



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
Certification of Compliance available upon request



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PHYSICAL PROPERTIES

Dry Coverage Capacity	30 sq. ft. at 1"
ASTM C 166	(2.8 m ² 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 ³)
Thermal Conductivity	
200°F (93°C)	0.80 Btu-in/(hr-ft ² ·°F) [0.115 W/m·°C]
400°F (204°C)	0.83 Btu-in/(hr-ft ² ·°F) [0.120 W/m·°C]
700°F (371°C)	0.96 Btu-in/(hr-ft ² ·°F) [0.138 W/m·°C]
ASTM C 177 and	
ASTM C 518	

USER INSTRUCTIONS

- Mix with clean water until desired consistency is reached.
- Set time approx. 2 hrs. (depends upon environmental conditions).
- Allow to cure for 24 hrs. prior to applying heat.

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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.

Industrial Insulation Group, LLC is a Calsilite/Johns Manville joint venture. IIG manufactures MinWool-1200® mineral fiber pipe, block and a variety of other insulations; Thermo-12® Gold Calcium Silicate pipe and block 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 IIG Limited Warranty and Limitation of Remedy. For a copy of the IIG Limited Warranty and Limitation of Remedy,



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