

**Coated Architectural foam Shapes
Guide Specifications**

PART I GENERAL

DESCRIPTION & SCOPE

1. Provide all labor, material and equipment necessary to install Architectural Foam Supply coated shapes.
2. Related work specified elsewhere
 - a. Finishes
 - b. Lath and Plastering
3. Description of Systems
 - a. Coated Expanded Polystyrene (EPS) Shapes: Base-Coated, paint ready and textured shapes consisting of a polymer-modified cementitious coating (recommended with reinforcing mesh) over a closed cell, resilient, lightweight formed plastic with a minimum standard density of one pound cubic foot to be produced by Architectural Foam Supply.
 - b. Reinforcing Mesh: A fiberglass mesh used to strengthen the base coat. To be approved by Architectural Foam Supply.
 - c. Base-Coat and/or Adhesive: To be produced or approved by Architectural Foam Supply.
 - d. Interior smooth, exterior base & mesh and textured finishes: To be produced or approved by Architectural Foam Supply.

PART II PRODUCTS

A. GENERAL

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

MATERIAL

4. Provide all labor, material and equipment necessary to install Architectural Foam Supply coated shapes.
 - a. Shall be coated with polymer-modified cementations base-coat or gypsum based coatings depending on your application.
 - b. Foam shapes shall be produced by Architectural Foam Supply.
 - c. Shall meet current specifications of molded expanded polystyrene shapes.
 - d. Minimum nominal density shall be available in 1#, 1½#, and 2# density.
5. Reinforcing Mesh
 - a. Shall be produced or approved by Architectural Foam Supply.
 - b. Shall be treated, open weave glass fiber type.
 - c. Available in standard 4 oz.
6. Base Coat and/or Adhesive
 - a. Based on your application, cementitious or gypsum base-coat and/or adhesive, or acrylic primer to approved substrate. (approved by AFS)

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 with contrast documents.
 - 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 Architectural Foam Supply 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. Architectural Foam Supply shapes are pre-coated and/or finished under factory controlled conditions.
2. EPS Foam to Brown Coat
 - a. Adhesive should be mixed to a heavy-bodied, paste like consistency.
 - b. Cover the entire back side of the shape with adhesive where the shape will join the substrate.
 - c. Press shape into position on the substrate. Generally the adhesive to the substrate will be sufficient to hold the shape in place. On larger shapes, use temporary fasteners to prevent the shape from sliding until the adhesive is dry. Remove temporary fasteners and fill holes with adhesive or sealant.
 - d. Plaster-Ready Product: base-coat and mesh must be applied to all joints. Exterior Paint-Ready, Product: apply to substrate same as above. Pre-finished pieces: Joints to be filled with backer rod and proper sealant.
3. EPS foam to EPS
 - a. It is recommended that all joints be coated with approved adhesive base-coat and mesh to prevent cracking.
4. EPS foam to Drywall
 - a. Clean surface
 - b. Use ennerfoam or 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 dries. (ennerfoam & PL Premium Construction adhesive is available at Architectural Foam Supply or your local building supply).
 - c. Interior Paint Ready Product: Use ennerfoam, PL Premium to apply to substrate same as above or using a 3/8" notched trowel, spread approved base-coat on back of the entire shape detail.
 - d. Interior Paint Ready Product: It is recommended that all joints be kept tight and coated with approved adhesive. Drywall compound can be applied on top and lightly sanded smooth.
5. EPS foam to Wood or Plastic
 - a. Clean Surface
 - b. Use ennerfoam or 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 dries. (Ennerfoam and PL Premium construction Adhesive is available at Architectural Foam Supply).

6. EPS foam
 - a. For larger shapes and details, permanent mechanical fasteners may be needed. Fasteners to be approved in writing by Architectural Foam Supply.
7. Cutting
 - a. Wait a minimum of 24 hours before further work on the surface of bonded components in order to avoid any movement, which would weaken the bond between the components.

FINISH COAT

1. Exterior Paint Finish
 - a. Per paint manufacturer's specifications
 - b. Conventional water-based paint may be applied after 48 hours of curing.
2. Acrylic Finish
 - a. for other exterior finishes (EIFS) - to be approved by Architectural Foam Supply
 - b. Per acrylic manufacturer's specifications.
 - c. Surface must be completely dry for minimum 48 hours.

CLEAN UP

7. Material left over by the sub contractor at the job site shall be removed by sub-contractor
8. The sub-contractor shall clean adjacent materials and surfaces and the work area of foreign material resulting from the work.