



MONOLAR[®] Mastic

60-90/60-91

Product Data Sheet

PROPERTIES

COLOR:

60-90: White
60-91: Gray

APPLICATION CONSISTENCY:

Trowel or glove

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

10.4 to 10.8 lbs. (1.25 to 1.30 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

42% by volume (60% 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.

5 gal./100 sq. ft. (2.0 l/m²) 0.080 inch (2.0) mm wet film thickness. Equivalent dry thickness of 0.034 inch (0.8 mm).

7 gal./100 sq. ft. (2.8 l/m²) 0.11 inch (2.8 mm) wet film thickness for cryogenic service. Equivalent dry thickness of 0.046 inch (1.2 mm).

DRYING TIME:

Set to Touch: 5 Hours
Dry Through: 48 Hours

SERVICE TEMPERATURE LIMITS:

Temperature at coated surface.
-50°F to 220°F (-46°C to 104°C)

WATER VAPOR PERMEANCE (TYPICAL AVERAGE):

Tested with reinforcing mesh.

ASTM E96, PROCEDURE A: 0.03 perms (0.02 metric perms) at 48 mils dry (1.2 mm).

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

WET FLAMMABILITY (ASTM D3278):

Flash Point: 107°F (42°C)

SURFACE BURNING CHARACTERISTICS (ASTM E84):

Flame Spread: 10

Smoke Developed: 15

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.

FOSTER[®] MONOLAR[®] MASTIC



FOSTER[®] MONOLAR[®] MASTIC is a tough, flexible, fire-resistive, elastomeric finish for protection of outdoor thermal insulation. It contains chlorosulfonated polyethylene rubber (formerly known as Hypalon^{®*}). It is an excellent vapor retarder for low temperature insulation on tanks, pipework, ductwork, vessels and fittings.

MONOLAR[®] MASTIC provides outstanding weather barrier protection, showing good color retention, excellent chemical resistance and durability.

MONOLAR[®] 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.

MONOLAR[®] MASTIC is produced under the classification and follow-up service of Underwriter's Laboratories, Inc.

LIMITATIONS

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

For best results, select ELASTOLAR[®] 95-44 for insulation joint sealing under MONOLAR[®] MASTIC.

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

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

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

Select MONOLAR[®] COATING 60-95 (white) or 60-96 (gray) for airless spray or brush application.

*Chlorosulfonated polyethylene rubber is also known as Hypalon[®], a trademark of Dupont Performance Elastomers, and is no longer produced by Dupont.

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H. B. Fuller Construction Products Inc.

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APPLICATION GUIDE FOR FOSTER® MONOLAR® MASTIC 60-90/60-91

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.

NORMAL SERVICE:

Apply a tack coat of MONOLAR® 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 Foster® MAST-A-FAB® White Membrane into wet tack coat. Smooth membrane to avoid wrinkles and overlap all seams at least 2 inches (5 cm). Apply a finish coat of MONOLAR® Mastic at a minimum thickness of 3/64 inch (1.2 mm). This is equivalent to 3 gal./100 sq. ft. (1.2 l/m²). This finish coat shall be applied no later than 2 hours after the tack coat and shall completely cover the membrane. This application shall provide a minimum dry film thickness of 33 mils (0.8 mm).

SEVERE AND CRYOGENIC SERVICE:

Increase the tack coat coverage to 3 gal./100 sq. ft. (1.2 l/m²) and the finish coat to 4 gal./100 sq. ft. (1.6 l/m²). Allow the tack coat to set up before applying the finish coat on vertical surfaces. This application shall provide a minimum dry film thickness of 46 mils (1.2 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. Wet tool with detergent foam (not soap) occasionally to prevent a buildup of dried mastic.

RUBBER GLOVE:


Best appearance may be achieved by smoothing wet MONOLAR® Mastic with detergent foam (not soap) on a clean glove or brush, being careful not to pick up any MONOLAR® Mastic onto the glove or brush.

CLEAN UP

Use xylol (flammable) or chlorinated solvent (non-flammable) for cleaning equipment. Dried MONOLAR® 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.

	GENERAL PURPOSE COATING SURFACE BURNING CHARACTERISTICS	
	Applied to ¼" Inorganic Reinforced Cement Board	
	Flame Spread:	10
	Smoke Developed:	15
	Rate per Coat (sq. ft./gal.):	25
	Number of Coats:	1
	Flash Point of Liquid Coating (Closed Cup):	125°F
282U		

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 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.**