



32-18

Product Data Sheet

PROPERTIES

COLOR:

Gray

APPLICATION CONSISTENCY: Brush, Trowel, Glove, or Power Extrusion

AVERAGE WEIGHT / U.S. GALLON:

11.6 pounds (1.39 kg/l)

AVERAGE NON-VOLATILE:

54% by volume (67% by weight)

COVERAGE RANGE:

Brush: 50 -80 ft<sup>2</sup>/gal (1.2-2.0 m<sup>2</sup>/l)
0.020in. to 0.032 in. (0.5 to 0.8 mm) wet film thickness

DRYING TIME 73°F (23°C) 50% RH:

Set to Touch: 1 hour
Dry Through: 16 hours

SERVICE TEMPERATURE LIMITS:

20°F to 200°F (-7°C to 93°C)

FUNGAL GROWTH RESISTANCE (UL-181 B-M):

Pass.

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 at coverage rate of 45 sq. ft. per gal. (1.1 m<sup>2</sup>/l) in a 2 inch (51 mm) wide strip. 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.

Contains no asbestos, lead, mercury, or mercury compounds.

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MADE IN THE USA

FOSTER AIR-FAS™ DUCT SEALANT



Air-Fas Duct Sealant is a UL-181 B-M listed, economical, water based, non-fibrated sealant for use on low, medium and high velocity ducts to form a flexible, yet durable seal against air leakage. It is supplied in a special thixotropic consistency that allows easy application by brush, glove, trowel, or power extrusion.

Air-Fas Duct Sealant may be pressure tested after 16-24 hours dry time above 70°F (21°C). It quickly forms a strong bond to clean galvanized, aluminum and mild steel metal ducts.

Air-Fas Duct Sealant can also be used to seal ASJ, FRK, and FSK jackets and board facings at joints and laps and for sealing flexible air ducts to rigid connectors.

Air-Fas Duct Sealant meets requirements for LEED IEQ 4.1 Low-Emitting Materials, Adhesives and Sealants. VOC: 13 g/l, less water and exempt solvents.

Air-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.

UL LISTED 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 a two in. wide strips spaced 8 in. on center, at a rate of 45 sq ft per gal. 312U

H.B. Fuller Construction Products Inc.

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# APPLICATION GUIDE FOR FOSTER® AIR-FAS DUCT SEALANT 32-18 UL-181 B-M

## **MATERIAL PREPARATION**

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

## **APPLICATION: UL 181 B 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 80 ft<sup>2</sup>/gallon (2.0 m<sup>2</sup>/l). Allow the completed joint to dry at least 48 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 20 mils (0.5 mm).

## **OTHER SEALING APPLICATIONS - NOT UL-181:**

Apply a continuous film of duct sealant over all areas of the 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 of duct sealant 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 duct sealant. It may be applied to the inside or the outside of the duct.

## **POWER EXTRUSION**

Air-Fas Duct Sealant may be applied using a wide variety of power (pressure) extrusion equipment suitable for use with water based sealants. It is a soft buttery gel with a typical viscosity range of 90,000 - 140,000 cps. Corrosion resistant pumps and fittings are suggested.

## **TOP COATING**

After it is completely dry, Air-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).

## **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.**