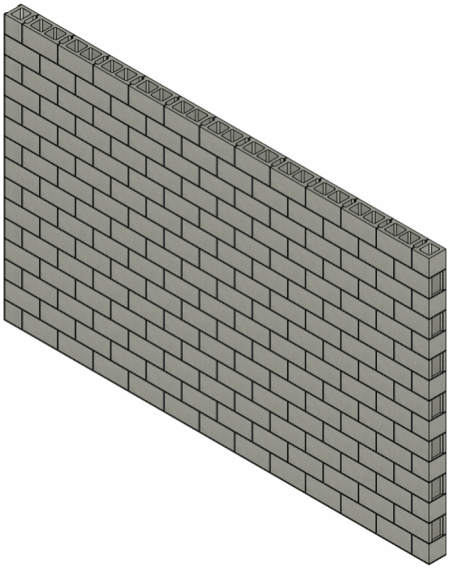
Arriscraft®

Thin-Clad Veneer Interior Installation Guide (CMU or Concrete Substrate)

Step 1: Inspect Concrete Walls

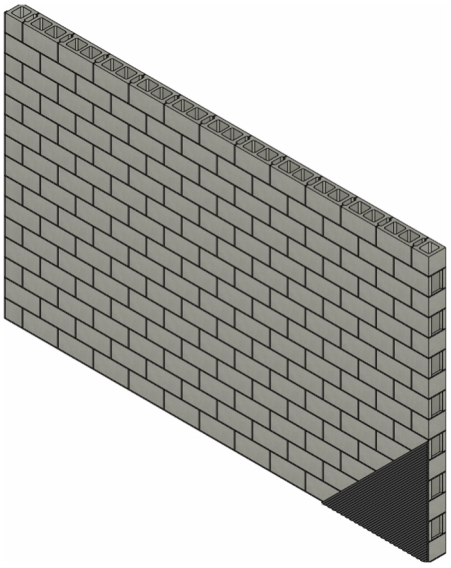
The substrate can be comprised of poured-in place concrete or concrete block (CMU). Ensure these walls are plumb prior to installation. Ensure these substrates are free of dust and debris. Deflection criteria for substrate should be L/600 (L/720 preferred).



Step 2: Adhered Veneer Substrate Preparation

Using a notched trowel, spread T.Clear Total Bond or Laticrete Bonding Mortar across substrate and ensuring to burn the mortar into the concrete surface. Pull the 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 substrate tolerances. Apply only a workable area of mortar that will allow stone/brick/masonry to be properly set before surface drying occurs. This area will vary depending on site environmental conditions.

NOTE: Do not substitute T.Clear Total Bond or Laticrete Bonding Mortars with any other products or materials unless Arriscraft Technical Services has been consulted.



Step 3: Prepare Thin Adhered Masonry Veneer

Clean unit backs of any dust, laitance, loose material and any excess film that could impede bond. “Back-butter” the thin-adhered units with T.Clear Total Bond or Laticrete Bonding Mortar, 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.

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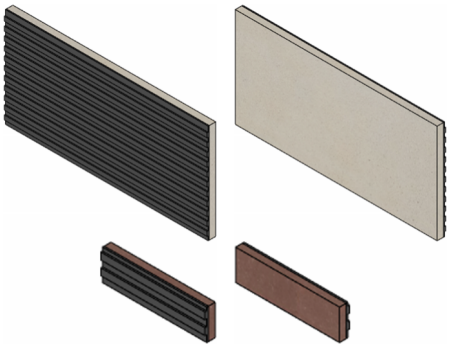
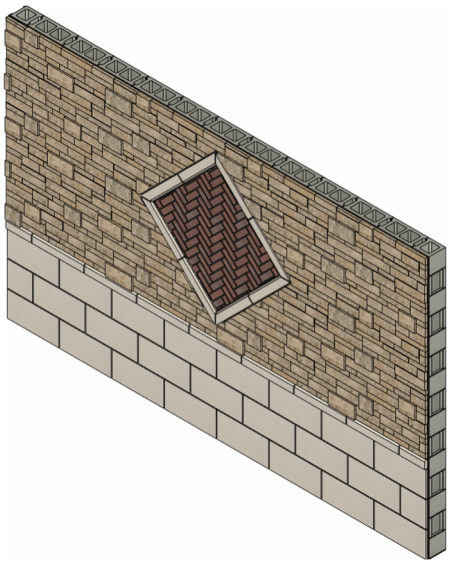


Step 4: Install Thin Adhered Masonry Veneer



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 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 bonding mortar has cured then use Laticrete Pointing Mortar or a Type "N" 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.

Checklist for Placing an Interior Thin-Clad Veneer Order

	Materials Required	Approximate Coverage/Size (if applicable)	Notes
☐	Thin Masonry Veneer Material (stretchers, corners, custom profiles)	Dependent on selected material	
☐	T.Clear Total Bond for all masonry options **or** Laticrete Bonding Mortar (select appropriate one): 1) Laticrete Hi-Bond Veneer Mortar for ARRIS-tile, Porcelain tile, ceramic tile, natural stone tile, **or** 2) Laticrete Masonry Veneer Mortar for manufactured stone and thin natural building stone, **or** 3) Laticrete Thin Brick Mortar for thin brick, Midtown, Coastal and stack	25 sq. ft. 25 sq. ft. 25 sq. ft. 25 sq. ft.	
☐	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" (20 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.	
☐	Laticrete Pointing Mortar **or** Type N mortar to point the joints (if required)	Dependent on selected material	
☐	Laticrete Latasil **or** Dowsil Silicone Sealant for sealing movement joints and joints around openings such as windows and doors, as well as penetrations like pipes and fittings etc…	Dependent on Joint width to be sealed	Don't forget backer rod in the joint prior to installing the silicone