



# Industrial Insulation Group, LLC

A Calsilite/Johns Manville Joint Venture

## Pipe & Equipment Insulations

### CalCoat-127™

1200°F (649°C) One Coat Finishing Cement

#### Description

CalCoat-127 is a proprietary blend of hydraulic cement, calcium silicate and inorganic mineral fibers, with corrosion inhibitors, that provides a smooth finish over high-temperature insulation. No wire mesh is required. It can also be used as a general-purpose insulating cement, as it is easy to trowel and resists wetting after initial application. One bag will cover a minimum of 30 sq. ft. at 1" (2.8 square meters at 25 mm) thick. CalCoat-127 can be painted with water- or oil-base paints.

#### Applications

Due to its composition and low thermal conductivity, CalCoat-127 is recommended for finishing use with calcium silicate or perlite insulation in high-temperature piping and equipment applications. Because of its corrosion inhibiting properties, it is especially recommended for industrial processing and power generating facility applications using stainless steel piping and operating at temperatures up to 1200°F (649°C).

#### Advantages

- Used in combination with Sproule WR-1200™ Perlite Pipe & Block Insulation, CalCoat-127 provides a superior corrosion-inhibiting system, protecting stainless steel piping against moisture, oxygen, chlorides and other corrosive elements, and helping to prevent stress corrosion cracking
- Dries to a smooth, paintable surface
- Easy to apply, with no mesh required

#### Available Forms

CalCoat-127 is packaged in a moisture resistant, heavy-duty poly bag, with a convenient built-in handle, containing 45 lbs. (20.4 kgs.).

#### Specification Compliance

ASTM C 449  
BS 3958:Part 6  
MIL-I-24244  
Certification of Compliance available upon request



#### Physical Properties

Dry Coverage Capacity.....	30 sq. ft. at 1"
ASTM C 166.....	(2.8 m <sup>2</sup> at 25 mm) thick
Compressive Strength.....	200 psi (1379 kPa)
ASTM C 354	
Linear Shrinkage .....	Less than 2%
ASTM C 356	
Bulk Density .....	20 lbs. per cu. ft. (320.4 kgs./m <sup>3</sup> )
Thermal Conductivity	
200°F (93°C).....	0.80 Btu•in/(hr•ft <sup>2</sup> •°F) [0.115 W/m•°C]
400°F (204°C).....	0.83 Btu•in/(hr•ft <sup>2</sup> •°F) [0.120 W/m•°C]
700°F (371°C).....	0.96 Btu•in/(hr•ft <sup>2</sup> •°F) [0.138 W/m•°C]
ASTM C 177 and	
ASTM C 518	

#### 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.

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For technical information and assistance regarding application information, code approvals, and performance specifications, call **1-800-872-0338**.

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**For Customer Service  
and Order Placement**

(800) 334-7997

Fax: (912) 267-6096

**For Sales  
Information**

(800) 866-3234

Fax: (610) 358-0602

**For Technical  
Information**

(800) 872-0338

Fax: (970) 858-9641



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The physical and chemical properties of the CalCoat-127™ 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, call (800) 334-7997.**

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