



60-90/91 Foster Monolar[®] Mastic

Colour

60-90 Cream-White
60-91 Grey

Application Consistency

Trowel or glove

Average Weight (ASTM D 1475)

1.20 to 1.25 kg/l

Average Non-Volatile (ASTM D 1644)

42% by volume (60% 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:

0.034 inch (0.9 mm)

Equivalent Wet Coverage:

0.080 inch (2.0 mm) 5 gal/100 sq. ft.
(2.0 l/m²)

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

Set to Touch : 5 hours

Dry Touch : 48 hours

Service Temperature Limits (FSTM 70)

(Temperature at coated surface)

Minus 50°F to 220°F (-46°C to 104°C)

Water Vapour Permeance

ASTM E 96, Method E, 0.024 perms (0.016 metric perms) at 51 mils dry (1.3 mm)

ASTM F-1249, 0.03 perms (0.02 metric perms) at 30 mils dry (0.76 mm) (Tested at 100°F (38°C) and 90% relative humidity differential)

Wet Flammability (ASTM D 3278)

Flash point 110°F (43°C)

Surface Burning Characteristics (ASTM E 84)

Flame Spread : 10

Smoke Developed : 15

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 Mastic based on chlorosulfonated polyethylene rubber (formerly known as Hypalon*) is a tough, flexible, and fire-resistive elastomeric finish for protection of outdoor thermal insulation. It's an excellent vapour barrier for low temperature insulation on tanks, pipework, vessels and fittings.

Monolar Mastic provides outstanding weather barrier protection, showing good colour retention, excellent chemical resistance, and durability.

Monolar Mastic trowels easily and smoothly without drag or excessive stringing. It features higher than average volume solids, reducing the number of gallons that need to be applied.

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 ½" per foot (4 cm/m) is recommended.

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

Select Monolar Coating 60-95 (white) or 60-96 (grey) for airless spray or brush application.

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* CSPE Rubber is also known as Hypalon®, a trademark of Dupont Performance Elastomers and is no longer produced by Dupont.

FSTM: Foster Standard Test Method



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 vapour 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 membrane. This application shall provide a minimum dry film thickness of 34 mils (0.9 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 51 mils (1.3 mm).

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 Mastic with detergent foam (not soap) on clean glove or brush, being careful not to pick up any MONOLAR Mastic on glove or brush.

Clean-Up

Use white spirit or xylol (flammable) for cleaning equipment. Dried MONOLAR Mastic is extremely difficult to remove.

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. The above tests were carried out in accordance with the above mentioned internal test standards and are indicative. 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.