



PROPERTIES

COLOR:

60-70: White

APPLICATION CONSISTENCY:

Trowel or glove

AVERAGE WEIGHT / U.S. GALLON (ASTM D1475):

9.1 to 9.3 lbs. (1.09 to 1.14 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

60% by weight (~48% by volume calculated)

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.

6 gal./100 sq. ft. (2.5 l/m²) 0.10 inch (2.5 mm) wet film thickness. Equivalent dry thickness of 0.048 inch (1.2 mm).

DRYING TIME:

Set to Touch: 5 Hours

Dry Through: 48 Hours

SERVICE TEMPERATURE LIMITS:

Temperature at coated surface.

-40°F to 200°F (-40°C to 93°C)

WATER VAPOR PERMEANCE (TYPICAL AVERAGE):

Tested with reinforcing mesh.

ASTM E96, PROCEDURE A: 0.02 perms (0.013 metric perms) at 48 mils dry (1.2 mm).

VAPOLAR® MASTIC meets the permeance requirements of ASTM C755-19 for below ambient vapor retarder coatings.

WET FLAMMABILITY (ASTM D93):

Flash Point: 105°F (40°C)

SURFACE BURNING CHARACTERISTICS (ASTM E84):

Flame Spread: 20

Smoke Developed: 120

Tested at coverage rate of 25 sq. ft./gal. (0.61 m²/l). 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.

Meets Class A requirements for exterior applications with flame spread ≤25 and smoke developed rating ≤450

FOSTER® VAPOLAR™ MASTIC

FOSTER® VAPOLAR™ MASTIC is a flexible, fire-resistive, coating for protection of outdoor thermal insulation. It is based on halogen free binders and creates an excellent monolithic vapor retarder for low temperature insulation on tanks, pipework, ductwork, vessels, and fittings.

VAPOLAR™ MASTIC provides outstanding protection and durability in a tough finish when applied with embedded reinforcing mesh to resist punctures and cracking from thermal cycling through a wide temperature range.

VAPOLAR™ MASTIC trowels easily and smoothly without drag or excessive stringing. It features higher volume solids than some other vapor retarder mastics, reducing the number of gallons that need to be applied to achieve specified dry film thicknesses and a low permeance vapor retarder coat.

VAPOLAR™ MASTIC is compatible with most industrial insulations* including cellular glass, polyisocyanurate (PIR), polyurethane, phenolic, faced and unfaced mineral wool and fiberglass, rubber foam and aerogel types.

VAPOLAR™ MASTIC has been tested for fire resistivity by ASTM E84 and is resistant to surface flame spread.

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.

Ensure proper flashing around protrusions and terminations to maintain vapor retarder protection throughout the system

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

***Do not use over plastic insulations susceptible to solvent attack such polystyrene**

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H. B. Fuller Construction Products Inc.

1105 South Frontenac Street • Aurora, IL 60504 • 800-832-9002 • fax 800-952-2368

APPLICATION GUIDE FOR FOSTER® VAPOLAR™ MASTIC 60-70

MATERIAL PREPARATION

Stir well. DO NOT THIN. Apply only to clean, dry surfaces. Keep container closed when not in use to prevent solvent evaporation.

APPLICATION

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

Apply a tack coat of VAPOLAR™ Mastic at a thickness of 1/32 inch (0.8 mm). This is equivalent to 2 gal./100 sq. ft. (0.8 l/m²). Embed open mesh reinforcement* into wet tack coat. Smooth mesh to avoid wrinkles and overlap all seams at least 2 inches (5 cm). Apply a finish coat of VAPOLAR® Mastic at a minimum thickness of 1/16 inch (1.6 mm). This is equivalent to 4 gal./100 sq. ft. (1.6 l/m²). This finish coat may be applied immediately or once the tack coat is set but within 24 -48 hours. The mesh must be smoothed before the tack coat sets to avoid wrinkles. This application shall provide a minimum dry film thickness of 45 mils (1.1 mm).

On rough or porous insulation surfaces additional product will be required to achieve the full surface dry film thickness. The application rate may need to be increased by up to 20% or more to achieve minimum film thicknesses. User shall determine required material based on specific substrates and application methods.

TROWEL:

Use clean tools. Work in long, even strokes to ensure uniform thickness. Keep tools clean and prevent a buildup of dried mastic on the trowel surface. Use of mineral spirits to create a wet edge may help create a smooth finish coat.

*Foster® MAST-A-FAB® synthetic 9 x 8 open mesh or Chil-Glas #10 fiberglass 10 x 10 open mesh are suggested for reinforcement with Vapolar™ Mastic.

CLEAN UP

Use xylol (flammable) or mineral spirits (combustible) for cleaning equipment. Dried VAPOLAR™ Mastic is extremely difficult to remove.

INSPECTION

Where available, it is suggested to use a National Insulation Association (NIA) certified (or other similarly certified) mechanical insulation inspector throughout the project to inspect and verify the materials and total insulation system have been installed correctly in accordance with the specifications.

CUSTOMER SERVICE: (800) 832-9002

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