MONOLAR® Coating 60-95/60-96

Product Data Sheet

PROPERTIES

COLOR:
60-95: White
60-96: Gray

APPLICATION CONSISTENCY:
Airless spray or brush

AVERAGE WEIGHT / U.S. GALLON (ASTM D1475):
9.5 to 9.9 lbs. (1.14 to 1.19 kg/l)

AVERAGE NON-VOLATILE (ASTM D2369):
29% by volume (46% by weight)

COVERAGE RANGE:
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.

6 gal./100 sq. ft. (2.4 l/m^2) 0.096 inch (2.4 mm) wet film thickness. Equivalent dry thickness of 0.028 inch (0.7 mm).

DRYING TIME:
Set to Touch: 3 – 4 Hours
Dry Through: 24 Hours

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

WATER VAPOR PERMEANCE (TYPICAL AVERAGE):

ASTM E96, PROCEDURE A: 0.03 perms (0.02 metric perms) at 45 mils (1.1mm DFT)

ASTM F1249: 0.05 perms (0.033 metric perms) at 45 mils dry (1.1 mm). Tested at 100°F (38°C) and 90% RH.

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

WET FLAMMABILITY (ASTM D3278):
Flash Point: 103°F (39°C)

SURFACE BURNING CHARACTERISTICS (ASTM E84):
Flame Spread: 10
Smoke Developed: 15
Tested at coverage rate of 25 sq. ft./gal. (0.61 m^2/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 retarder 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 retarder 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.

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-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® 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.

6107 Industrial Way ○ Houston, TX 77011 ○ 833-849-3700

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 (0.8 mm). This is equivalent to 2 gal./100 sq. ft. (0.8 l/m^2). 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 (1.6 mm). This is equivalent to 4 gal./100 sq. ft. (1.6 l/m^2). 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 29 mils (0.7 mm).

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/m^2). This additional application shall provide a minimum dry film thickness of 42 mils (1.05 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.

ON SPRAYED POLYURETHANE FOAM:
Many sprayed polyurethane foam systems are different; end user should always perform an adhesion test to ensure that the adhesion of MONOLAR® Coating to the foam insulation to be used is sufficient. If adhesion is not sufficient the sprayed polyurethane foam may need to be primed prior to the application of MONOLAR® Coating to improve adhesion. See FC-1T Guide Specification.

SPRAY:
MONOLAR® Coating may be airless spray applied. For spray equipment information, please consult 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.

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: (833) 849-3700

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 MERCHANTIBILITY 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 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.