



PROPERTIES

COLOR:

30-90 White; 30-91 Gray

APPLICATION CONSISTENCY:

Trowel or glove

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

11.5 pounds (1.38 Kg/l)

AVERAGE NON-VOLATILE (ASTM D 2369):

59% by volume (71% by weight)

COVERAGE RANGE:

(Subject to the nature of material being coated). Wet coverages shown below are for smooth non-porous surfaces. Porous or rough surfaces will require higher gallonage to attain required dry thickness. 4-6 gallons per 100 square feet.

6 gal: (2.4 l/m²) .096 in. wet thickness (2.4 mm)

4 gal: (1.6 l/m²) .064 in. wet thickness (1.6 mm)

DRYING TIME 73°F (23°C) 50% RH

To Touch: 4 hours

Through: 24 hours

SERVICE TEMPERATURE LIMITS:

(Temperature at coated surface) Minus 20°F to 180°F
(-29°C to 82°C)

WATER VAPOR PERMEANCE (TYPICAL AVERAGE):

ASTM E 96, Procedure A,

0.05 perms (0.03 metric perms) at 47 mils dft (1.2 mm).

0.03 perms (0.02 metric perms) at 73 mils dft (1.9mm)

ASTM F 1249: 0.08 perms (0.05 metric perms) at 37 mils dft
(0.94 mm). Tested at 100°F (38°C) and 90% RH

WET FLAMMABILITY:

Flash point: None to boiling, 212°F (100°C).

SURFACE BURNING CHARACTERISTICS

(ASTM E 84):

Flame Spread: 15

Smoke Developed: 30

Tested at coverage rate of 25 sq. ft./gal. (0.61 m²/l) in a 4" strip.

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 VAPOR-SAFE® MASTIC

FOSTER VAPOR-SAFE MASTIC is a high solids water based, fire resistive, flexible vapor barrier finish for most types of thermal insulation, including polystyrene foam. It may be used over dry concrete and finishing cement.

VAPOR-SAFE MASTIC is non-flammable when wet and has a mild latex "paint type" odor. It is designed for heavy duty/industrial use over insulation on pipes, vessels, ducts, and equipment operating below ambient temperatures. It may also be used indoors.

VAPOR-SAFE MASTIC has the water resistance and low water vapor permeance normally found only in solvent based products. It can be used in high humidity environments, and greatly retards water vapor permeation.

VAPOR-SAFE MASTIC is ideal for vapor sealing ASJ, FRK, and FSK jackets and board facings at joints, laps and over staple and weld pin punctures. It is an excellent duct board closure sealant. Do not exceed 1/8" (3.2 mm) wet film thickness.

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

VAPOR-SAFE MASTIC meets requirements for LEED 2009 IEQ 4.2 Low-Emitting Materials, Paints and Coatings. VOC: 36 g/l, less water and exempt solvents.

VAPOR-SAFE MASTIC meets the requirements of Military Specification MIL-PRF-19565C, Type II using method ASTM E 96 Procedure A permeance and is QPD listed.

VAPOR SAFE COATING meets the permeance requirements of ASTM C 755 for below ambient vapor retarder coatings.

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 8-12 hours drying time above 50°F (10°C), with a relative humidity of 50%. Higher humidity and/or lower temperature may retard drying.

Always select Vapor-Safe Mastic in the white color for use over Polystyrene on outdoor installations.

Always test foil and paper facings for acceptable adhesion before using.

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

After outdoor exposure 30-90 may weather to an off-white color.

H.B. Fuller Construction Products Inc.

APPLICATION GUIDE FOR FOSTER VAPOR-SAFE® MASTIC 30-90

MATERIAL PREPARATION

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

APPLICATION

To prevent water vapor and moisture infiltration, proper and complete flashing is required. Follow flashing specifications.

HEAVY DUTY/INDUSTRIAL OUTDOOR

1. Apply a tack coat of Foster Vapor-Safe Mastic (color as selected) at 2 gallons per 100 square feet (0.8 l/m²).
2. Embed Foster MAST-A-FAB white membrane into the wet tack coat. Smooth membrane to avoid wrinkles and overlap all seams at least two inches (5 cm). Apply finish coat of Vapor-Safe Mastic, within 1/2 hour after the tack coat application, at 4 gallons 100 square feet (1.6 l/m²).
3. This application shall provide a minimum dry film thickness of 57 mils (1.4 mm).

Over cellular glass insulation, increase the coverage to 7 gallons per 100 square feet (2.9 l/m²).

INDOOR AND LIGHT DUTY OUTDOOR

Apply as above except that the finish coat shall be 2 gallons per 100 square feet (0.8 l/m²) and the minimum dry film thickness shall be 37 mils (0.9 mm).

TROWEL OR GLOVE

Use clean steel trowel. Apply each coat in full thickness before initial set. Avoid excessive troweling.

CLEAN-UP

Use fresh water to clean brushes and equipment before product dries. Dry product may be removed with hot soapy water (with ammonia added) 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.**