERMAL CONDUCTIVITY

Mean Temperature	°F	200	400	600	800
	°C	93	204	316	427
Btu • in/(hr • ft² • °F)		0.61	0.66	0.73	0.80
W/m • °C		0.088	0.096	0.106	0.116



Operating Temperature Limit: 1700°F (927°C)

### SPECIFICATION COMPLIANCE

ASTM C656 – Type II, Grade 6	
ASTM C795 Corrosion: Austenitic Stainless Steel	Passes
ASTM E72	Passes
ASTM E84 Surface Burning Characteristics	Flame Spread -0 Smoke Developed -0
ASTM E119 Building Fire Test	1,2,3,4 Hours
ASTM E136 Non-Combustible	Call for details
ASTM E814	Passes
UL 263	1,2,3,4 Hours
UL 1479	3 Hours
NFPA 251	1,2,3,4 Hours
Density (Avg.)	35 pcf (561 kg/m³)
Maximum Recommended Continuous Service Temp.	1700°F (927°C)
Flexural Strength (Avg.)	800 psi (5516 kPa)
Compressive Strength @10% deformation (Avg.)	1600 psi (11032 kPa)

## CODE COMPLIANCE



Super Firetemp undergoes stringent tests to comply with some of the toughest fire codes in the U.S.

## ISO 9000 CERTIFICATION

Super Firetemp H is manufactured under an ISO 9001:2000 registered quality system. This registration, along with regular independent third-party auditing for compliance, is your assurance that all our products deliver consistently high quality.

## 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](http://www.jm.com/industrial)  
Customer Service, Technical & General Information: (800) 866-3234



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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 Super Firetemp® H 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](http://www.jm.com/terms-conditions) or call (800) 654-3103.**