

# Concrete Masonry (CMU) and Brick

## Prepare Substrate

- x Inspect brick and masonry units for adhesion strength and re-secure as required.
- x Grout and mortar must be struck off flush with the face of the masonry.
- x Remove paint by mechanical abrasion using: bead blasting, sand blasting, rotary steel wire brushing using an angle grinder or other methods to effectively open the coating and produce a surface profile similar to 80 grit sand paper. Completely removing the paint is usually not required.
- x Pressure washing, operated at approximately 1200 psi with a flare tip, may be used where possible.
- x Clean all surfaces of any efflorescence, mold, scale, soot, dirt or any other surface contaminants that may interfere with a good bond. Rinse with clean water.

Refer to ArcusStone Architectural Specifications Section 1.4D for ASTM Standards for preparing these substrates for ArcusStone Finishes.

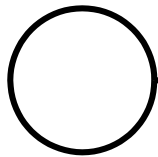
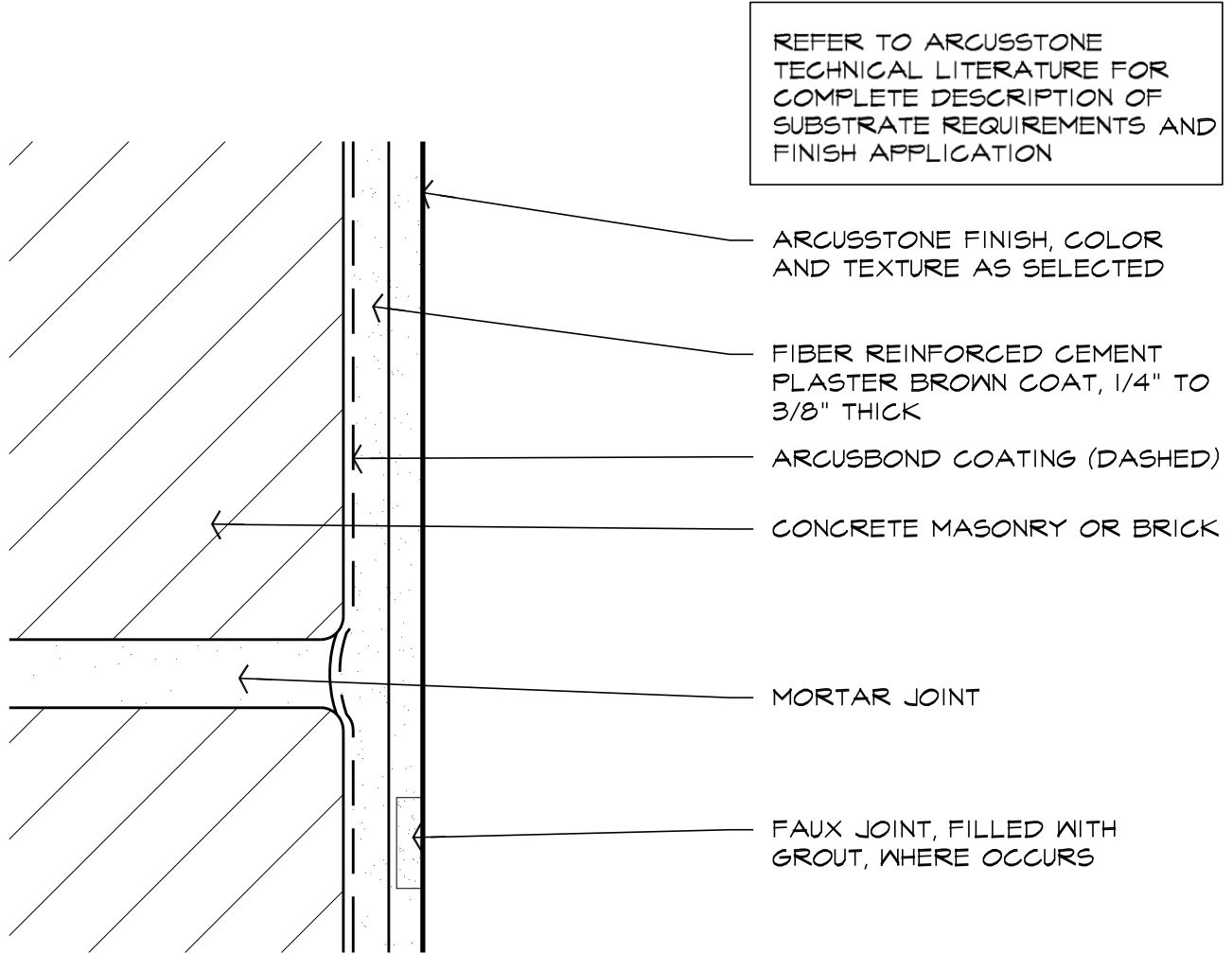
## Apply Basecoat

- x ArcusBond™ Using a roller, brush or sprayer, apply a generous and uniform coat of ArcusBond per manufacturer's application instructions. Let dry before applying brown coat.
- x Apply brown coat, an acrylic modified fiber reinforced brown coat, thick enough to keep grout joints from "telegraphing" through to the finish coat of ArcusStone, typically 1/4" to 3/8". Lightly scratch horizontally to create more tooth.
- x Allow to cure for 48 hours.
- x Repair any cracks in the brown coat using 6" wide detail mesh embedded in cementitious basecoat.
- x ArcusBond™ is NOT necessary for installation of ArcusStone materials over NEW Portland cement stucco brown coats. It is recommended, however, to: even out the suction; prevent "flashing" of the ArcusStone material due to rapid moisture loss; avoid unwanted color variations; and to aid in bonding the ArcusStone materials to the substrate.

## Waterproofing

- x Retaining walls, constructed of concrete masonry units (CMU) and brick, must have either a waterproofing material applied to the back side of the wall prior to any back-fill of earth against the wall, or applied to the face of the wall. If applied to the face, the material must be non-asphalt based and compatible with the ArcusStone finish.

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



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## 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.