EIFS and other Coated Foam

The popularity of EIFS (Exterior Insulation and Finish System) applications and EPS (Expanded Polystyrene) foam elements has grown significantly. ArcusStonecoat™ has been used for years as the finish coat on EPS foam, and has more recently been applied as the finish coat over existing EIFS, with certain limitations and requirements.

EIFS

ArcusStone Finishes can be applied as the finish over EIFS foam, mesh, and basecoat, with the following requirements:

IMPORTANT! Do not apply ArcusStone coatings over any type of EIFS finish coat, including acrylic, elastomeric and urethane

- EIFS foam board shall be installed in accordance with manufacturer's installation instructions and the ArcusStone Architectural Specifications.
- Provide expansion and control joints as required by the EIFS manufacturer and the ArcusStone Architectural Specifications.
- The basecoat shall be an acrylic polymer modified fiber reinforced cementitious mix, with alkali-resistant 4 oz/sq yd, or heavier, reinforcing mesh imbedded per EIFS manufacturer's installation instructions and ArcusStone Architectural Specifications.
- Basecoat to be "stippled" by placing a green sponge float against it and pulling off, creating a rougher surface profile to gain additional tooth to adhere the ArcusStone Finish.
- Basecoat must be clean and free of surface contaminants that may interfere with a good bond, including any efflorescence.
- Apply additional detail mesh with bonder over any cracks in the basecoat prior to application of ArcusBond™.
- Apply a generous and uniform coating of ArcusBond re-emulsifying bonder, using a spray, brush or roller, onto the basecoat per published instructions for vertical applications. Randomly broadcast (throw) 30 mesh sand or equivalent onto wet bonder.

Note! Please review the Climatic / Environment Precautions Section for further details and information.

EPS Coated Foam

On Site Coating – Used Primarily for Commercial applications

- Raw EPS foam, with a back-wrap of mesh in place, is adhesively and sometimes mechanically attached to the substrate in 8 to 10 foot long pieces, and then the base coat and mesh are field-applied.
- The ArcusStone® material is then screeded over the foam, finished to specifications for texture and grout lines, and sealed if required. Sealing is strongly recommended for all applications and is required for all horizontal surfaces.
- The ArcusStone® finish can be applied to the foam shapes before installation, but on long, continuous runs of cornice or wainscot molding, it may be more efficient to screed-apply the ArcusStone® material to the foam shapes after they have been fastened to the structure.

Pre Coated Pieces – Used Primarily for Residential or Commercial applications

- The ArcusStonecoat™ finish is, in most instances, pre-applied to the individual pieces of EPS foam that usually have a base coat and mesh (applied either by the applicator or by the foam supplier).
- The pieces are then installed on the substrate using a mastic or adhesive that is approved for this type of application. Larger, heavier pieces require mechanical fastening as well as adhesive.
- Due to weight and ease of installation considerations, ArcusStone recommends that coated pieces not exceed 30 to 36 inches in overall length.

Installation Guidelines

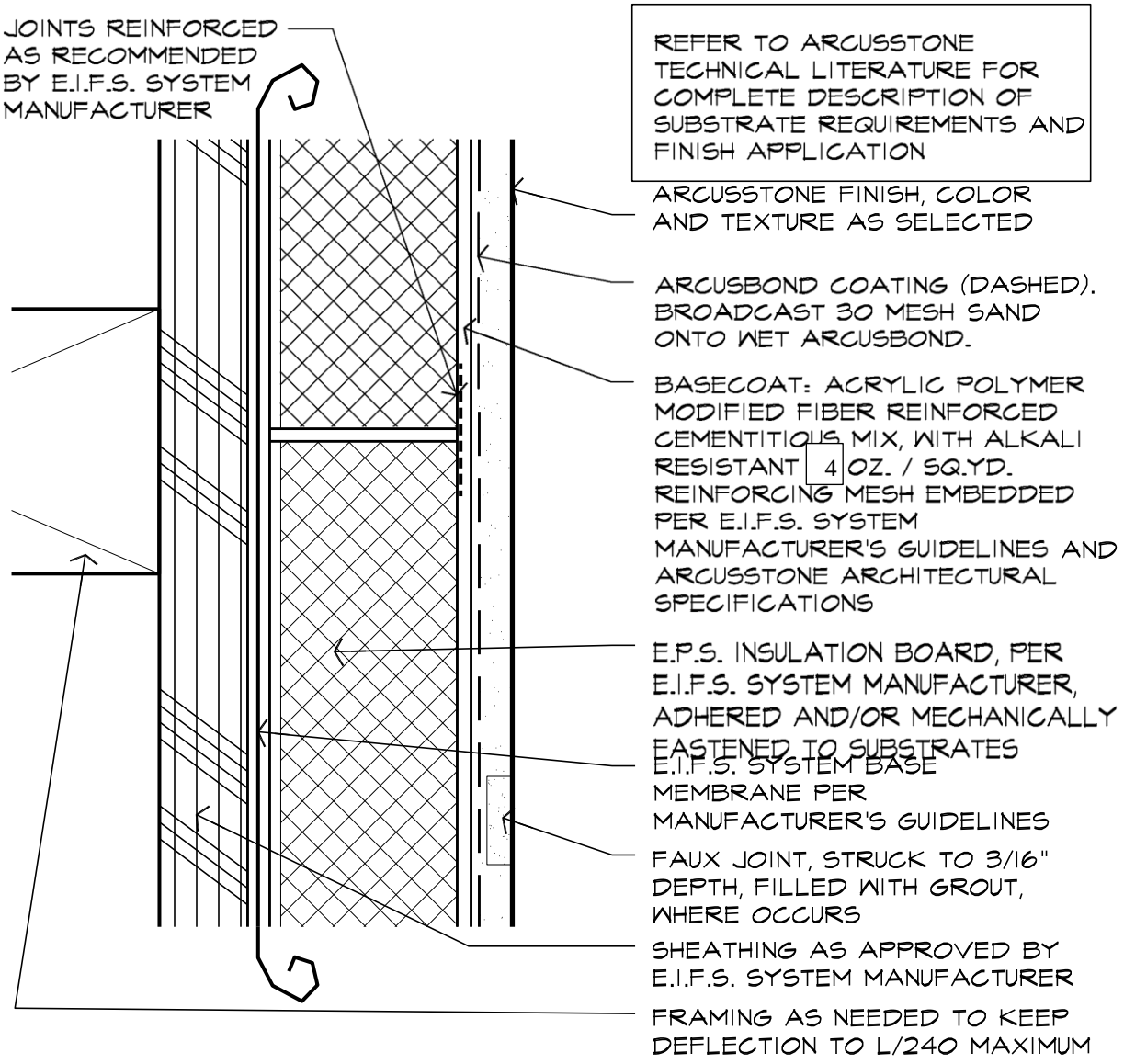
For smaller pieces that have been pre-coated with ArcusStone® finish:

- For pre-coated foam pieces, first lay out the individual pieces and field cut to length as necessary, especially when installing pieces at window sill, head, and casing. ArcusStone coated foam can easily be cut with a dry- cut diamond blade or masonry blade in a chop saw.
- Clean the back of the foam pieces with a damp sponge, and make sure the substrate is free of surface dust.
- Apply the foam mastic adhesive to the back of the piece in a 5-point dab arrangement – a dab at each corner and one in the middle, for smaller pieces. Larger, wider pieces would require complete coverage with a ¼" notched trowel, and possibly some form of mechanical attachment.

  Many foam mastics are available from a variety of manufacturers. Make sure you use one that is compatible for use with EPS foam and is approved for attaching to the particular substrate.
- Set the piece into position, level and plumb. Smaller pieces usually do not require mechanical fastening, but temporary bracing/taping may be required while the adhesive sets.
- Grout all joints and seal per specifications.

Other Considerations

Pre-forming and coating the left and right returns on sills, cornices etc., will produce a more realistic, cut- stone appearance than a miter-cut at the ends and corners



E.I.F.S and other Coated Foam

ArcusStone Substrate Preparation

Full Size

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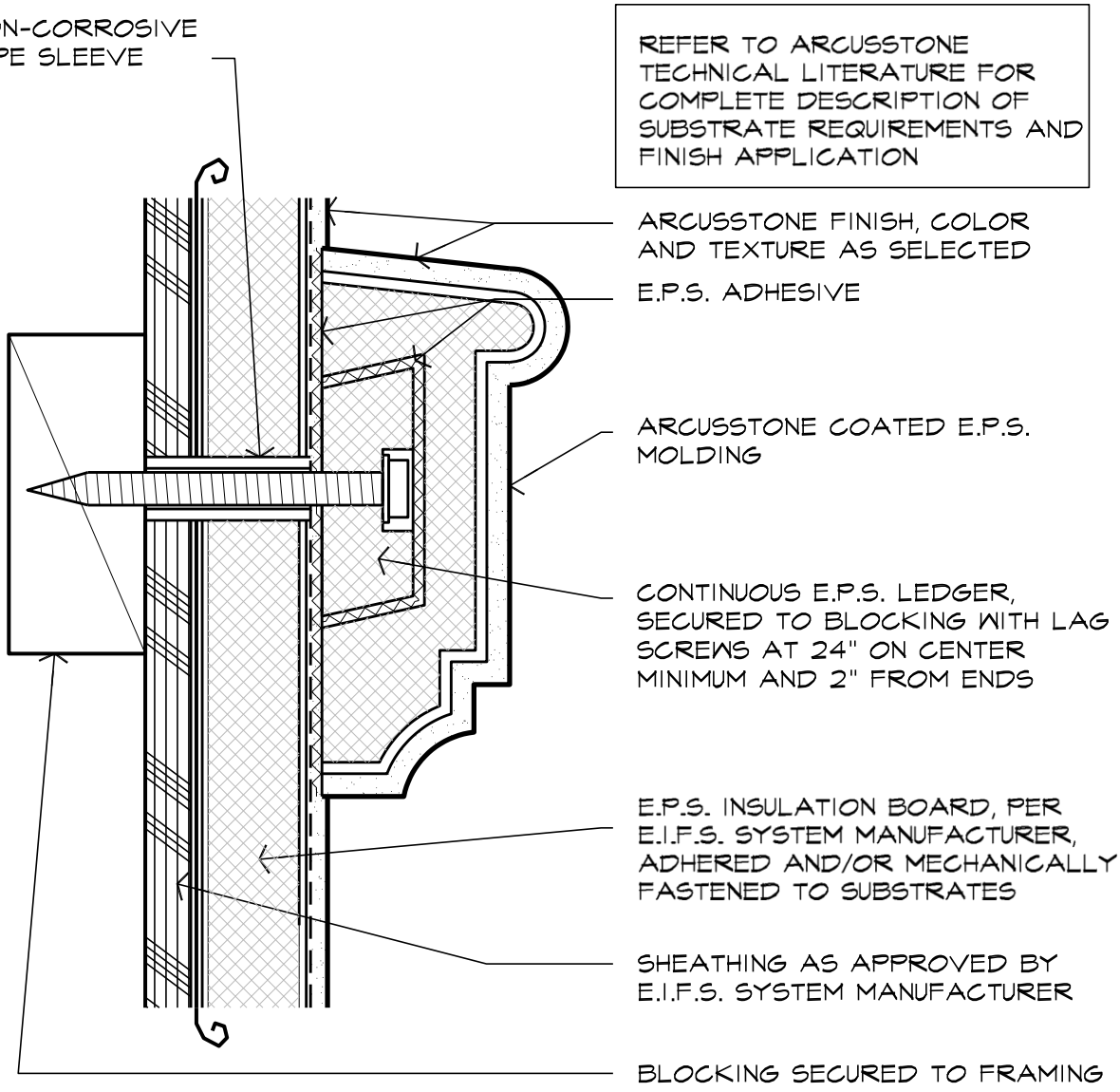
All substrates to be in compliance with local codes and regulations, substrate component manufacturer's requirements for installation, and ArcusStones' published guidelines.



Typical Molding Attachement at E.I.F.S.

ArcusStone Substrate Preparation 1/2 Full Size

All substrates to be in compliance with local codes and regulations, substrate component manufacturer's requirements for installation, and ArcusStones' published guidelines.