



85-20

Foster Spark-Fas® Adhesive

Colour

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)

35% by volume (34% 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 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 m) of 2 in. (5 cm) wide band of adhesive.

Bonding 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)

Minus 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 m²/l).

Applied to ¼ 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 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 aluminium 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 aluminium 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 odour if food is involved.



FOSTER SPARK-FAS® ADHESIVE 85-20

Material Preparation

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

Application

- A. **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 m²/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.
- B. **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 m²/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 m²/l) to each surface. 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.

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.

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Building Materials Directory

Adhesives

R5661

H.B. Fuller Company

	Surface Burning Characteristics
	¼ inch (6.4 mm) Inorganic
Surface	Reinforced Cement Board
Flame Spread	15
Smoke Developed	0

Tested as applied at a coverage of 200 sq. ft. per gal.

For industrial use only.

This data sheet is based on specifications, data and test results available to us at the time of publication.

In the course of time changes herein may (have) take(n) place. No guarantee as to completeness, accuracy or results is either expressed or implied. The suitability to an intended use is the responsibility of the user. As material-choice, method of application and site conditions are beyond our control, we accept no liability for direct or consequential damages; our only obligation being to resupply ex our stores any material that is proved to be defective within the published* shelf life.

* If not applicable, within 6 months from date of supply.