

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.

Wet Properties

Density	12 lbs./gal. (1,440 kg/m ³)
Solids by Weight	62%
pH	12.8
Viscosity-Brookfield	7200 to 8500 cps.
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" - 1/8" 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

Applications

Super Calstik is used for bonding and sealing joints in Super Firetemp® high- temperature insulation and calcium silicate pipe and block insulation. It is used in grease ducts, structural steel and other fire-rated applications.

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

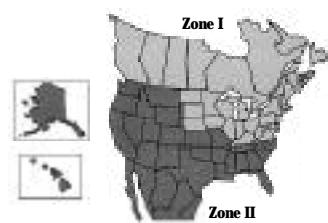
Do Not Store Below 35°F (2°C) (Wet Product)	Freezes
Do Not Store Above 95°F (35°C) (Wet Product)	Bodies Up
Freeze-Thaw Stability (Wet Product)	No Cycles
Maximum Recommended Continuous Service Temperature (Dry Product)	1000°F (538°C)
Fire Resistance (Dry Product)	Passes 1200°F (649°C) Oven Without Charring
Effect on Metal (Dry Product)	Non-Corrosive

Removal from Surfaces

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

Super Calstik™

High Temperature Glue



North American Sales Offices

Zone I

P.O. Box 158
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Zone II

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(800) 368-4431
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International

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(303) 978-3763
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The physical and chemical properties of Super Calstik™ High Temperature Glue 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 Zone Sales Office nearest you to assure current information. **All Johns Manville products are sold subject to the Limited Warranty and Limitation of Remedy. For a copy of the Limited Warranty and Limitation of Remedy, call 1-800-654-3103.**

PABC®

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