

# Foundry Service & Supplies, Inc.

FUSED SILICA  
HOT PRESS PLATENS  
CASTABLE CERAMICS  
FIRED SHAPES  
AEROSPACE TOOLING

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HI-TEMP INSULATIONS  
CALCIUM SILICATE BOARDS  
MILLBOARD AND BLANKET  
PAPERS AND CEMENTS  
CUTTING AND FABRICATING

## 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

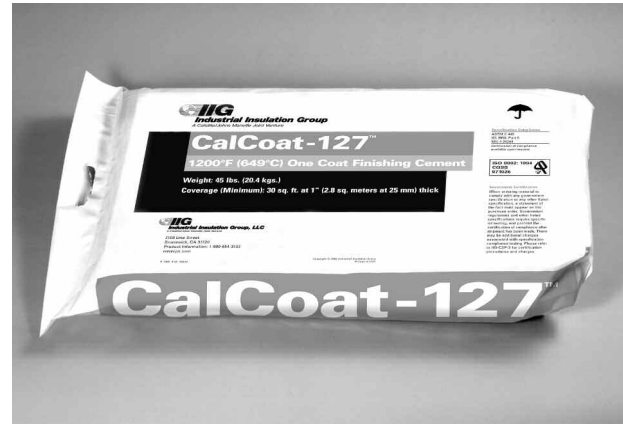
- Used in combination with Sproule WR-1200™ Perlite Pipe & Block Insulation, CalCoat-127 provides a superior corrosion-inhibiting system, protecting stainless steel piping against moisture, oxygen, chlorides and other corrosive elements, and helping to prevent stress corrosion cracking
- Dries to a smooth, 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



### 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	