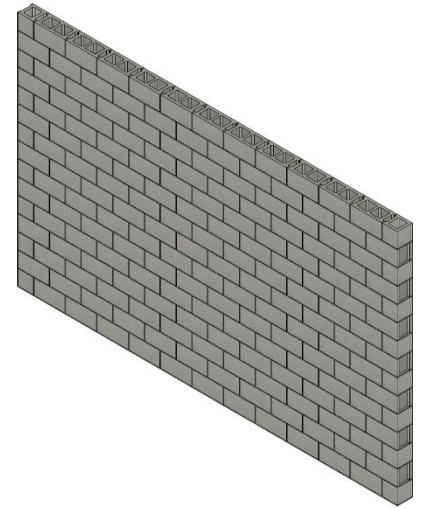


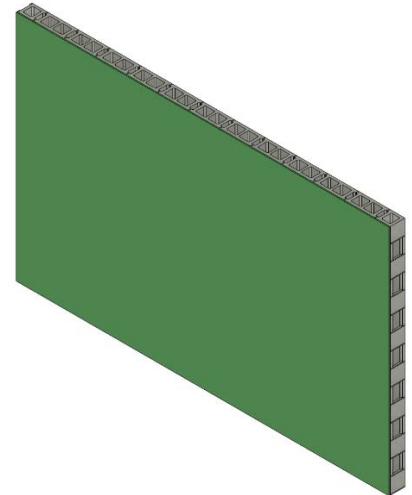
## Step 1: Inspect Concrete Walls

The substrate can be comprised of poured-in-place concrete or concrete block (CMU). Ensure these walls are plumb prior to installation. Ensure these substrates are free of dust, laitance, loose material, and any excess film or forming oils that could impeded bond prior to moving to the next steps. Deflection criteria for substrate should be L/600 (L/720 preferred).



## Step 2: Install Air & Water Barrier

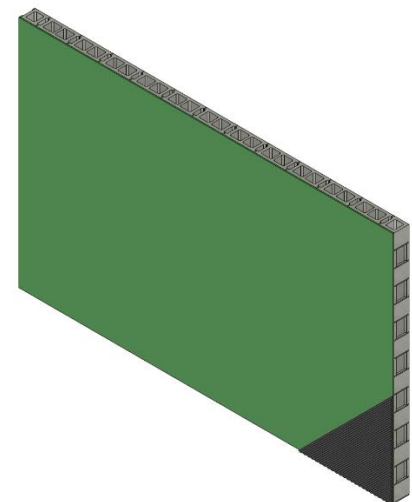
Apply two coats of Laticrete Air and Water Barrier (Vapor Retarder Material) over the entire surface of the wall. Follow manufacturer's instructions for proper application.



## Step 3: Adhered Veneer Substrate Preparation

Ensure Laticrete Air and Water Barrier (over concrete surface) are free of dust, laitance, loose material, and any excess film that could impeded bond. Using a notched trowel, spread Laticrete Bonding Mortar across Laticrete Air and Water Barrier/Concrete Block and ensuring to burn the mortar into the substrate surface. Pull notched side of the trowel across mortar to create a grooved surface and to gauge the mortar thickness. Notched trowel selection is dependent on the material being installed and the tolerances on the substrate. Apply only a workable area of mortar that will allow stone to be properly set before surface drying occurs. This area will vary depending on site environmental conditions.

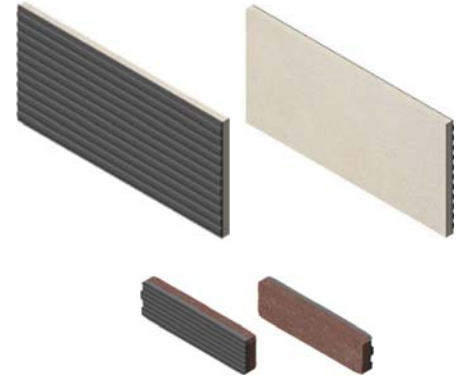
**NOTE: Do not substitute Laticrete Bonding Mortars with any other product or material unless Arriscraft Technical Services has been consulted.**



## Step 4: Prepare Thin Adhered Masonry Veneer

Clean unit backs of any dust, laitance, loose material and any excess film that could impede bond. With the point trowel “back-butter” the thin-adhered units with Laticrete Bonding Mortar (select appropriate bonding mortar for the application, refer to checklist below), ensuring to burn the mortar into the back of the units and filling any surface irregularities. Pull notched side of the trowel across mortar to create a grooved surface and to gauge the mortar thickness. Notched trowel selection is dependent on the material being installed and the tolerances of the substrate. Be sure to achieve 100% coverage with the mortar.

**NOTE: Do not substitute Laticrete Bonding Mortars with any other product or material unless Arriscraft Technical Services has been consulted.**



## Step 5: Install Thin Adhered Masonry Veneer

Begin with the corner pieces and bring the two still wet mortar surfaces together (back buttered units and mortar on the wall as this is in part what creates the incredible bond strengths). Press the corner piece onto the wall, rotating back and forth slightly. This process should force some of the mortar to “squeeze out” and work out any air gaps in the mortar. Remove any excess mortar with a square flat trowel and use the excess on the next piece of thin-adhered masonry.

After the corner pieces are installed, apply flat stretcher pieces starting at an outside corner unit and working your way in. Set the stretcher units by placing it on the ledger, steel flashing/panel support, or the units that were installed below. Once set on the wall push the unit into the mortar and up and at an angle and then return it back to the desired position. This process should force some of the mortar to “squeeze out” and work out any air gaps in the mortar. Remove any excess mortar with a square flat trowel and use the excess on the next unit. Remove excess mortar droppings from the veneer face with a clean wet sponge and a stiff fibre brush. Check for 100% mortar coverage by removing ten brick units, 4 ARRIS-tile, natural stone, or porcelain tile units, 8 manufactured stone units from the wall per bag of mortar used to check that no voids exist. Reinstall removed units.

Once the Laticrete Bonding Mortar has cured then use the Laticrete Pointing Mortar to point the joints between the individual units as required. Place pointing mortar into a grout bag or grout gun and squeeze the grout into the joints between the thin-adhered masonry units. Once the mortar is thumbprint hard, tool the joints to a concave or raked finish depending on the desired joint finish ensuring to push the mortar into the joint during this process to force the mortar against the adhered veneer units. Allow the wall to cure.



<b>Checklist for Placing a Face Sealed Order when Installing Adhered Veneer over CMU or Poured Concrete Substrates</b>			
	<b>Materials Required</b>	<b>Approximate Coverage/Size (if applicable)</b>	<b>Notes</b>
<input type="checkbox"/>	Laticrete Air and Water Barrier (an Air and Water Barrier that is a Vapor Retarder with a perm rating of 0.157)	250 sq. ft. with 2 coats for either option	
<input type="checkbox"/>	Thin Masonry Veneer Material (stretchers, corners, custom profiles)	Dependent on selected material	
<input type="checkbox"/>	Laticrete Bonding Mortar (select appropriate one): 1) Laticrete Hi-Bond Masonry Veneer Mortar for ARRIS-tile, Porcelain tile, ceramic tile natural stone tile, <b>or</b> 2) Laticrete Masonry Veneer Mortar for manufactured stone and thin natural building stone, <b>or</b> 3) Laticrete Thin-Brick Mortar for thin brick, Midtown, Coastal and Stack	25 sq. ft.  25 sq. ft.  25 sq. ft.	
<input type="checkbox"/>	Shims (to help with proper install and keep stone and joints level as material is installed and to maintain joint spacing): 1) 1/16" (100 per bag) 2) 1/8" (100 per bag) 3) 1/4" (100 per bag) 4) 3/8" (30 per bag)	Order shim thickness that is appropriate for the joint widths for the masonry material being installed. Exception to that rule, we recommend 1/16" and 1/8" shims be used with Stack and Midtown when installing them with tight joints.	
<input type="checkbox"/>	Laticrete Pointing Mortar to point the joints (if required)	Dependent on selected material	
<input type="checkbox"/>	Laticrete Latasil Silicone Sealant for sealing movement joints and joints around openings such as windows and doors, as well as penetrations like pipes and fittings etc... (don't forget the backer rod in the joint prior to installing the silicone)	Dependent on Joint width to be sealed	