



85-70

Product Data Sheet

PROPERTIES

COLOR:

Off white

APPLICATION CONSISTENCY:

Spray, brush or roller

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

8.8 lbs. (1.05 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

50% by volume (56% by weight)

COVERAGE RANGE:

Subject to type of surface and nature of material to be bonded.

Spray: 250 – 400 sq. ft. per gal. (6.1 – 9.8 m²/l)

Brush/Roller: 150 – 200 sq. ft. per gal. (3.7 – 4.9 m²/l)

BONDING TIME RANGE:

Depends on temperature, humidity and application rate.
0 – 20 minutes

SERVICE TEMPERATURE LIMITS:

Temperature at coated surface.
-20°F to 200°F (-29°C to 93°C)

FLAMMABILITY:

No flash to boiling, over 200°F (93°C)

SURFACE BURNING CHARACTERISTICS (ASTM E84):

Flame Spread: 0

Smoke Developed: 0

Tested at coverage rate of 200 sq. ft. per gal. (4.9 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 SPARK-FAS® WB ADHESIVE

SPARK-FAS® WB ADHESIVE is a high tack, rapid-setting, water-based adhesive used to adhere fibrous glass or mineral wool insulations (up to 6 lbs. density) to painted or unpainted steel, galvanized or aluminum air conditioning or hot air ducts. A synthetic elastomer emulsion, it is non-flammable when wet and extremely fire-resistant when dry. Its consistency resists dripping and spattering.

SPARK-FAS® WB ADHESIVE is ideal for bonding fibrous glass and rigid plastic foam insulations to wood, concrete or other materials of construction.

SPARK-FAS® WB ADHESIVE meets ASTM C916, Type 1 (ASC-A-7001, Type 1) requirements.

SPARK-FAS® WB ADHESIVE meets MIL-DTL-3316D, Class 2, Grade A requirements, and is listed on the QPD.

SPARK-FAS® WB ADHESIVE meets NFPA 90A and 90B 25/50 requirements.

SPARK-FAS® WB ADHESIVE contains no asbestos, lead, mercury, or mercury compounds.

SPARK-FAS® WB ADHESIVE 85-70 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
- Meets NFPA Standard 90A and 90B 25/50 requirements as a closure mastic

VOC Content: 66 g/l, less water and exempt solvents.

**LIMITATIONS**

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

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

Overhead applications may require mechanical fasteners.

Not suggested for use between two impermeable surfaces.

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H.B. Fuller Construction Products Inc.

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APPLICATION GUIDE FOR FOSTER SPARK-FAS® WB ADHESIVE 85-70

MATERIAL PREPARATION

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

APPLICATION

Apply the SPARK-FAS® WB Adhesive to the surface uniformly at 250 – 400 sq. ft. per gal. (6.1 – 9.8 m²/l). While still wet, press the insulation into place, making sure that complete contact is made with applied adhesive.

BRUSH/ROLLER

Use clean equipment suitable for water-based paints. Apply SPARK-FAS® WB Adhesive to metal surface uniformly. Press insulation into place, making sure that complete contact is made with applied adhesive.

SPRAY

SPARK-FAS® WB Adhesive can be easily applied, with a paint-like spray pattern, using a variety of conventional air atomizing and airless spray equipment.

The following equipment combinations are suggested:

	SPRAYGUN MODEL	FLUID NOZZLE	AIR CAP	FLUID PRESSURE	ATOMIZATION PRESSURE
Binks	62	63	66SD	25-25 psi	60-70 psi
DeVilbiss	JGA	FX	770	20-25 psi	60-70 psi

For spray equipment information, please contact your spray equipment supplier. Average viscosity range: 5000 – 8000 cps. 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).

DATA REPORTED FROM ASTM E84 FIRE TEST (TUNNEL TEST)

ADHESIVES SURFACE BURNING CHARACTERISTICS	
Applied to ¼ Inch (6.4 mm) Inorganic Reinforced Cement Board	
Flame Spread:	15
Smoke Developed:	0
Number of Coats:	1
Rate per Coat (sq. ft. per gal.):	200

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.

Foster PDS 85-70 R0321 NP