

PRODUCT DATA SHEET

Super Calstik

Super Calstik is a modified, silicate-based glue. It sets quickly to provide a high-temperature bond for porous insulating materials. Super Calstik is completely Asbestos Free.

THE ADVANTAGES

- Assured Fire Resistance
- Durable
- Economical

APPLICATIONS

Super Calstik is used for bonding and sealing joints in Super Firetemp® high-temperature insulation. It is used in walls, structural steel, cable trays and other fire-rated applications.

WET PROPERTIES

Density	12 lbs./gal. (1.44 avg)
Solids by Weight	70% avg
pH	Avg 12.8
Wet Coverage	1/16" thick, 25 sq. ft./gallon (1.6 mm, 0.61 m ² /liter) 1/32" thick, 50 sq. ft./gallon (0.8 mm, 1.23 m ² /liter)

DRYING TIME ON CALCIUM SILICATE INSULATION

(ASTM C474-67 at 77°F [25°C])	
Set	15 Seconds
Handle	5 Minutes
Thorough Dry	1½ Hours
Minimum Application Temperature for Thorough Dry	35°F (2°C)

PHYSICAL PROPERTIES

Melt Point	Decomposes @ 1088°F (587°C)
Shore "C" Hardness - 24 Hour Cure	65 Minimum
Resistance to Cracking (ASTM C 474-67)	
0" - 1/8" Wedge	No Cracking
0" - 1/4" Wedge	No Cracking
Elongation - 10 Day Cure	2%
Shrinkage - 10 Day Cure	1%
Tensile Strength	3000 psi (20,685 kPa)
Adhesion to Calcium Silicate Insulation	Insulation Fails Before Glue Line Joint



SUPER CALSTIK®
HIGH-TEMPERATURE ADHESIVE

CHEMICAL RESISTANCE

Non-Aqueous Solvents	Excellent with Aromatic, Aliphatic and Oxygenated Solvents
Mineral Acids	Salt Formation and Loss of Bond Strength
Water - Cold	Softens Upon Lengthy Submersion
Water - Hot	Softens Upon Continuous Contact

STORAGE AND APPLICATION LIMITATIONS

Shelf Life	3 Years from Date of Manufacture
Maximum Recommended Continuous Service Temperature (Dry Product)	1000°F (538°C)
Fire Resistance (Dry Product)	Passes 1200°F (649°C) Oven Without Charring
Effect on Metal (Dry Product)	Non-Corrosive
Store between 35°F and 95°F	
Clean Up: Use hot water and soap before drying.	

ADDITIONAL INFORMATION AND SDS

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

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

ISO 9000 CERTIFICATION

Industrial Insulation Group mechanical insulation products are designed, manufactured, and tested in our own facilities, which are certified and registered to stringent ISO 9000 (ANSI/ASQC 90) series quality standards. This certification, along with regular independent third-party auditing for compliance, is your assurance that Industrial Insulation Group products deliver consistent 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.

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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(800) 866-3234

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