

## 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.

### ADVANTAGES

- 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, and other fire-rated applications.

### WET PROPERTIES

Density	13.5 lbs./gal. (1.44 avg)
Solids by Weight	70% avg
pH	Ave 11.35
Wet Coverage	1/16" thick, 25 sq. ft./gallon (1.6 mm, 0.61 m <sup>2</sup> /liter) 1/32" thick, 50 sq. ft./gallon (0.8 mm, 1.23 m <sup>2</sup> /liter)

### DRYING TIME ON CALCIUM SILICATE INSULATION

(ASTM C474-67 at 77°F [25°C])	
Set	15 seconds
Handle	5 minutes
Thorough Dry	1 ½ hours
Minimum Application Temperature for Thorough Dry	32°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



### 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)	1,000°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.	

**ISO 9001 CERTIFICATION**

Super CalStik is manufactured and tested in our own facility under an implemented Quality Management System which is certified to be in accordance with ISO 9001 quality standards.

**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.

**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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Denver, CO 80202  
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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 Calstik® 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.**