# 32-13
***Product Data Sheet***

# FOSTER®
# LOW VOC HIGH VELOCITY DUCT SEALANT

## PROPERTIES

**COLOR:**
Gray

**APPLICATION CONSISTENCY:**
Brush, caulking gun, or power extrusion

**AVERAGE WEIGHT / U.S. GALLON (ASTM D1475):**
9.7 lbs. (1.16 kg/l)

**AVERAGE NON-VOLATILE (ASTM D2369):**
45% by volume (63% by weight)

**COVERAGE RANGE:**
BRUSH:

- 35 – 50 sq. ft./gal. (0.9 – 1.2 $m^2$/l) 0.032 to 0.046 in. (0.8– 1.2 mm) wet film thickness

CAULKING GUN:

- 125 linear ft. per 10.5 fluid oz. tube, 1/8 in. bead (38 m per 0.31 liter tube, 3.2 mm bead)
- 30 linear ft. per 10.5 fluid oz. tube, 1/4 in. bead (9 m per 0.31 liter tube, 6.4 mm bead)

**SERVICE TEMPERATURE LIMITS:**
Temperature at coated surface.
-10°F to 200°F (-23°C to 93°C)

**DRYING TIME 75°F (24°C) 50% RH:**
Set to Touch: 2 hours
Dry Through: 36 hours

**WET FLAMMABILITY:**
Flash point: Less than 15°F (-10°C)

**SHORE HARDNESS (ASTM D2240):**
Type A: 52

**SURFACE BURNING CHARACTERISTICS (ASTM E84):**
Flame Spread: 0
Smoke Developed: 15
Tested as applied in two 2” wide strips spaced 8 in. on center at a coverage of 26.7 sq. ft./gal. 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® LOW VOC DUCT SEALANT** is a fast-setting, elastomeric compound designed as a joint sealant for high velocity air conditioning ducts installed indoors and outdoors. It is a low VOC formulation, making it suitable for use in environments where air quality and regulatory compliance are important. The sealant may be used with or without reinforcing tapes and applies cleanly without stringing. It has a mild “paint-type” odor and provides excellent workability. Mechanical fasteners of the type and number normally used for duct assemblies are required to provide rigidity to the duct system.

**LOW VOC DUCT SEALANT** can be used to adhere duct fabrics and flexible tubing runouts to high velocity ducts and to mixing boxes or air diffuser heads.

**LOW VOC DUCT SEALANT** meets NFPA 90A & 90B 25/50 requirements.

**LOW VOC 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.

**LOW VOC DUCT SEALANT** meets requirements for LEED IEQ 4.1 Low-Emitting Materials, Adhesives and Sealants. Sealant – Other per SMACNA TRB #9-09.

VOC Content: 76 g/L, less water and exempt solvents. (Cartridges <4% VOC)

**LIMITATIONS**
Store and apply between 40°F (4°C) and 100°F (38°C).

Always test plastic materials for compatibility when using a solvent-based product.

Systems may be pressure-tested 36 hours after application, above 60°F (16°C).

Make certain this product is completely dry and the area free from solvent odor if food is involved.

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

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# APPLICATION GUIDE
# FOR
# FOSTER® LOW VOC HIGH VELOCITY DUCT SEALANT
# 32-13

**MATERIAL PREPARATION**
DO NOT THIN. Stir well, but do not use sticks or boards which would splinter or otherwise contaminate the product. Apply only to clean, dry, oil-free surfaces. Keep container closed when not in use.

**APPLICATION**
Apply by brush or extrusion.

BRUSH:
On spiral duct, apply a thick coat of 32-13 to the male end of the coupling prior to slipping the straight run of spiral duct over it. Brush excess 32-13 over the exterior of the joint and over the heads of all metal screws after they are in place and the joint is mechanically fastened. On the flanges of rectangular ducts, both flange faces should receive a coat of 32-13 before joining with the flange gasket. Join and bond while sealant is still wet (0 – 3 min.). If the material should skin on the surface after application, this may be broken by a slight twisting action of the metal duct or a fresh application over the first coat.

POWER EXTRUSION:
LOW VOC DUCT SEALANT may be applied using a wide variety of power (pressure) extrusion equipment suitable for use with solvent-based sealants. Average viscosity: 100,000 – 150,000 cps. (Brookfield).

**CLEAN UP**
Use a solvent such as chlorinated solvent (non-flammable) or mineral spirits (flammable) for cleaning tools and equipment.

## CUSTOMER SERVICE: 833-849-3700

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 MERCHANTIBILITY 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 twelve months from date of shipment to the original purchaser or as otherwise provided on the certificate of analysis.

**For professional use only. Keep out of reach of children.**
**Consult Safety Data Sheet and container label for further information.**