

### PROPERTIES

**COLOR:**  
Off White

**APPLICATION CONSISTENCY:**  
Brush

**AVERAGE WEIGHT / U.S. GALLON (ASTM D 1475):**  
10.8 lbs. (1.29 kg/l)

**AVERAGE NON-VOLATILE (ASTM D 2369):**  
42.5% by volume (42% by weight)

**COVERAGE RANGE (FSTM 72):**  
(Subject to type of surface and nature of material being bonded.)

**For insulation attachment:**  
200 sq. ft./gal. (4.9 m<sup>2</sup>/l)  
0.008 in. wet film thickness (0.2mm)

**For lap sealing:**  
75 sq. ft./gal. (1.8 m<sup>2</sup>/l)  
0.021 in. wet film thickness (0.5mm)  
Averages 500 lineal feet (152 m) of 2 in. (5 cm) wide band of adhesive.

**BOND TIME RANGE (FSTM 66):**  
**For insulation attachment:**

0 to 15 minutes  
**For lap sealing:**  
2 to 10 minutes

**SERVICE TEMPERATURE LIMITS (FSTM 70):**  
(Temperature at coated surface)  
-20°F to 180°F (-29°C to 82°C)

**WET FLAMMABILITY (ASTM D 93):**  
No flash to boiling, 98°F (37°C)

**SURFACE BURNING CHARACTERISTICS (ASTM E 84):**  
Flame Spread: 15  
Smoke Developed: 0  
Tested at coverage rate of 200 sq. ft./gal. (4.9 m<sup>2</sup>/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<sup>®</sup> SPARK-FAS<sup>®</sup> ADHESIVE



**Foster<sup>®</sup> Spark-Fas<sup>®</sup> 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 C 916, 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.

**Spark-Fas Adhesive** contains no asbestos, lead, mercury, or mercury compounds.

#### 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 base 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.

# 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 Foster® Spark-Fas® Adhesive at a coverage of 200 sq. ft./gal. (4.9 m<sup>2</sup>/l). Allow an open time of 0 to 15 minutes to develop full tack. Install insulation, apply pressure to assure complete and uniform contact to the metal surface.

The above 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 Foster Spark-Fas Adhesive at the rate of 75 sq. ft./gal. (1.8 m<sup>2</sup>/l). Allow an open time of 2 to 10 minutes to develop full tack.

Alternate - Apply a brush coat of Foster Spark-Fas Adhesive at the rate of 150 sq. ft./gal. (3.7 m<sup>2</sup>/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	
Applied to Inorganic Reinforced Cement Board		
Flame Spread:		15
Smoke Developed:		0
Tested as applied at a coverage rate of 200 ft <sup>2</sup> /gal 312U		



**CUSTOMER SERVICE—800-231-9541 OR 800-338-2975**

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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.**