



SPARK-FAS® Adhesive

85-20™

Product Data Sheet

PROPERTIES

COLOR:
Off White

APPLICATION CONSISTENCY:
Brush

AVERAGE WEIGHT / U.S. GALLON (ASTM D1475):
10.8 lbs. (1.29 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):
44% by weight

COVERAGE RANGE:
Subject to type of surface and nature of material being bonded.

FOR INSULATION ATTACHMENT: 200 sq. ft./gal. (4.9 m²/l)
0.008 in. wet film thickness (0.2 mm)

FOR LAP SEALING: 75 sq. ft./gal. (1.8 m²/l) 0.021 in. wet film thickness (0.5 mm). Averages 500 linear feet (152 meters) of 2 in. (5 cm) wide band of adhesive

BOND TIME RANGE:
For insulation attachment: 0 – 15 minutes
For lap sealing: 2 – 10 minutes

SERVICE TEMPERATURE LIMITS:
Temperature at coated surface.
-20°F to 180°F (-29°C to 82°C)

WET FLAMMABILITY:
No flash to boiling: 98°F (37°C)

SURFACE BURNING CHARACTERISTICS (ASTM E84):
Flame Spread: 15
Smoke Developed: 0
Tested at coverage rate of 200 sq. ft./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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FOSTER® SPARK-FAS® ADHESIVE

SPARK-FAS® ADHESIVE is a quick-setting, non-flammable, fire-resistive, synthetic elastomer adhesive used to adhere duct wrap, fibrous glass or mineral wool insulations (up to 6 lbs. density) to galvanized steel and aluminum air conditioning or hot air ducts, where a fire-resistive dry film is required. Non-flammable chlorinated solvents eliminate explosion and fire hazards during application.

SPARK-FAS® ADHESIVE will adhere insulation to wood and concrete. In this application, the coverage may not be as great as shown at left.

SPARK-FAS® ADHESIVE gives superior service when it is used as a contact adhesive to cement the laps of aluminum foil, FSK, ASJ and FRK facings.

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

SPARK-FAS® ADHESIVE meets MIL-A-3316C, Class 2, Grade A test requirements.

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

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

FOSTER® SPARK-FAS® ADHESIVE 85-20™ 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: 162 g/l, less water and exempt solvents.



LIMITATIONS:

Store and apply between 40°F (4°C) and 100°F (38°C).

Always test plastic and painted materials for compatibility when using a solvent-based product. Do not use with flexible PVC.

Make certain this product is completely dry and the area free from solvent odor if food is involved.

H.B. Fuller Construction Products Inc.

6107 Industrial Way ○ Houston, TX 77011 ○ 833-849-3700

APPLICATION GUIDE FOR FOSTER® SPARK-FAS® ADHESIVE 85-20™

MATERIAL PREPARATION

Stir well, DO NOT THIN. No need to prime aluminum or galvanized metal. Apply only to clean, dry, dust-free surfaces. Keep container closed when not in use to prevent solvent evaporation. Do not use pumps or equipment that have aluminum parts in contact with the adhesive.

APPLICATION

INSULATION ATTACHMENT:

The metal surface shall be coated by brush with SPARK-FAS® ADHESIVE at a coverage of 200 sq. ft./gal. (4.9 m²/l). Allow an open time of 0 to 15 minutes to develop full tack. Install insulation and apply pressure to assure complete and uniform contact to the metal surface. The application suggestions do not preclude the use of additional mechanical fastening as recommended by insulation manufacturer or required by design engineer.

LAP, BUTT STRIP AND PIN PATCH SEALING:


All longitudinal and butt joint laps of facing shall overlap a minimum of two inches (5 cm). Apply a brush coat of SPARK-FAS® ADHESIVE at the rate of 75 sq. ft./gal. (1.8 m²/l). Allow an open time of 2 to 10 minutes to develop full tack. Bond laps by applying uniform pressure, smoothing out to avoid wrinkles and gaps. Alternate – Apply a brush coat of SPARK-FAS® ADHESIVE at the rate of 150 sq. ft./gal. (3.7 m²/l) to each surface. Allow an open time of 2 to 10 minutes to become tacky. Bond laps by applying uniform pressure, smoothing out to avoid wrinkles and gaps.

BRUSH:

Use a good brush (suitable for chlorinated solvents), making strokes as long as possible. Do not overwork.

CLEAN UP

Use a chlorinated solvent (non-flammable) or xylol (flammable) to clean brushes and equipment.

	ADHESIVES	
	SURFACE BURNING CHARACTERISTICS	
	312U	
Applied to Inorganic Reinforced Cement Board		
Flame Spread:		15
Smoke Developed:		0
Tested as applied at a coverage rate of 200 sq. ft./gal.		
		R5661

CUSTOMER SERVICE: (833) 849-3700

IMPORTANT: H.B. Fuller Construction Product 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.**