



PROPERTIES

COLOR:

60-95 White

60-96 Gray

Other colors available on special order.

APPLICATION CONSISTENCY:

Airless spray or brush

AVERAGE WEIGHT / U.S. GALLON (ASTM D 1475):

9.5 to 9.9 lbs. (1.14 to 1.19 kg/l)

AVERAGE NON-VOLATILE (ASTM D 1644):

33% by volume (46% 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 gallonage to attain required dry thickness.

Dry Thickness: 0.032 inch (0.8 mm)

Equivalent Wet Coverage: 0.096 inch (2.4 mm)

6 gal./100 sq. ft. (2.4 l/m²)

DRYING TIME (ASTM D 1640):

Set to Touch: 3-4 hours

Dry Through: 24 hours

SERVICE TEMPERATURE LIMITS (FSTM 70):

(Temperature at coated surface)

-50°F to 220°F (-46°C to 104°C)

WATER VAPOR PERMEANCE:

ASTM E 96, Method E, 0.025 perms

(0.016 metric perms) at 51 mils dry (1.3mm)

ASTM E-96 Procedure A, 0.018 perms (0.012 metric perms) at 26 mils (0.66mm) dry

ASTM F 1249, 0.05 perms (0.033 metric perms) at 30 mils dry (0.8mm). Tested at 100°F (38°C) and 90% RH.

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 1/4 inch (6.4mm) inorganic reinforced cement board. The flame spread may vary at different product thicknesses and/or when applied over other surfaces.

Visit us on the web at www.fosterproducts.com

FOSTER® MONOLAR® COATING



FOSTER MONOLAR Coating 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 barrier for low temperature insulation on tanks, pipework, vessels, ductwork, and fittings.

MONOLAR Coating provides outstanding weather barrier protection, showing good color retention, excellent chemical resistance, and durability. It has excellent resistance to UV and sunlight.

MONOLAR Coating provides outstanding weather barrier and vapor barrier protection for sprayed polyurethane foam in outdoor locations. It is a one-component, high film strength product, usually applied in two coats with standard airless spray equipment. It sprays easily and cleanly with a minimum of cobwebbing.

MONOLAR Coating is an ideal finish for flexible cellular insulation tubing and sheets. Apply by brush in two coats.

MONOLAR Coating is produced under the classification and follow-up service of Underwriter's Laboratories, Inc.

MONOLAR Coating meets NFPA 90A and 90B 25/50 requirements.

MONOLAR Coating contains no asbestos, lead, mercury, or mercury compounds.

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 coating.

Always test plastic materials for compatibility when using a solvent base 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 Mastic 60-90 (white) or 60-91 (gray) for trowel or glove application.

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

H.B. Fuller Construction Products Inc.

APPLICATION GUIDE FOR FOSTER® MONOLAR® COATING 60-95/60-96

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® Coating at a thickness of 1/32 inch (0.8mm). 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 Coating at a minimum thickness of 1/16 inch (1.6mm). 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 32 mils (0.8mm).

Severe and Cryogenic Service:

After the first two coats have set, 24 hours minimum or until dry, apply an additional coat of MONOLAR Coating 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 48 mils (1.2mm).

Application - Sprayed Polyurethane Foam

Sprayed Polyurethane Foam may be primed with Foster 40-26 Waterbase Primer prior to the application of MONOLAR Coating to improve adhesion. Many Sprayed Polyurethane Foam systems are different; end user should always perform an adhesion test to ensure that the adhesion of MONOLAR Coating and primer system with the foam insulation is sufficient.

Spray:


MONOLAR Coating may be airless spray applied. For spray equipment information, please consult Foster's Airless Spray Recommendations or contact your airless spray equipment supplier. Average viscosity range: 10,000-30,000 cps.

Brush:

Use a good brush, making strokes as long as possible over the surface. Multiple coats may be needed to achieve the minimum dry film thickness. Do not overwork. Best appearance may be achieved by smoothing wet MONOLAR Coating with a clean brush dampened with detergent (not soap) foam, being careful not to pick up any MONOLAR on the brush.

CLEAN-UP

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

	GENERAL PURPOSE COATING	
	SURFACE BURNING CHARACTERISTICS	
Applied to ¼" Inorganic Reinforced Cement Board		
Flame Spread:		10
Smoke Developed:		15
Rate per Coat (Sq.ft./gallon):		25
Number of Coats		1
Flash point of liquid coating (closed cup):		125° F
		282U

CUSTOMER SERVICE—800-832-9002

IMPORTANT: H.B. Fuller Construction Products Inc. warrants that each of its products will be manufactured in accordance with the specifications in effect on the date of manufacture. WE MAKE NO OTHER WARRANTIES AND EXPRESSLY DISCLAIM ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. OUR ACCEPTANCE OF ANY ORDERS FOR THE PRODUCT IS EXPRESSLY CONDITIONAL UPON PURCHASER'S ASSENT TO THE TERMS ON THE APPLICABLE INVOICE.

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.

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