



60-38/39 Foster Monolar II Mastic

Colour

60-38 White
60-39 Grey

Application Consistency

Trowel or rubber glove

Average Weight/ U.S. Gallon (ASTM D 1475)

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

Average Non-Volatile (ASTM by Actual Test)

30% by volume, 43% by weight

Coverage Range (FSTM 72)

(Subject to the nature of material coated.) Wet coverages shown below are for smooth non-porous surfaces. Porous or rough surfaces will require higher volume to attain required dry thickness.

Dry Thickness:

0.030 in. (0.8 mm)

Equivalent Wet Coverage:

0.096 in. (2.4 mm) 6 gal./100 sq. ft. (2.4 l/m²)

Drying Time 73°F (23°C) 50% RH (ASTM D 1640)

Set to Touch: 3 hours
Dry Through: 48 hours

Service Temperature Limits (FSTM 70)

(Temperature at coated surface.)
Minus 40°F to 250°F (-40°C to 121°C)

Water Vapour Permeance

ASTM E 96, Method A 0.025 perms (0.016 metric perms) at 30 mils dry (0.76 mm) ASTM E 398, 0.08 perms (0.05 metric perms) at 30 mils dry (0.76 mm). ASTM E 96, Procedure E 0.011 perms (0.007 metric perms) at 50 mils dry (1.27 mm)

Wet Flammability (ASTM D 3278)

Flash point 110°F (43°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 ¼ 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 based on DuPont Hypalon* is a tough, flexible, fire-resistive elastomeric finish for protection of thermal insulation. It is also used as a vapour barrier finish for fittings. It is excellent for outdoor use where good colour retention, chemical resistance and durability are required.

Monolar II Mastic provides outstanding weather barrier and vapour barrier protection for most board stock thermal insulations except polystyrene. It normally bonds well to aluminium 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. **Monolar II Mastic** meets NFPA 90A and 90B 25/50 requirements.

Monolar II Mastic contains no asbestos, lead, mercury, or mercury compounds.

Limitations

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

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

Outdoor horizontal surfaces must always drain completely. A pitch of at least ¼ inch per foot (2 cm/m) is required.

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

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* Trademark of E.I. DuPont Co.

FSTM: Foster Standard Test Method



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

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® 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 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 30 mils (0.8 mm).

Severe and Cryogenic Service – After the first two coats have set, 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 45 mils (1.1 mm). To prevent water vapour and moisture infiltration, properly flash all penetrations.

Trowel

Use clean tools. Work in long even strokes to insure uniform thickness. Wet tool with detergent foam (not soap) occasionally to prevent a build up 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 on glove or brush.

Clean Up

Use xylol (flammable) or chlorinated solvent (non-flammable) for cleaning equipment. (Dried-up MONOLAR II Mastic is extremely difficult to remove.)

Data Reproduced From Underwriters' Laboratories, Inc. Building Materials Directory Coating, General Purpose H.B. Fuller Company

Surface Burning Characteristics

Surface	¼ inch (6.4 mm) Inorganic Reinforced Cement Board
Flame Spread	20
Smoke Developed	10-40
Number of Coats	1
Rate Per Coat (sq. ft. per gal.)	25

For industrial use only.

This data sheet is based on specifications, data and test results available to us at the time of publication.

In the course of time changes herein may (have) take(n) place. No guarantee as to completeness, accuracy or results is either expressed or implied. The suitability to an intended use is the responsibility of the user. As material-choice, method of application and site conditions are beyond our control, we accept no liability for direct or consequential damages; our only obligation being to resupply ex our stores any material that is proved to be defective within the published* shelf life.

* If not applicable, within 6 months from date of supply.