



Super Firetemp® H HIGH TEMPERATURE INSULATION

DESCRIPTION

Super Firetemp H is an inorganic, noncombustible 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 C 656, 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.

SPECIFICATION COMPLIANCE

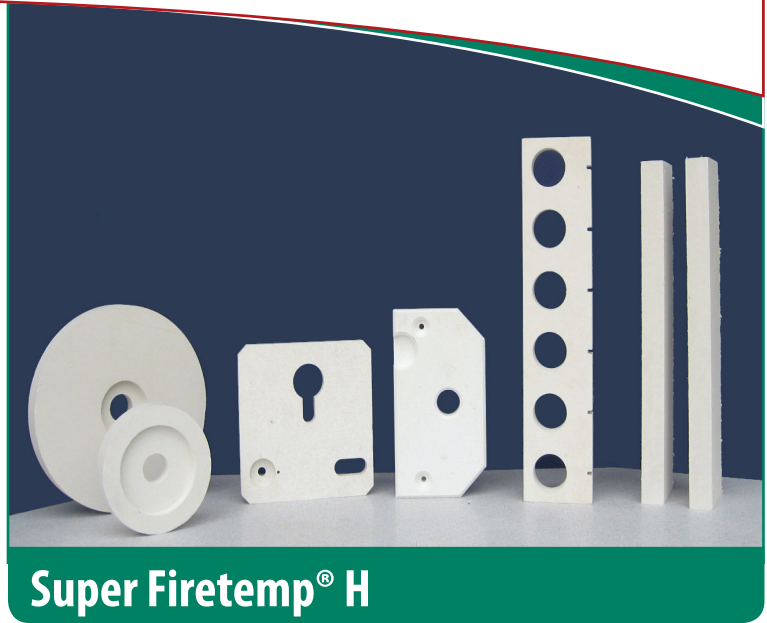
ASTM C 656	Type II, Grade 6
ASTM C 795	Passes
ASTM E 72	Passes
ASTM E 119 & UL 263	1,2,3,4 Hours
ASTM E 84	
Flame Spread/Smoke Developed	0/0
ASTM E 136	Passes
UL 1479	3 Hours
UL 1709	1,2,3,4 Hours

PHYSICAL PROPERTIES

Density (Average)	35 pcf (561 kg/m ³)
Maximum Recommended Continuous Service Temperature	1700°F (927°C)
Flexural Strength	800 psi (5,516 kPa)
Compressive Strength @ 10% Deformation	1600 psi (11,032 kPa)
Moisture Content, Normal Percentage of Dry Weight	4%

LINEAR SHRINKAGE AFTER 24 HOURS AT TEMPERATURE, %

Temperature					
°F	°C	Length	Width	Thickness	Weight Loss
1200	649	05	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



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THERMAL CONDUCTIVITY ("k")

Mean Temperature		"k"	
°F	°C	Btu · in/(hr · ft ² · °F)	W/m · °K
200	93	0.65	0.094
400	204	0.70	0.101
600	316	0.75	0.108
800	427	0.80	0.115

AVAILABLE FORMS

Thickness	1/2", 3/4", 1", 1 1/2", 2" (13, 19, 25, 38, 51 mm)
Sheet Size	4' x 4' (1.22 m x 1.22 m)
	4' x 8' (1.22 m x 2.44 m)

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

ADDITIONAL INFORMATION AND MSDS

Technical information, weather protection, MSDS and other information available at www.iig-llc.com

Super Firetemp® H

HIGH TEMPERATURE INSULATION

CODE COMPLIANCE

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



ISO 9001 REGISTRATION

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.

Industrial Insulation Group, LLC is a Calsilite/Johns Manville joint venture. 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.



Industrial Insulation Group, LLC

A Calsilite/Johns Manville Joint Venture

2100 LINE STREET • BRUNSWICK, GA 31520

**CUSTOMER SERVICE,
TECHNICAL & GENERAL INFORMATION**

(800) 866-3234

www.iig-llc.com