



30-16

Product Data Sheet

PROPERTIES

COLOR:

Off-white, wet and dry

APPLICATION:

Brush, Spray

AVERAGE WEIGHT/U.S. GALLON (ASTM D1475):

13.2 lbs. (1.58 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

51% by volume (69% by weight)

COVERAGE RANGE:

Subject to type of surface being coated and method of application.

100 – 150 sq. ft./gal. (2.5 – 3.7 m²/l)

0.016 – 0.011 in. (0.41 – 0.28 mm) wet thickness

DRYING TIME 73°F (23°C) 50% RH:

Set to Touch: 45 to 90 minutes

Dry Through: 2 to 3 hours

Higher humidity or lower temperatures may retard drying.

SERVICE TEMPERATURE LIMITS:

Temperature at coated surface.

-320°F to 200°F (-196°C to 93°C)

WET FLAMMABILITY:

Flash point over 212°F (100°C)

SURFACE BURNING CHARACTERISTICS (ASTM E84):

Flame Spread: 10

Smoke Developed: 10

Tested at coverage rate of 70 sq. ft./gal. (1.72 m²/l).

Applied to 1/4 inch (6.4 mm) inorganic reinforced cement board. The flame spread may vary at different product thicknesses and/or when applied over other surfaces.

FREEZE THAW STABILITY:

Passes three cycles

FOSTER® FIRE RESISTIVE ANTI-ABRASION COATING

FOSTER® FIRE RESISTIVE ANTI-ABRASION COATING is a high-solids, water-based, fire-resistive, bore coating for the inner surfaces of cellular glass, rigid polyurethane, urea-formaldehyde or polyisocyanurate foam insulation to reduce abrasion from vibration and temperature changes of piping or vessels. Its strong adhesive qualities through a wide temperature range permit its use on extremely low temperature and dual temperature equipment. It is light in color to facilitate application and ensure full coverage of the insulation surface.

FIRE RESISTIVE ANTI-ABRASION COATING meets requirements for LEED 2009 IEQ 4.2 Low-Emitting Materials, Paints and Coatings. VOC: 15 g/l, less water and exempt solvents.

NUCLEAR GRADE FIRE RESISTIVE ANTI-ABRASION COATING 30-16Q can be supplied to meet the stress corrosion and chemical analysis requirements of nuclear regulatory guide 1.36 on special order.

LIMITATIONS

Store and apply between 40°F (4°C) and 100°F (38°C), protect from freezing until dry.

Remove product from metal piping or other pieces of insulation while it is still wet.

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APPLICATION GUIDE FOR FOSTER® FIRE RESISTIVE ANTI-ABRASION COATING 30-16

MATERIAL PREPARATION

Stir well. DO NOT THIN. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use to prevent surface skinning.

APPLICATION

Apply at 100 – 150 sq. ft./gal. (2.5 – 3.7 m²/l) to clean, dry, inner surface or bore of cellular glass insulation. Allow to dry before installing insulation.

BRUSH:

Use clean paintbrushes (suitable for water-based paints). Apply in a single, heavy, full, brush coat at recommended coverage. Avoid crisscross brushing.

SPRAY:

30-16 can be applied using a variety of spray equipment. For spray equipment information, please contact your spray equipment supplier. Average viscosity range: 20,000 – 30,000 cps. Before using for the first time, existing spray systems must be completely cleaned and free of the old coatings and solvents. Corrosion resistant pumps and fittings are suggested.

CLEAN UP

To clean up, use warm, soapy water if still wet. When dry, use mineral spirits (flammable) or chlorinated solvent (non-flammable).

INSPECTION

Where available, it is suggested to use a National Insulation Association (NIA) certified (or other similarly certified) mechanical insulation inspector throughout the project to inspect and verify the materials and total insulation system have been installed correctly in accordance with the specifications.

DATA REPORTED FROM ASTM E84 FIRE TEST (TUNNEL TEST)

Tested per ASTM E84 Surface Burning Characteristics	
Flame Spread:	10
Smoke Developed:	10
Tested at coverage rate of 70 sq. ft./gal. (1.72 m ² /l). Applied to 1/4 inch (6.4 mm) inorganic reinforced cement board.	

CUSTOMER SERVICE: (800) 832-9002

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ADEQUATE TESTS: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The warranted shelf life of our products is twelve months from date of shipment to the original purchaser or as otherwise provided on the certificate of analysis.

**For professional use only. Keep out of reach of children.
Consult Safety Data Sheet and container label for further information.**