



## PROPERTIES

**COLOR:**  
Gray

**APPLICATION CONSISTENCY:** Brush, Trowel, Glove, Caulking Gun, or Power Extrusion

**AVERAGE WEIGHT / U.S. GALLON (ASTM D1475):**  
11.7 pounds (1.40 kg/l)

**AVERAGE NON-VOLATILE (ASTM D 2369):**  
56% by volume (70% by weight)

**COVERAGE RANGE (FSTM 72):**  
Brush: 50 sq. ft./gal (1.2 m<sup>2</sup>/l) 0.032 in. (0.8 mm) wet film thickness  
Caulking Gun: 125 lineal ft. per 10.5 fluid oz. tube, 1/8 in. bead (38 m per .31 l tube, 3.2 mm bead.)  
30 lineal ft. per 10.5 fluid oz. tube, 1/4 in. bead (9 m per .31 l tube, 6.4 mm bead).

**DRYING TIME 73°F (23°C) 50% RH (ASTM D 1640):**  
Set to Touch: 1 hour  
Dry Through: 16 hours

**SERVICE TEMPERATURE LIMITS (FSTM 165):**  
20°F to 200°F (-7°C to 93°C)

**FUNGAL GROWTH RESISTANCE (ASTM G 21):**  
Rating=0, no fungal growth on surface.

**SHORE HARDNESS (ASTM D 2240):**  
Type A: 72

**WET FLAMMABILITY (ASTM D 3828):**  
No flash to boiling, over 210°F (99°C)

**SURFACE BURNING CHARACTERISTICS (ASTM E 84):**  
Flame Spread: 0  
Smoke Developed: 0  
Tested as applied in two 2 in. wide strips spaced 8 in. on center at a coverage rate of 45.0 sq ft/gal. Applied to 1/4 (6.4 mm) inorganic reinforced cement board. The flame spread may vary at different product thicknesses and/or when applied over other surfaces.

**Duct-Fas Duct Sealant** is produced under the classification and follow-up service of Underwriter's Laboratories, Inc. and meets NFPA 90A and 90B 25/50 requirements. **It is approved for use in the City of Los Angeles, application number M-960057.**

**Duct-Fas Duct Sealant** is approved by the U.S. Coast Guard under 164.012. It contains no asbestos, lead, mercury, or mercury compounds.

*Visit us on the web at [www.fosterproducts.com](http://www.fosterproducts.com)*

## FOSTER® DUCT-FAS™ DUCT SEALANT



**Foster® Duct-Fas™ Duct Sealant** is a fire resistive, water based, indoor/outdoor, U.V. resistant, non-fibrated sealant for use on low, medium and high velocity ducts to form an extremely flexible, yet durable seal against air leakage. It is supplied in a special thixotropic consistency that allows easy application by brush, glove, trowel, power extrusion or caulking gun.

**Duct-Fas Duct Sealant** may be pressure tested after 24 hours dry time above 70°F (21°C). It quickly forms a strong bond to clean galvanized, aluminum and mild steel metal ducts.

**Duct-Fas Duct Sealant** is ideal for sealing ASJ, FRK, and FSK jackets and board facings at joints, laps and over staple and weld pin punctures, and for sealing flexible air ducts to rigid connectors.

**Duct-Fas Duct Sealant** complies with current requirements regarding use in meat and poultry processing areas under federal inspection. Letter of compliance is available upon request.

**Duct-Fas Duct Sealant** meets requirements for LEED IEQ 4.1 Low-Emitting Materials, Adhesives and Sealants. VOC: 24 g/l, less water and exempt solvents.

**Duct-Fas Duct Sealant** will meet all SMACNA pressure classes up to 10" w.g. and SMACNA seal classes A, B, and C on ducts constructed to SMACNA standards. It has been tested up to 15" w.g. and passed with no sealant blow out.

### LIMITATIONS

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

To resist rain washoff, allow at least 16 hours drying time above 40°F (4°C), with a relative humidity of 50%. Higher humidity or lower temperatures may retard drying.

Always test foil and paper facings for acceptable adhesion.

Outdoor horizontal surfaces must always drain completely. A pitch of at least 1/2 inch per foot (4cm/m) is required.

If used between impermeable surfaces, drying time will be extended.

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**H.B. Fuller Construction Products Inc.**

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# APPLICATION GUIDE FOR FOSTER® DUCT-FAS™ DUCT SEALANT 32-19™ UL 181B-M

## MATERIAL PREPARATION

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

## APPLICATION: UL 181B MASTIC CLOSURE OF UL-181 FLEXIBLE AIR DUCTS:

Apply to clean, dry, oil-free surfaces by brush, trowel, or power extrusion. Brush out uniformly a 2" wide coat over the joint, at the nominal rate of 2 gal/100 sq ft (0.8 l/m<sup>2</sup>). Total coverage rate to be 45-55 sq. ft/gal. (1.1-1.4 m<sup>2</sup>/l) Allow the completed joint to dry at least 24 hours above 70°F (21°C) before pressure testing. High humidities (over 70%) and/or cooler temperatures may retard drying. Total wet film thickness to be 32 mils +/- 3 mils.

## OTHER SEALING APPLICATIONS - NOT UL-181:

Apply a continuous film of Duct-Fas Duct Sealant over all areas of the indoor or outdoor duct system where air leakage may occur. A brush may be used to work the sealant into joints and remove excess. On spiral ducts apply a coat Duct-Fas Duct Sealant to the male end of the coupling prior to fitting the straight run of spiral duct over it. Brush excess Duct-Fas Duct Sealant over the joint to complete the seal. Screw holes and flanges should also be sealed with a coat of Duct-Fas Duct Sealant. It may be applied to the inside or the outside of the duct.

## POWER EXTRUSION


Duct-Fas Duct Sealant may be applied using a wide variety of power (pressure) extrusion equipment suitable for use with waterbase sealants. It is a soft buttery gel with a typical viscosity range of 130,000 - 160,000 cps. Corrosion resistant pumps are fittings are suggested.

## TOP COATING

After it is completely dry, Duct-Fas Duct Sealant may be top coated with good quality water base paint.

## CLEAN-UP

Use fresh water to clean brushes and equipment before product dries. Dry product may be removed with hot soapy water or strong solvents such as chlorinated solvent (non-flammable) or xylol (flammable).

 <b>LISTED</b>	UL 181B-M 6P84 ALSO CLASSIFIED for Surface Burning Characteristics
	Applied to Inorganic Reinforced Cement Board
Flame Spread:	0
Smoke Developed:	0
Tested as applied in two 2 in. wide strips spaced 8 in. on center at a coverage rate of 45.0 sq ft/gal. 312U	

## 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.**