



32-16

FIBER-FAS™ Duct Sealant

Product Data Sheet

Foster® 32-16 Fiber-Fas Duct Sealant is a fire-resistive, fibrated, water based, indoor/outdoor duct sealant for low, medium and high velocity heating and air conditioning ducts. It performs as a tough and flexible adhesive and sealant, forming a durable seal against air leakage when used with or without reinforcing tape or membrane.

Fiber-Fas™ Duct Sealant may be pressure tested within 16 hours dry time above 70°F (21°C) and below 60% RH. It quickly forms a strong bond to galvanized, aluminum or mild steel metal ducts. It has a mild odor when wet.

Physical Properties:

Color:	Gray
Application Method:	Brush or trowel
Weight/Gallon	11.6 lbs/gal (1.35 kg/l)
Solids Content:	55% by volume (69% by weight)
Drying Time:	Set to Touch: 1 hours Dry Through: 24 hours
Shore Hardness (ASTM D 2240):	Type A: 80
Coverage Rate:	Brush: 25-50 sq. ft./gal (.6-1.2 m ² /l) 0.064 in. (1.6 mm) -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 tube, 6.4 mm bead).
Service Temperature Limits: <small>(Temperature at coated surface)</small>	20°F to 200°F (-7°C to 93°C)
VOC Content:	40 g/l, less water and exempt solvents
Wet Flammability (ASTM D 3278):	No flash to boiling, over 210°F (99°C)
Water Vapor Permeance (ASTM E 96):	Procedure A: 0.45 perms (0.30 metric perms) at 35 mils (.9 mm) dry
Surface Burning Characteristics (ASTM E 84):	Flame Spread: 5 Smoke Developed: 0 Tested as applied in two 2 in. wide strips spaced 8 in. on center at a coverage rate of 25.0 sq ft/gal.

Product Features:

- **UL 181B-M Listed**
- Meets NFPA 90A & 90B 25/50 requirements.
- Produced under the classification and follow-up service of Underwriter's Laboratories, Inc.
- Meets all SMACNA pressure classes up to 10" w.g.
- Meets SMACNA seal classes A, B, and C on ducts constructed to SMACNA standards.
- Meets LEED® IEQ 4.1 Requirements
- **Contributes to USGBC LEED credits for:**
 - LEED for Schools, NC, Core and Shell Low Emitting Materials, 4.1
 - LEED for Homes MR Credit 2.2
 - LEED for Existing Buildings MR Credit 3
 - SCAQMD Rule 1168 Compliant
 - Ozone Transport Commission (OTC) Compliant



- **MADE IN USA**

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Product Considerations:

- 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 12-15 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.
- If used between impermeable surfaces, drying time will be extended.
- Mechanical fasteners of the type and number normally used for duct assemblies are required to provide rigidity to the duct system.

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APPLICATION GUIDE FOR FOSTER® 32-16 FIBER-FAS™ SEALANT 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/m²). Total coverage rate to be 45-55 ft²/gal. (1.1-1.4 m²/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:

Apply a continuous film of Foster® Fiber-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 at coat to the male end of the coupling prior to fitting the straight run of spiral duct over it. Brush excess sealant over the joint to complete the seal. Screw holes and flanges should also be sealed with a coat of Fiber-Fas Duct Sealant. It may be applied to the inside or the outside of the duct.

POWER EXTRUSION

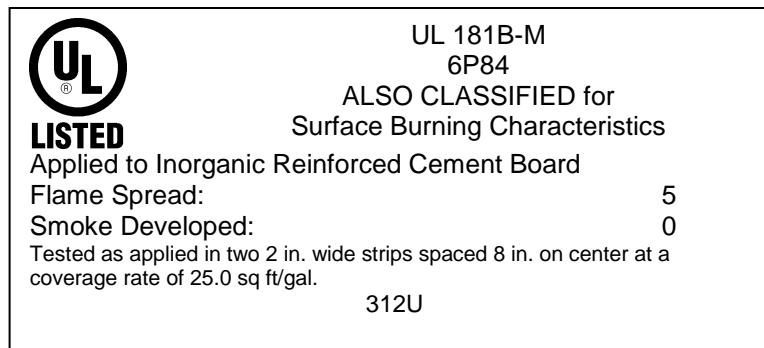
Safetee Duct Sealant may be applied using a wide variety of power (pressure) extrusion equipment suitable for use with waterbase sealants. It is a soft buttery gel with a typical viscosity range of 130,000 - 160,000 cps. Corrosion resistant pumps are fittings are suggested.

TOP COATING

After it is completely dry, Fiber-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 solvent such as chlorinated solvent (non-flammable) or xylol (flammable).



CUSTOMER SERVICE—800-832-9002

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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.**