



Installation Instructions for LuxCore Plus FRP (LC +FRP)

ATTENTION: LUXCORE PLUS FRP PANELS MUST BE ACCLIMATIZED FOR 24 HOURS BEFORE INSTALLATION.
PLEASE READ ALL INSTRUCTIONS PRIOR TO INSTALLATION

DISCLAIMER, PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION

The guidelines provided herein have been established in good faith to help prevent installation problems caused by common errors. The manufacturer and/or distributor of the product bears no responsibility for installation actions taken or not taken.

There are many nuances of installation that are assumed to be general construction knowledge to an experienced installer; such nuances are not included in these instructions. Rather, these installation guidelines are strictly recommendations and are not intended to serve as a step-by-step, foolproof installation checklist. Selection of an experienced installer is the sole responsibility of the project owner and architect. ATI or its associated distributor's do not accept any responsibility for job failure resulting from or associated with improper job site conditions.

ATI Decorative Laminates believes all information contained herein to be correct. It is the responsibility of the fabricator/customer to completely test the adhesives and methods of fabrication to ensure that the results are satisfactory. Failure to comply with the following instructions, as well as the adhesive manufacturers' instructions, may result in significant installation problems. ATI is not responsible for any fabrication or ancillary costs involved with using LuxCore Plus FRP products.

INSPECTION

Please inspect LuxCore Plus FRP panels for any imperfections prior to installation; once installed, panels may be very difficult to remove.

STORAGE

Panels should be stored inside in a cool, well-ventilated, dry area on the original shipping pallet. Do not place panels on a concrete floor or any other surface that emits moisture. Panels should be laid flat, not on edge. Panels should be climatized in the area they will be installed for a minimum of 24-48 hours.

TOOLS REQUIRED

To cut LuxCore Plus FRP panels most effectively, a fine-tooth saw blade is recommended. For pre-drilled fastener holes, a diamond-coated or carbide drill bit is recommended. If the installation requires adhesive, it is recommended to utilize the trowel with the notch pattern suggested by the adhesive manufacturer, since the trowel used to apply the adhesive can have a great effect on the success or failure of the installation. Spray-on FRP adhesive (Spraylock brand) can also be used, following the manufacturer's directions for use.

MATERIALS REQUIRED

- LuxCore Plus FRP Panels
- Optional Trim
- Soap, Water, & Damp Cloth for Panel Clean-Up
- Mineral Spirits to Remove Excess Adhesive or Silicone Sealant



ADHESIVE

For applications requiring adhesive, suggestions include (*Titebond fast grab FRP*) adhesive or (*Titebond® Advanced Polymer Panel Adhesive*) (applied with a notched trowel). Titebond® Panel Adhesive should be applied in a crosshatch pattern to the wall, enabling even distribution of substrate. For best results, Titebond® panel adhesive should be stored above 50°F. Spray-on FRP adhesive (Spraylock brand) can also be used, following the manufacturer's directions for use.

Due to the abrasive nature of the adhesive, it is highly recommended that those working with the adhesive, wear protective safety equipment which include, but are not limited to the following: safety glasses, gloves, and a filter mask.

FASTENERS

Nylon drive rivets, or corrosion resistant screws are appropriate fastener options. If fasteners will be used in the installation, panels should be pre-drilled using a drill bit that is 1/8"-1/4" larger than the fastener. During installation, holes drilled into the substrate should also be made 1/8"- 1/4" larger. This is required to allow room for expansion and contraction of the panels.

EXPANSION JOINTS

As temperature and humidity levels fluctuate, LuxCore Plus FRP panels will expand and contract. Therefore, adequate space must be allowed around panel edges, holes drilled in panels, and around fixtures attached to the panel/wall. Please refer to the expansion joint chart below for spacing at ceiling, floor and between panels.

EXPANSION JOINT CHART

PANEL SIZE	4 X 8
Gap at ceiling	1/8"
Gap at floor	1/8"
Gap between panels and wall fixtures	1/16"

INSTALLATION

Note: For best results, LuxCore Plus FRP panels should be used in conditions which result in temperatures that are less than or exceed the allowable temperature ranges.

Do not use in areas exposed to temperatures exceeding 200°F for extended periods of time, or to intense or continuous direct sunlight.

STEP 1 – PLANNING AND CUTTING

- Fit each panel in advance before fastening and/or adhering in place.
- Perform all cutting and drilling prior to adhesive application.
- Verify that substrate surface has no bumps or uneven areas.
- Pre-drill rivet holes using a bit that is 1/8"-1/4" larger than rivet allowing for panel expansion according to the sizes in the chart on the previous page.

STEP 2 – INSTALLING ON WALL

- If using rivets, drill holes into substrate through the pre-drilled holes in panel.
- If using *Titebond® Advanced Polymer Panel Adhesive*, or *Fast Grab FRP Adhesive*, apply adhesive to wall using adhesive manufacturer's recommended notched trowel to ensure good adhesion. Spraylock adhesive can also be used.
- Set first panel true to plumb line.
- If using adhesive, firmly roll over the panel using a laminate roller, starting at the top corner rolling down and away toward the opposite edge, eliminating air pockets.



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- Repeat the process, working in one direction around the room.

STEP 3 – COMPLETING PANEL INSTALLATION

- Remove any residue left by adhesive as recommended by manufacturer.
- Clean panels thoroughly prior to leaving jobsite.

CONDITIONS & WARRANTY

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All shipments are to be inspected within 10 working days after delivery. We are to be informed in writing of any potential adjustment necessary. The seller's only obligation will be to replace defective sheets on a one-to-one basis. Neither the manufacturer nor the seller shall be liable for any additional damage or loss, directly or indirectly, arising because of using LuxCore Plus FRP products. Slight imperfections and color variations from sheet to sheet are possible and considered normal.

Please inspect each sheet carefully before fabrication to ensure it meets your needs.