

SHOWER WALL PANEL INSTALLATION

Adhesive

An adhesive such as Soudaseal FC is recommended for bonding solid surface sheets to wall substrates. Adhesive shall be applied to achieve a minimum 1/8-inch continuous bond line thickness after placement, providing uniform, continuous support across the full area of the sheet.

The use of an elastic silicone adhesive and the final thickness of the adhesive bond are critical to create an elastic connection between the solid surface sheet and the wall substrate, allowing for differential expansion and contraction. Adhesive bead size and spacing shall be selected to maintain the required minimum bond line thickness and continuous support.

Apply a perimeter bead of silicone approximately 1 inch in from the edges of the sheet and run continuous, evenly distributed beads or coils across the width of the sheet at 6 to 12 inches on center, as required to maintain the minimum adhesive thickness and continuous support. Point-load applications, including dabs, spots, shims, or localized build-ups, are not permitted.

Adhesive bead thickness and spacing are intended to accommodate material movement and curing requirements—not to correct wall flatness, framing irregularities, or out-of-plumb conditions. Wall substrates must meet specified flatness tolerances prior to installation.

All individual sheets must be handled by two people and carried on edge, with one hand supporting from below and one hand controlling from above. It is important to carry 1/4-inch sheets vertically, as horizontal handling may result in excessive flexing and breakage.

Figure 1
DuPont™ Surfaces Sealant for Corian®, DuPont™ Zodiac® and DuPont™ Wall Surfaces
Bondline Lap Shear Data Between DuPont™ Corian® and Gypsum Wallboard

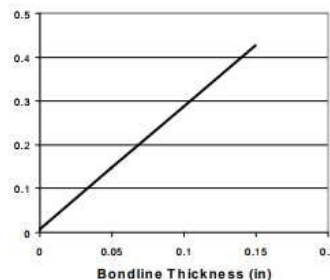
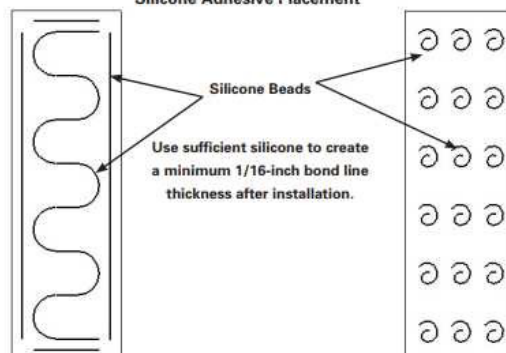


Figure 2
Silicone Adhesive Placement



WALL PANEL ADHESIVE, FIXTURE MOUNTING, AND PERFORMANCE REQUIREMENTS



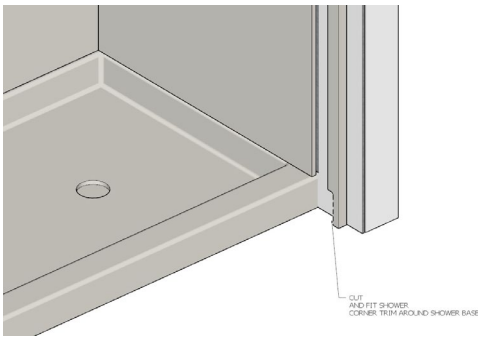
After installing shower wall panels per instructions, dry fit outside corner guard trim pieces. Kits include two (2) Futrus Halo Corner Guard Trim pieces.

Dry fit each piece to verify correct sizing and alignment. Trim pieces as required using carbide-tipped tooling. Depending on the application, trim pieces may require fitting around the shower base at the threshold.

Apply silicone adhesive to the trim using a continuous bead sufficient to maintain a minimum 1/16-inch bond line thickness after installation. Adhesive shall be applied continuously along the length of the trim to provide uniform support. Point-load applications, including dabs, spots, or localized build-ups, are not permitted.

Press trim firmly into place to achieve full contact and uniform adhesion. Remove excess adhesive and secure trim with masking tape until adhesive has cured per manufacturer recommendations.

Dry fit each piece to check for correct sizing and trim any pieces as needed using carbide tipped tooling. Depending on the application, the trim pieces may need fit around the shower base at the threshold.



Make all cuts from the finished side of the material and be sure to protect the surface with masking tape.

Lightly sand all cuts to remove any small chips from the cutting process. The surface should be smooth with no sharp edges.

Clean all trim pieces with denatured alcohol. Please check local codes for use of denatured alcohol and other solvents. This step is important to ensure proper adhesion between the solid surfaces trim and wall.

Apply silicone adhesive to the trim at a thickness greater than or equal to 1/16-inch using a continuous bead of silicone. Secure the trim using recommended color matched Bondaflex Sil 100 Series 100% RTV Silicone or similar.

Press the corner trim pieces firmly into place in all areas. Use a clean towel to wipe away and excess adhesive. Use masking tape to hold the trim in place until the silicone cures. Allow silicone to cure before use.

All trim joints shall be sealed flush to adjacent surfaces to allow for cleanability.

Wall substrates must meet industry flatness tolerances prior to installation, as required for solid surface applications. Adhesives shall not be used to compensate for excessive out-of-plumb or out-of-plane conditions.

WALL PANEL ADHESIVE, FIXTURE MOUNTING, AND PERFORMANCE REQUIREMENTS



ADHESIVE APPLICATION INTENT: Adhesives used for Futrus wall panels are applied in distributed, continuous beads or coils to allow curing and differential movement. Adhesive shall be applied to provide uniform support and to maintain the required minimum bond line thickness after installation. Point-load applications, including dabs, spots, or localized build-ups, are not permitted.

MOUNTING FIXTURES ON TOP OF SHOWER WALL PANELS:

Where fixtures are mounted over Futrus solid surface shower wall panels, installation sequencing shall allow elastic silicone adhesive or sealant placed behind the panels at fixture locations to fully cure prior to fixture attachment. A minimum cure period of 24 hours shall be observed to ensure the silicone functions as a compressible, movement-accommodating interface and moisture barrier, not as a structural attachment.

SHOWER SEATS AND ADA HANDRAILS:

Shower seats, grab bars, and other load-bearing accessories are not supported by wall panel adhesion and shall not rely on wall panels for structural capacity. These elements require verified, continuous structural backing and mechanical attachment directly into framing or approved structural support, sized, configured, and installed to meet the load, fastening, and performance requirements of the specified hardware.

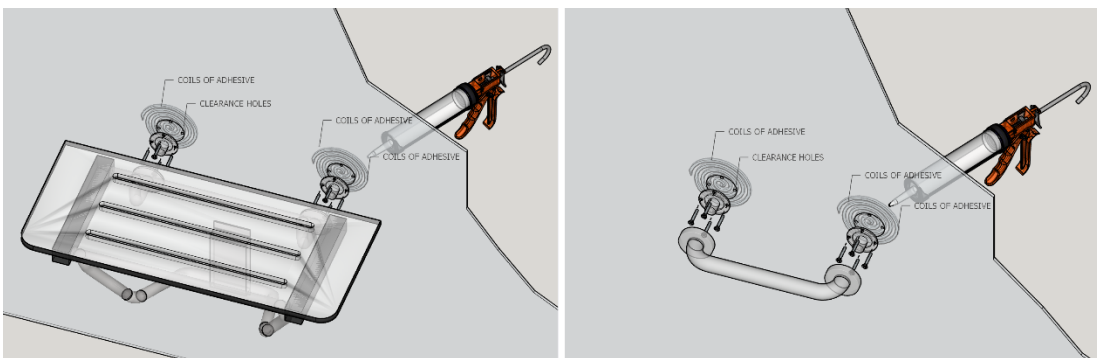
WALL PANEL PENETRATIONS AND MOVEMENT ACCOMMODATION:

Where such accessories penetrate solid surface wall panels, the wall panels shall function as a finish and movement-accommodating layer only. Penetrations through wall panels shall be detailed to avoid clamping, compressive loading, or point loading of the panel. Clearance holes through the panel shall be oversized relative to fasteners to allow independent movement between the fixture and the panel.

ELASTIC INTERFACE AND MOISTURE MANAGEMENT:

Elastic silicone adhesive or sealant may be used behind the panel at fixture locations in distributed beads or coils (e.g., around each fastener/penetration and at the fixture bearing/contact areas) to provide a compressible interface, accommodate differential movement, and prevent moisture intrusion. Adhesive and sealant in these locations are supplemental only and shall not be relied upon for load-bearing support.

Figure 1: Typical distributed bead/coil layout at shower seat or grab bar mounting illustration



SUBSTRATE CONDITIONS AND INSTALLATION PREREQUISITES:

Examine substrates and site conditions for compliance with installation tolerances, substrate flatness, plumb, backing, and other conditions affecting performance of the Work. Flooring/walls shall be level and shall not vary more than 1/8 inch in 12 feet. Do not proceed with installation until unsatisfactory conditions have been corrected. Where field conditions do not meet substrate flatness, plumb, or backing requirements, installation shall not proceed until conditions are corrected.

WALL PANEL ADHESIVE, FIXTURE MOUNTING, AND PERFORMANCE REQUIREMENTS



Greater clearances may be provided at the installer's discretion for maneuverability, provided that wall panels are not clamped, wedged, or restrained and that the minimum and maximum adhesive bond-line thicknesses are maintained.

Wall flatness, plumbness, and alignment shall be corrected prior to installation by framing adjustment, furring, shimming of substrates, or other approved construction methods. Adhesives are not intended to correct substrate irregularities and shall not be relied upon for that purpose.

NONCONFORMING CONDITIONS AND WARRANTY:

Installation performed under nonconforming conditions shall void the manufacturer's warranty.