



95-96

Product Data Sheet

PROPERTIES

COLOR:

Bright White

APPLICATION CONSISTENCY:

Brush, Trowel, Glove or Power Extrusion

AVERAGE WEIGHT / U.S. GALLON (ASTM D 1475):

12.0 lbs. (1.44 kg/l)

AVERAGE NON-VOLATILE (ASTM D 2369):

53% by volume (67% by weight)

COVERAGE RANGE (FSTM 72):

Brush: 45-55 sq. ft./gal. (1.10-1.35 m²/l)

0.036-0.029 in. (0.9-0.7 mm) wet film thickness

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)

WET FLAMMABILITY (ASTM D 3278):

No flash to boiling, 210°F (99°C)

VAPOR-SAFE WHITE DUCT CLOSURE MASTIC:

Meets NFPA 90A and 90B 25/50 requirements. Tested at coverage rate of 45 sq. ft. per gal. (1.1 m²/l) in a 3 in. (7.6 cm) strip. Applied to rigid fiberglass duct board. Type 475, covered with foil/scrim/kraft paper facing material.

Flame Spread: 0

Smoke Developed: 0

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VAPOR-SAFE® WHITE DUCT CLOSURE MASTIC

VAPOR-SAFE WHITE DUCT CLOSURE MASTIC is a fire resistive, fibrated, water-based, vapor retardant sealant for indoor or outdoor 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 reinforcing membrane. Mechanical fasteners of the type and number normally used for duct assemblies are required to provide rigidity to the duct system.

VAPOR-SAFE WHITE DUCT CLOSURE MASTIC has excellent vapor retardant properties that make it the perfect choice for duct closure and butt joint sealing on both flexible and rigid faced fiberglass duct systems. It is non-flammable and has a mild odor when wet. It dries odor free.

VAPOR-SAFE WHITE DUCT CLOSURE MASTIC is ideal for vapor sealing ASJ, FRK, and FSK jackets and board facings at joints, laps and over staple and weld pin punctures.

VAPOR-SAFE WHITE DUCT CLOSURE MASTIC contains no asbestos, lead, mercury, or mercury compounds.

UL 181A-M & UL 181B-M Listed

FOSTER VAPOR-SAFE WHITE DUCT CLOSURE MASTIC is listed by Underwriters Laboratories, Inc. under Standard 191A, Mastic Closure System for Use with UL 181 Rigid Fiberglass Air Ducts and Standard 181B, Mastic Closure of UL 181 Flexible Air Ducts.

LIMITATIONS

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

8111 (3/02)

Specialty Construction Brands, Inc.

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APPLICATION GUIDE FOR FOSTER VAPOR-SAFE WHITE DUCT CLOSURE MASTIC 95-96

MATERIAL PREPARATION

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

APPLICATION

UL 181A MASTIC CLOSURE OF UL 181 RIGID FIBERGLASS AIR DUCTS:

Apply to the surface by brush, trowel, or power extrusion. Brush out uniformly a 3"-4" wide tack coat over the stapled and smoothed joint, at the nominal rate of 1 gal./100 sq. ft. (0.4 l/m²). Embed the reinforcing membrane into the tack coat, taking care that all of the mesh is filled. Pull the membrane taut and apply a second coat at the nominal rate of 1 gal./100 sq. ft. (0.4 l/m²). 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 (mastic plus scrim plus mastic) wet film thickness to be 32 mils. Fiberglass scrim to be 5 mils thick, 20x10 plain weave weighing 1.75 oz/yd² (59 g/m²).

UL 181B MASTIC CLOSURE OF UL 181 FLEXIBLE AIR DUCTS:

Apply to clean, dry, oil-free surface 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 sq. ft./gal. (1.10-1.35 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 29-35 mils (0.7-0.9mm).

OTHER DUCT CLOSURE AND SEALING APPLICATIONS - NOT UL181 LISTED:

For other applications or on different types of low velocity metal duct construction, the use of a reinforcing membrane is optional. (Reinforcing membrane is suggested in medium and high-pressure application.) Apply at a rate of 45-55 sq. ft./gal. (1.10-1.35 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. For best results, do not exceed 1/4" (6.4mm) wet film thickness. Vapor-Safe Duct Closure Mastic has excellent weather, water, and U.V. resistance, along with low water vapor permeance allowing it to be used outdoors and in high humidity environments. LIMITATIONS: Always test foil or paper facings for acceptable adhesion before using. Outdoor horizontal surfaces must always drain completely. A pitch of at least 1/4" per foot (2 cm/m) is required. 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.

POWER EXTRUSION

VAPOR-SAFE WHITE DUCT CLOSURE MASTIC may be applied using a wide variety of power (pressure) extrusion equipment suitable for use with water-base sealants. It is a soft buttery gel with a typical viscosity range of 80,000-100,000 cps. Corrosion resistant pumps and fittings are suggested.

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 mineral spirits (flammable).



CUSTOMER SERVICE—800-231-9541 OR 800-338-2975

IMPORTANT: Specialty Construction Brands, 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 industrial use only. Keep out of reach of children.
Consult Material Safety Data Sheet and container label for further information.**