



85-70

Product Data Sheet

PROPERTIES

COLOR:

Off white

APPLICATION CONSISTENCY:

Spray, brush or roller

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

8.8 lbs. (1.05 kg/l)

AVERAGE NON-VOLATILE (ASTM D 2369):

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 to 9.8 m²/l)
Brush/Roller: 150-200 sq. ft. per gal. (3.7 to 4.9 m²/l)

BONDING TIME RANGE:

0-20 minutes (depending on temperature, humidity and application rate)

SERVICE TEMPERATURE LIMITS:

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

FLAMMABILITY (ASTM D 93):

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

SURFACE BURNING CHARACTERISTICS (ASTM E 84):

Flame Spread: 15.0

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.

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Visit us on the web at www.fosterproducts.com

FOSTER SPARK-FAS® WB ADHESIVE

FOSTER SPARK-FAS WB Adhesive is a high tack, rapid-setting water base 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 C 916, Type 1 (ASC-A-7001, Type 1) requirements.

SPARK-FAS WB Adhesive meets MIL-A-3316C, Class 2, grade A requirements, and is listed on the QPL.

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

SPARK-FAS WB Adhesive meets requirements for LEED IEQ 4.1 Low-Emitting Materials, Adhesives and Sealants. VOC: 66 g/l, less water and exempt solvents.

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

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-base adhesive.

Overhead applications may require mechanical fasteners.

Not suggested for use between two impermeable surfaces.

H.B. Fuller Construction Products Inc.

1105 South Frontenac Street o Aurora, IL 60504 o 800-832-9002 o fax 800-952-2368

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 base 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:

	MODEL SPRAYGUN	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
Graco	Siphon	.070	208765B	Siphon	60 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	
H.B. Fuller Company	
	Surface Burning Characteristics
	1/4 inch (6.4 mm) Inorganic Reinforced Cement Board
Surface Flame Spread	15
Smoke Developed	0
Number of Coats	1
Rate per Coat (sq. ft. per gal.)	200

CUSTOMER SERVICE: 800-832-9002

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 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.