



85-00

Product Data Sheet

PROPERTIES

COLOR:

White (Wet), Translucent (Dry)

APPLICATION CONSISTENCY:

Smooth, excellent spray and extrusion

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

8.8 lbs. (1.05 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

38% by volume (40% by weight)

COVERAGE RANGE:

400 – 500 sq. ft./gal. (9.2 – 12.3 m²/l)

DRYING TIME 75°F (24°C) 50% RH:

Set to Touch: 15 Minutes

Dry Through: 3 Hours

BONDING TIME:

0 – 10 minutes

SERVICE TEMPERATURE LIMITS:

-20°F to 200°F (-29°C to 93°C)

TIME TO FIBER TEAR:

30 – 60 minutes, 1" duct liner

BOND STRENGTH TO GALVANIZED STEEL:

2.5 ± 0.5 pli at 40°F (4°C) and 20 hours

ASTM C916 PERFORMANCE:

7.1 Bond Strength @ R.T.: 3.0 ± 1.0 pli

7.2 Bond Strength @ 95% RH: 2.5 ± 0.5 pli

7.3 Bond Strength @ 158°F: 2.5 ± 0.5 pli

7.4 Bond Retention, 90 day, 158°F-Pass: 100% bond fiber failure

WET FLAMMABILITY:

No flash to boiling, >200°F (93°C)

SURFACE BURNING CHARACTERISTICS (ASTM E84):

Flame Spread: 5

Smoke Developed: 0

Coverage Rate: 400 sq. ft./gal. (9.8 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.

FOSTER® LINE-FAS™ ADHESIVE



FOSTER® LINE-FAS™ ADHESIVE is an economical, pure polymer, water-based, duct liner adhesive with excellent fire resistance, tack development and bond strength.

LINE-FAS™ ADHESIVE is intended for high volume spray and coil line operations. It runs smoothly on spray head, extrusion or roll coater equipment. Its fine atomization makes it ideal for manual spray applications as well.

LINE-FAS™ ADHESIVE is solvent free and features an exceptionally mild odor with very low VOC level. It has a mild/negligible odor when wet and no odor when dry.

LINE-FAS™ ADHESIVE meets ASTM C916, Type II (ASC-A-7001, Type II) adhesive requirements. It is intended for bonding fiberglass and mineral wool duct liner insulation to galvanized steel.

LINE-FAS™ ADHESIVE meets NFPA 90A and 90B 25/50 requirements.

LINE-FAS™ ADHESIVE 85-00 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: 5 g/l, less water and exempt solvents.



LINE-FAS™ ADHESIVE is produced under the classification and follow-up service of Underwriter's Laboratories, Inc.

LIMITATIONS

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

Not suggested for sealing vapor barrier jackets.

Overhead applications may require mechanical fasteners.

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H. B. Fuller Construction Products Inc.

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APPLICATION GUIDE FOR FOSTER® LINE-FAS™ ADHESIVE 85-00

MATERIAL PREPARATION

DO NOT THIN. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use. Before using for the first time, existing systems must be completely cleaned and free of the old adhesive and solvents. Corrosion resistant pumps and fittings are suggested.

APPLICATION

Uniformly apply LINE-FAS™ adhesive to the metal surface at 400 – 500 sq. ft./gal. (9.8 – 12.3 m²/l). While still wet, press the insulation into place, making sure that complete contact is made with applied adhesive.

SPRAY

The following equipment combinations are suggested:

	MODEL SPRAYGUN	FLUID NOZZLE	AIR CAP	FLUID PRESSURE	ATOMIZATION PRESSURE
Binks	2001SS	68SS	68PB	25 psi	60 psi
DeVilbiss	JGA-510	E	777	25 psi	60 psi


Airless, electric, 30:1 or equivalent. Tip: 0.019 – 0.025. Average viscosity range: 3,000 to 5,000 cps. All adhesive systems should have a fluid filter of at least a 50-mesh size at the pump, inline or at the gun.

ROLL COATERS, COIL LINES AND DUCT LINER MACHINES

Use clean equipment suitable for water-based adhesives. Adjust equipment to apply the smallest amount of adhesive that will produce satisfactory bonds. On roll coaters, protect the adhesive from exposure to the air as much as possible. Cover the trough and roller with plastic sheeting when not in use. In dry conditions, occasionally mist the surface of the adhesive with clean water to prevent skinning.

CLEAN UP

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

	ADHESIVES	
	SURFACE BURNING CHARACTERISTICS	
Applied to Inorganic Reinforced Cement Board		
Flame Spread:		5
Smoke Developed:		0
Tested as applied at a coverage rate of 400 ft ² /gal.		
312U		

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.**