CRANE Composites

INSTALLATION GUIDELINES FOR NOBLE® SHEET GLASS SIDEWALLS

The following guidelines represent RV industry standard installation practices for “free-hanging” exterior sidewall panels:

1. String a line on the exterior of the frame studs from end-to-end to ensure straight walls. Straighten any studs that are out of alignment.

2. If using aluminum or steel studs, grind down any large bumps. Lightly scuffing the studs with the grinder will improve the glue bond. (The glue manufacturer will have preparation requirements for their glue system)

3. Wipe all studs (aluminum or steel) with a 99% alcohol solution.

4. Wipe all studs with an adhesive prep solution as recommended by your adhesive manufacturer (Example: Sika Corporation makes a prep solution specifically for their Sikaflex® adhesive).

5. Cover all studs with Sikaflex 221 or a similar adhesive. You may stop coverage a few inches from the edges where screws will be applied.

6. If a hoist is not available to lift sheet glass on the wall and hold until screwing panel to wall, then use a screw block on the lower edge of unit. Set wall on blocks without touching the adhesive. Slide into position, and then push the remainder of panel onto the wall frame.

7. Screw across the top of the panel beginning in the center and screwing to the ends of the unit. Be sure to use self-tapping screws or pre-drill the holes. Crane recommends pre-drilling holes as a best practice. Do not drive the head of the screw into the glass surface, unless a pilot hole has been rounded out larger than the head of the screw. Failure to do so may result in the glass cracking and the crack lengthening with stress from the unit moving.

8. After the top is screwed, release the hoist (or unscrew the blocks on the bottom) and let the panel hang free allowing the weight of the panel to flatten the wall.

9. Run braces across the panel from top to bottom every two feet. The brace should have a chamber to force pressure against the surface of the wall. Wider coverage on the bracing ensures uniform pressure of the panel to the studs. Put the braces on an angle to allow multiple stud coverage with the same brace. Keep braces on overnight or as long as recommended by the adhesive manufacturer.

10. Route around door, window, and edges, using a carbon-tipped router bit. To reduce potential cracking while routing, do not route too fast and ensure router does not chatter

11. The wall panel may be screwed around window and door openings, along the ends, and the bottom. Be sure the screwing procedures mentioned above are followed.

A global leading provider of resilient wall and ceiling coverings. Kemlite® was established in 1954 and the company changed names to Crane Composites in 2007. Crane Composites is headquartered in Channahon, IL and all our products are manufactured in the United States. We work with hundreds of distributors, ensuring our products are easily accessible and readily available to our customers.