

FOAMCo

Coated Architectural Foam Shapes

Guide Specifications

PART I GENERAL

A. DESCRIPTION & SCOPE

1. Provide all labor, material and equipment necessary to install FOAMCo pre-coated shapes
2. Related work specified elsewhere
 - a. Finishes, div. 9
 - b. Lath and Plastering, div. 9
3. Description of systems
 - a. Coated Expanded Polystyrene (EPS) Shapes: Base-coated shapes ready for finishing, consist of a polymer-modified cementitious coating (recommended with reinforcing mesh) over a closed cell, resilient, lightweight foam with a minimum standard density of one pound cubic foot to be produced by FOAMCo.
 - b. Reinforcing Mesh: A fiberglass mesh used to strengthen the base coat. To be produced by FOAMCo.
 - c. Base Coat and/or Adhesive: To be produced by FOAMCo or approved by FOAMCo.
4. Products
 - a. Faux Beams
 - b. Moldings
 - c. Columns
 - d. Shutters
 - e. Custom Architectural Details
 - f. Theme Props
5. Finishes
 - a. Interior Smooth
 - b. Wood Grain
 - c. Concrete Coatings
 - d. Limestone
 - e. Stucco-Ready
 - f. Custom Finishes

Our handcrafted product is made from natural minerals that can vary in color and texture. This variation adds a natural appearance to the product. Sample should not be used to represent an exact match for the material supplied on a given project. Changes in shape and contour of parts, use of natural and/or synthetic pigments and materials may create variations over larger and/or more detailed surfaces.

NOTE: Variations may occur within a single part and over a run of several parts.

PART II PRODUCTS

A. GENERAL

1. All components of FOAMCo shapes shall be obtained from FOAMCo or its authorized distributors. NO SUBSTITUTIONS OR ADDITIONS of other material shall be permitted without prior written permission from FOAMCo.

B. MATERIAL

1. Coated Expanded Polystyrene (EPS) Shapes
 - a. Shall be coated with polymer-modified cementitious, acrylic based primer.
 - b. Foam shapes shall be produced by FOAMCo.
 - c. Shall meet current specifications of molded expanded polystyrene shapes.
 - d. Minimum nominal density shall be available in 1#, 2# and 3# density.
2. Reinforcing Mesh Netting
 - a. Shall be produced by FOAMCo or a manufacturer approved by FOAMCo
 - b. Shall be treated, open weave or glass fiber type
 - c. Available in 2oz & 4oz
3. Base Coat and/or Adhesive
 - a. Based on your application, cementitious or base coat and/or adhesive, or acrylic primer to approved substrate.

PART III EXECUTION

A. INSPECTION

1. Examination of Substrate
 - a. The substrate surface shall be free of foreign materials such as oils, dust, dirt, form release agents, paint, wax, glaze, moisture, frost, etc.
 - b. The substrate shall be examined for compliance.
 - c. The substrate shall be examined for soundness, such as tightness of connections, crumbling or looseness of surface, voids and projections. It is the General Contractor's responsibility to make sure the substrate is flat, straight and ready to receive FOAMCo details.
2. The Architect and General Contractor shall be advised of all discrepancies. Work shall not proceed until unsatisfactory conditions are corrected.

B. INSTALLATION

1. FOAMCo shapes are pre-coated under factory-controlled conditions.
2. EPS Foam to Brown Coat
 - a. Primer should be mixed to a heavy-bodied, paste like consistency.
 - b. Cover both the surfaces of the shapes and the brown coat completely where the shape will join the brown coat.
 - c. Press shape into position on the brown coat. Generally, the adhesive to the substrate will be sufficient to hold the shape in place. On larger shapes, use fasteners or ledgers to prevent the shape from sliding until the adhesive sets up. Do not penetrate paper. Countersink and fill holes with primer adhesive.
 - d. Plaster-Ready Product: mix additional primer to more flowable consistency (suitable for brush or float applications) and apply to shape at all joints with the brown coat and contiguous shapes. Two (2) inch fiberglass mesh to be used over joints.
 - e. Plaster-Ready Product: Primer must be applied to all joints. Mesh tape all joints.
3. EPS Foam to EPS
 - a. It is recommended that all joints be coated with Adhesive Primer and 2 inch mesh to prevent cracking.
4. EPS Foam to Drywall
 - a. Clean surface
 - b. Use PL Premium for adhering materials to a smooth and level surface. Apply ¼" continuous zigzag bead of adhesive within 2" of each other. Temporary blocking or fasteners may be needed until adhesive sets. (PL Premium Construction Adhesive is available at FOAMCo or local building supply outlet).
 - c. Interior Product: Use PL Premium to apply to substrate same as above.
5. EPS Foam to Wood or Plastic
 - a. Clean surface
 - b. Use PL Premium for applying material to smooth and level surfaces. Apply ¼" continuous zigzag bead of adhesive within 2 inches of each other for plastic or wood. Temporary blocking or fasteners may be needed until adhesive sets. (PL Premium Construction Adhesive is available at FOAMCo or local building supply outlet).
6. EPS Foam
 - a. For larger shapes and details, mechanical fasteners or ledgers may be needed. Fasteners to be approved by FOAMCo

PART III CLASSIFICATIONS

A. FIRE HAZARD CLASSIFICATION

1. UL Procedure 723, ASTM E84-9, ANSI/NFPA No. 225, and UBE No. 8-1 Testing Accreditation. UL Listing R5817 & R5212.

B. BUILDING CODES CITED:

1. National Fire Protection Association, ANSI/NFPA No. 101 "Life Safety Code", 2006 Edition.
2. International Building Code, 2006 Edition, Chapter 8, Interior Finishes, Section 803.

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