

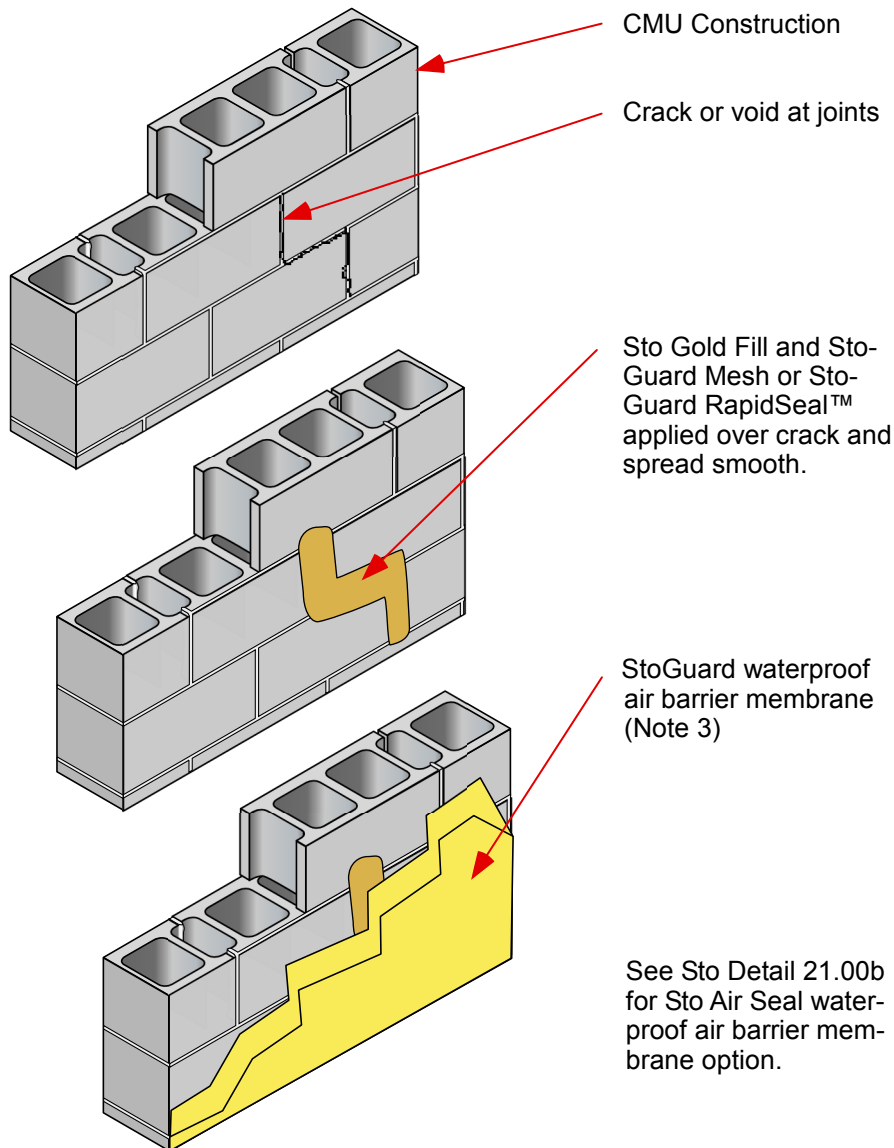
# StoGuard<sup>®</sup> Waterproof Air Barrier Masonry Construction

## Components and Surface Preparation: Option 1

Detail No.: 21.00a

Date: April 2012

### Sto Gold Coat<sup>®</sup>, Sto EmeraldCoat<sup>®</sup> or StoGuard<sup>®</sup> VaporSeal<sup>™</sup>



**IMPORTANT:** The number of coats and thickness of coating is highly dependent on CMU composition, unit weight (lightweight or normal weight), porosity, joint profile, and other variables that may exist. For irregular or "rough" CMU wall surfaces skim coat the entire wall surface with a Sto base coat, leveling or parging material to fill and level the surface prior to applying the waterproof air barrier membrane and transition materials. When a skim coat of the leveling material is to be applied only one coat of the waterproof air barrier membrane is typically required (refer to Sto Detail 21.00b). Use a site mock-up and site tests as the basis for the work.

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### Notes:

- 1] Prepare substrate by:
  - striking mortar joints flush
  - removing mortar droppings or other debris from surface
  - cleaning any dirt, efflorescence or other bond-inhibiting materials
  - repairing any cracks or damage to the wall surface.
- 2] Repair minor, up to 1/8-inch (3mm) nonstructural cracks with Sto Gold Fill<sup>®</sup> and StoGuard Mesh, or StoGuard RapidSeal<sup>™</sup>. Allow crack repair to dry before applying StoGuard waterproof air barrier.
- 3] StoGuard waterproof air barrier membrane options:
  - A) Sto Gold Coat<sup>®</sup> (vapor permeable)
  - B) Sto EmeraldCoat<sup>®</sup> (high perm)
  - C) StoGuard<sup>®</sup> VaporSeal<sup>™</sup> (low perm)
- 4] Apply Sto Gold Coat<sup>®</sup> or Sto EmeraldCoat<sup>®</sup> in two coats, minimum 30 wet mils per coat. All applications must be applied such that a void and pinhole free surface is achieved. Apply StoGuard VaporSeal minimum 40 wet mils in one or two coats depending on application method and conditions.
- 5] Refer to Sto specifications and product bulletins for detailed information on substrates and Sto material options.

**IMPORTANT:** Components not identified as Sto are furnished by other manufacturers and are not necessarily installed by trades who install the Sto products. Refer to project specific contract documents.

### Attention

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