



Industrial Insulation Group, LLC

A Calsilite/Johns Manville Joint Venture

Fire Protection Systems

Super Calstik®

High Temperature Glue

Description

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.

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	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 C 474-67 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" - 1/4 Wedge	No Cracking
0" - 1/2 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
Do Not Store Below 35°F (2°C) (Wet Product).....	Freezes
Do Not Store Above 95°F (35°C) (Wet Product).....	Bodies Up
Freeze-Thaw Stability (Wet Product).....	No Cycles
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

Removal from Surfaces

Immediately Use Hot Water and Soap **Before** It Dries

Government Certification

When ordering material to comply with any government specification or any other listed specification, a statement of the 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.

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.

Code Compliance

Super firetemp undergoes stringent tests to comply with some of the toughest fire codes in the US and Canada.



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Industrial Insulation Group, LLC is a Calsilite/Johns Manville joint venture. IIG manufactures MinWool mineral fiber pipe, block and a variety of other insulations; Thermo-12® Gold Calcium Silicate pipe and block insulation; Super Firetemp® fireproofing board; Sproule WR-1200™ Perlite pipe and block insulation; high temperature adhesives, and insulating finishing cement.

For Customer Service
and Order Placement
Phone: (800) 866-3234

For General and
Technical Information
Phone: (800) 866-3234



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The physical and chemical properties Insulation Products 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. 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 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.**