



81-42W

Product Data Sheet

PROPERTIES

COLOR:

White

APPLICATION CONSISTENCY:

Brush, spray or dip

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

10.1 lbs. (1.21 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

34% by volume (45% by weight)

COVERAGE RANGE:

Subject to type of surface being bonded.

80 to 90 sq. ft. per gal. (2.0 to 2.2 m²/l) per coat.

0.020 in. to 0.018 in. wet film thickness (0.51 to 0.46 mm)

BONDING TIME RANGE:

0 to 10 minutes (depending on temperature and humidity)

SERVICE TEMPERATURE LIMITS:

Temperature at coated surface.

0°F to 180°F (-18°C to 82°C)

WATER VAPOR PERMEANCE (TYPICAL AVERAGE):

ASTM F1249: 2.0 perms at 0.019 in. dry film thickness (1.3 metric perms at 0.5 mm). Tested at 100°F (38°C) and 90% RH.

WET FLAMMABILITY:

No flash to boiling, 212°F (100°C)

SURFACE BURNING CHARACTERISTICS (ASTM E84):

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.

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.

FOSTER® LAGFAS® ADHESIVE/COATING



FOSTER® LAGFAS® Adhesive/Coating is a water-based, polyvinyl acetate emulsion adhesive with typical quick-setting properties, used extensively for adhering and sizing canvas and glass cloths, and other types of fabric covering over thermal insulation installed indoors. It presents a neat, white, cleanable finish, and will not yellow or become discolored with age. Cotton fabrics shrink tight and smooth onto the insulation.

LAGFAS® Adhesive/Coating has excellent brushing characteristics, which will result in better coverage and uniformly coated surfaces.

LAGFAS® Adhesive/Coating is produced under the classification and follow-up service of Underwriter's Laboratories, Inc. and meets NFPA 90A & 90B 25/50 requirements.

LAGFAS® Adhesive/Coating 81-42W meets the requirements of:

- MAS Certified Green®
- California Dept. of Public Health Standard Method v1.2
- VOC Emissions and Content requirements to contribute to **LEED v4** EQ Credit: Low Emitting Materials – Paints and Coatings
- Collaborative for High Performance Schools EQ 7.1

VOC Content: 10 g/l, less water and exempt solvents.



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H.B. Fuller Construction Products Inc.

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APPLICATION GUIDE FOR FOSTER® LAGFAS® ADHESIVE/COATING 81-42W

MATERIAL PREPARATION

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

APPLICATION

1. Apply a tack coat of LAGFAS® Adhesive/Coating at 80 – 90 sq. ft./gal. (2.0 – 2.2 m²/l).
2. Immediately embed the selected lagging fabric into the wet adhesive. Smooth to avoid wrinkles and overlap seams by at least 2 inches (5 cm).
3. Immediately apply a sizing coat of LAGFAS® Adhesive/Coating at 80 – 90 sq. ft./gal. (2.0 – 2.2 m²/l). The dry film thickness of this application will vary with the fabric selected.

BRUSH

Use clean paint brushes. Apply a 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. Lagging cloths and tapes if dipped must be applied to the insulation while lagging adhesive is still wet.

SPRAY

LAGFAS® Adhesive/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. Corrosion resistant pumps and fittings are suggested.

CLEAN UP

Use clean fresh water for cleaning equipment before product dries. After product dries, use solvent to clean up, such as chlorinated solvent (non-flammable) or xylol (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./gal.):	40	
Number of Coats:	1	
Flash point of liquid coating (closed cup):	No flash to boiling	
282U		

CUSTOMER SERVICE: 833-849-3700

IMPORTANT: H.B. Fuller Construction Products 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 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.