



MONOLAR® II Mastic

60-38/60-39

Product Data Sheet

PROPERTIES

COLOR:

60-38: White

60-39: Gray

APPLICATION CONSISTENCY:

Trowel or rubber glove

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

8.8 to 9.3 lbs. (1.05 to 1.11 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):

30% by volume (43% by weight)

COVERAGE RANGE:

Subject to the nature of surface 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. (2.4 l/m²) 0.096 in. wet film thickness (2.4 mm). Equivalent dry film thickness of 0.030 in. (0.8 mm).

9 gal./100 sq. ft. (3.6 l/m²) for cryogenic applications. Equivalent dry film thickness of 0.045 in. (1.1 mm).

DRYING TIME 73°F (23°C) 50% RH:

Set to Touch: 3 Hours

Dry Through: 48 Hours

SERVICE TEMPERATURE LIMITS:

Temperature at coated surface.

-40°F to 250°F (-40°C to 121°C)

WATER VAPOR PERMEANCE (TYPICAL AVERAGE):

Tested with reinforcing mesh.

ASTM E96, PROCEDURE A: 0.02 perms
(0.015 metric perms) at 54 mils dry (1.3 mm).

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

WET FLAMMABILITY (ASTM D3278):

Flash Point: 104°F (40°C)

SURFACE BURNING CHARACTERISTICS (ASTM E84):

Flame Spread: 20

Smoke Developed: 10 – 40

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® II MASTIC



FOSTER® MONOLAR® II MASTIC based on chlorosulfonated polyethylene rubber (formerly known as Hypalon®) is a tough, flexible, fire-resistive, elastomeric finish for protection of thermal insulation. It is also used as a vapor retarder finish for fittings. It is excellent for outdoor use where good color retention, chemical resistance and durability are required.

MONOLAR® II MASTIC provides outstanding weather barrier and vapor retarder protection for most board stock thermal insulations except polystyrene. It normally bonds well to aluminum foil facings, but a test application is recommended to confirm adhesion.

MONOLAR® II 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 or FLEXTRA® 95-50 for insulation joint sealing under MONOLAR® II 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 inch per foot (4 cm/m) is required.

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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APPLICATION GUIDE FOR FOSTER® MONOLAR® II MASTIC 60-38/60-39

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® II 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® or CHIL-GLAS® #10 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® II 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 shall be applied no later than 2 hours after the tack coat and shall completely cover membrane. This application shall provide a minimum dry film thickness of 30 mils (0.7 mm).

SEVERE AND CRYOGENIC SERVICE:

After the first two coats have dried, apply an additional coat of MONOLAR® II Mastic at a thickness of 3/64 inch (1.2 mm). This is equivalent to 3 gal./100 sq. ft. (1.2 l/m²). This additional application shall provide a minimum dry film thickness of 44 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.

TROWEL:

Use clean tools. Work in long, even strokes to ensure uniform thickness. Wet tools with detergent foam (not soap) occasionally to prevent a buildup of dried mastic.

RUBBER GLOVE:


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

CLEAN UP

Use xylol (flammable) or chlorinated solvent (non-flammable) for cleaning equipment. Dried MONOLAR® II 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 1/4" Inorganic Reinforced Cement Board		
Flame Spread:		20
Smoke Developed:		10 – 40
Rate per Coat (sq. ft./gal.):		25
Number of Coats:		1
Flash Point of Liquid Coating (Closed Cup):		101°F
282U		

CUSTOMER SERVICE: (833) 849-3700

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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 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.