

## POURED CONCRETE (HORIZONTAL)

**\*\* Important! The application procedure for this substrate varies substantially from the standard. ArcusBond™ should NOT be used on this substrate.**

Before proceeding with any ArcusStonecoat installations on horizontal concrete slab on grade, thoroughly review the ArcusStone “Specification for ArcusStonecoat over horizontal concrete slabs”.

### NEW CONSTRUCTION

- **Patios, Pool Decks, Interior Non-Structural Slabs, Other New Concrete**  
New concrete, not subject to vehicular or structural loads, shall be a minimum of 4” thick, reinforced with a minimum of 6”x6”x10 gauge welded wire mesh, and free of any cracks other than hairline shrinkage cracks.
- **Driveways, Garage Floors, Carport Slabs and Other New Concrete**  
New concrete, subject to vehicular or structural loads, shall be a minimum of 6” thick, with steel reinforcing bars as specified in the ArcusStone Products’ “Specification for ArcusStonecoat Over Horizontal Concrete Slabs”.
- **Cure poured concrete for a minimum of 28 days** at 75°F before application of any ArcusStonecoat overlay. Longer minimum cure times are required if concrete is not maintained at 75°F.
- **FINISH:** Do not smooth trowel - a broom finish or a similar finish that provides “tooth” for the ArcusStonecoat should be used.
- **Clean:** Using an appropriate cleaning agent, remove all efflorescence, mold, scale, soot, dirt or any other surface contaminants that may interfere with a good bond. Rinse with clean water.

### EXISTING CONSTRUCTION

*Caution – Unless the Applicator has either direct knowledge of the installation details of an existing poured concrete slab-on-grade that is being considered for ArcusStonecoat applications, or unless the Applicator can readily ascertain such details, it is advised to proceed with caution when determining if an ArcusStonecoat overlay should be recommended for an existing slab or pour.*

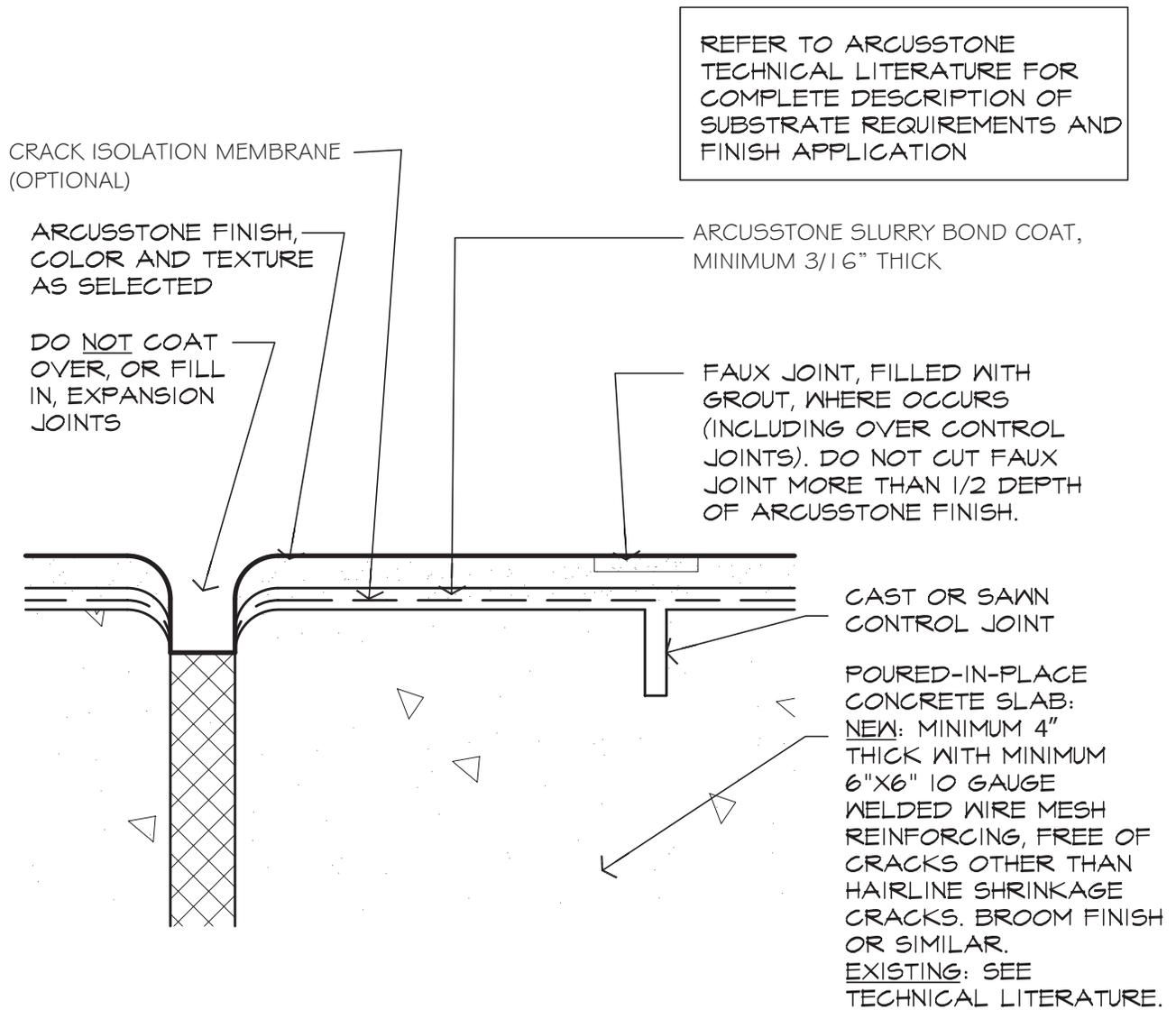
#### STANDARD BROOM FINISH

- **Existing concrete** should be stable and relatively level, with no uplifted or otherwise uneven sections. Any cracks should not be over 1/4” in width, nor be vertically displaced (uneven) more than 1/8” in the vertical dimension.
- **Fill in all cracks** with a hydraulic type concrete patching compound or similar product. Float out patching compound at any areas where there is uplift, as described above, to a zero edge profile. Alternately, grind uplifted side of crack so that it is even in height with the adjacent side and the surface is flat when inspected with a 5 foot straightedge placed across the repair area.
- **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 880 grit sand paper. Completely removing the paint is usually not required.
- **Pressure washing**, operated at approximately 1200 psi with a flare tip, may be used where possible.
- **Clean:** Using an appropriate cleaning agent, remove all efflorescence, mold, scale, soot, dirt or any other surface contaminants that may interfere with a good bond.
- **Etch** the surface with Muractic Acid or equivalent, neutralize and thoroughly rinse.

#### OTHER FINISHES

- **Steel trowel, salted finishes, and exposed or embedded aggregate surfaces** can be successfully coated with ArcusStone®, but there is considerably more surface preparation and cost involved. Contact an ArcusStone technical representative for additional recommendations.

**Note! Do not use the ArcusStonecoat to coat over, or fill in, any expansion joints.** If coating over a control joint, provide a coursing pattern (grout line) in the ArcusStonecoat, directly above this type of joint, or bridge the control joint with a crack isolation membrane prior to the ArcusStonecoat application. If these guidelines are not followed, the ArcusStone will probably develop cracks at these locations. In no event should you attempt to use ArcusStonecoat finish to cover expansion joints!



# ○ Poured Concrete (Horizontal)

ArcusStone Substrate Preparation

Full Size

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