

TECHNICAL BULLETIN

Resurfacing EIFS with Adhered Masonry Veneer

PRECONSTRUCTION QUALIFIERS

When resurfacing an existing EIFS system with SikaWall® MaxGrip Adhered Masonry Adhesive, it is important to understand that every project is unique. Prior to the start of the adhered masonry veneer installation, a third-party design professional must evaluate the existing EIFS and the underlying structure. We recommend at a minimum the following items be considered:

- Recommended maximum structural deflection of L/360 under positive or negative design loads.
- EIFS must be adhered with acrylic adhesive base coat – no spray polyurethane adhesive or EIFS that are only mechanically fastened.
- Qualify the underlying structure and EIFS are sound and able to sustain veneer weight (up to 15 lbs. sq. ft.)
- Ensure the existing EIFS bond meets 15 psi.
- Perform adhesion testing to ensure a positive bond of a minimum 15 psi is achieved between the Senergy Base Coat and existing finish coat.
- Provide proper repair to any unsound areas of EIFS or underlying structure.

We further recommend following the guidelines below in the application of adhered masonry veneer over an existing EIFS system:

- Honor all existing expansion joints through the new veneer.
- Take precautions to ensure any existing drainage points are not blocked by the application of new veneer.
- Ensure the Senergy materials are not installed below grade.
- Verify windowsill, parapet cap flashing and any other flashing design/interface will work as intended with the new veneer or rework these areas.
- Consider other design impacts of the new veneer with existing interfaces (windows, doors, corners, terminations, etc.).
- Ensure existing finish is dry, clean, sound (no blistering, peeling, delamination) and free of paint or other residue or coatings that may impede bond.

SENERGY MATERIALS REQUIRED FOR REFINISHING

- SikaWall Intermediate 12 reinforcing mesh.
- Alpha Base Coat or Alpha Dry Base Coat.
- SikaWall MaxGrip Veneer Adhesive.

APPLICATION

Base Coat/Reinforcing Mesh: Base coat shall be applied to achieve reinforcing mesh embedment with no reinforcing mesh color visible.

1. Apply mixed Senergy Base Coat to entire surface of the substrate with a stainless-steel trowel to provide a smooth level base for adhered veneer application.
2. Immediately place Intermediate 12 reinforcing mesh against wet base coat and embed the reinforcing mesh into the base coat by troweling from the center to the edges.
3. Lap reinforcing mesh 2-1/2" (64 mm) minimum at edges. Ensure reinforcing mesh is continuous at corners, void of wrinkles and embedded in base coat so that no reinforcing mesh color is visible.
4. If required, apply a second layer of base coat to achieve total reinforcing mesh embedment
5. Allow base coat with embedded reinforcing mesh to dry hard (normally 8 to 10 hours) prior to the installation of the adhered veneer

MaxGrip Veneer Adhesive– Adhered Veneer Mortar: Prior to installing the adhered veneer, apply selected Senergy Base Coat or MaxGrip Veneer Adhesive as a skim coat over dry reinforced base coat at approximately 1/6" (1.6 mm) thick. Apply to an area that can be covered with adhered veneer before the skim coat dries. Allow skim coat layer to set for 3–5 minutes, then proceed with adhering the selected veneer

Note: MaxGrip Veneer Adhesive shall be applied and veneer installed such that the MaxGrip Veneer Adhesive is free of voids. Allow MaxGrip Veneer Mortar to cure for 24-hours before applying pointing mortar.

1. **Thin Brick Veneer:** Spread MaxGrip Veneer Adhesive onto the back of bricks in a continuous layer nominally 3/16"–¼" (5–6 mm) thick and press bricks firmly into place on the substrate.
2. **Stone Veneer:** Apply MaxGrip Veneer Adhesive to the back of clean stone veneer in a continuous layer nominally ¼"–3/8" (6–9 mm) thick. Press firmly in place with a twisting movement until excess material exudes from the sides of the unit. Remove excess adhesive between units.
3. **Tile:** Installation should proceed in accordance with ANSI A 108.5 (the type and size of the tile will dictate adhesive application)

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TECHNICAL SUPPORT

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