



81-42/81-42Q

Product Data Sheet

PROPERTIES

COLOR:

White

APPLICATION CONSISTENCY:

Brush, spray or dip

AVERAGE WEIGHT / U.S. GALLON (ASTM D 1475):

9.5 lbs. (1.14 kg/l)

AVERAGE NON-VOLATILE (ASTM D 2369):

29% by volume (38% by weight)

COVERAGE RANGE (FSTM 72):

(Subject to nature of material being coated.) Wet coverages shown below are for smooth non-porous surfaces. Porous or rough surfaces may require high gallonage to attain required dry thickness. 1.33 to 1.25 gal./100 sq. ft (0.54 to 0.51 l/m²) per coat. 0.021 to 0.020 in. wet film thickness (0.53 to 0.51 mm)

DRYING TIME (ASTM D 1640):

Set to Touch: 7 hours

Dry Through: 24 hours

BONDING TIME RANGE (FSTM 66):

2 to 10 minutes

SERVICE TEMPERATURE LIMITS (FSTM 70):

(Temperature at coated surface)

-50°F to 180°F (-46°C to 82°C)

WET FLAMMABILITY (ASTM D 93):

No flash to boiling, 212°F (100°C)

SURFACE BURNING CHARACTERISTICS (ASTM E 84):

Flame Spread: 10

Smoke Developed: 5

Tested at coverage rate of 40 sq. ft./gal. (1.0 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.

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FOSTER FIRE RESISTIVE LAGGING ADHESIVE AND COATING



FOSTER FIRE RESISTIVE LAGGING ADHESIVE AND COATING is a quick-setting water-based adhesive and coating used indoors to adhere and size canvas, glass cloth or other lagging fabric over pipe and duct insulation. It is also used to attach woven glass fiber tape to the joints of hard fibrous glass insulation board. This product is designed for marine and industrial use, and may be top-coated with solvent-based paints.

FIRE RESISTIVE LAGGING ADHESIVE AND COATING when applied to the longitudinal and butt laps of lagging fabrics provides strong adhesion to hold the lagging in place. An application of a coat of Fire Resistive Lagging Adhesive provides resistance to fire, water, vermin, oil and grease.

FIRE RESISTIVE LAGGING ADHESIVE AND COATING 81-42Q meets Military Specification MIL-A-3316C Class I, Grade A, and Federal Spec MMM-A-002048.

NUCLEAR GRADE FIRE RESISTIVE LAGGING ADHESIVE AND COATING 81-42Q can be supplied to meet the stress corrosion and chemical analysis requirements of MIL-I-24244C or Nuclear Regulatory Guide 1.36 on special order.

FIRE RESISTIVE LAGGING ADHESIVE AND COATING 81-42 & 81-42Q contain no asbestos, lead, mercury, or mercury compounds.

FIRE RESISTIVE LAGGING ADHESIVE AND COATING 81-42 is approved by the U.S. Coast Guard under 164.012.

LIMITATIONS

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

Always test foil and paper facings for acceptable adhesion before using.

Always test plastic foam insulation for warpage when using a water-based adhesive.

Water-based products may corrode carbon steel spray equipment. Corrosion resistant pumps and fittings are suggested.

08/09

Specialty Construction Brands, Inc.
an H.B. Fuller Company

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APPLICATION GUIDE FOR FOSTER FIRE RESISTIVE LAGGING ADHESIVE AND COATING 81-42/81-42Q

MATERIAL PREPARATION

DO NOT THIN. Apply only to clean, dry surfaces. Keep container closed when not in use.

APPLICATION

Apply a tack coat of Fire Resistive Lagging Adhesive and Coating at 75 to 80 sq. ft./gal. (1.8 - 2.0 m²/l). Immediately imbed the selected lagging fabric into the wet adhesive. Smooth to avoid wrinkles and overlap seams by at least 2 inches (5 cm). Immediately apply a sizing coat of Fire Resistive Lagging Adhesive and Coating at 75 to 80 sq. ft./gal. (1.8 - 2.0 m²/l).

TOP COATING

If 81-42/42Q is to be top coated with anything other than an alkyd enamel conforming to DOD-E-24607 as specified in Mil-A-3316C, the user must confirm by his own tests that the products are compatible and that the final results are satisfactory.

BRUSH

Use clean paintbrushes. Apply full coat in uniform thickness.

DIP


On long runs or large surface areas, lagging fabric may be dipped to achieve greater speed and labor economy. Dipped lagging cloths and tapes must be applied to the insulation while lagging adhesive is still wet.

SPRAY

Fire Resistive Lagging Adhesive and Coating may be spray applied using conventional air atomized or airless spray equipment. For spray equipment information, please consult Airless Spray Recommendations or contact your spray equipment supplier. Average viscosity range: 30,000 - 40,000 cps.

CLEAN-UP

Use fresh water to clean brushes and equipment before product dries. Dry product may be removed with hot soapy water or strong solvent such as chlorinated solvent (non-flammable) or mineral spirits (flammable).

	GENERAL PURPOSE COATING	
	SURFACE BURNING CHARACTERISTICS	
Applied to 1/4" Inorganic Reinforced Cement Board		
Flame Spread:		10
Smoke Developed:		5
Rate per Coat (Sq.ft/gallon):		40
Number of Coats		1
Flash point of liquid coating (closed cup): no flash		
282U		



CUSTOMER SERVICE—800-231-9541 OR 800-338-2975

IMPORTANT: Specialty Construction Brands, Inc. warrants that each of its products will be manufactured in accordance with the specifications in effect on the date of manufacture. WE MAKE NO OTHER WARRANTIES AND EXPRESSLY DISCLAIM ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. OUR ACCEPTANCE OF ANY ORDERS FOR THE PRODUCT IS EXPRESSLY CONDITIONAL UPON PURCHASER'S ASSENT TO THE TERMS ON THE APPLICABLE INVOICE.

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 six months from date of shipment to the original purchaser.

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