



## INSTALLATION INSTRUCTIONS FOR FUSION POLYCARBONATE

**ATTENTION:** FUSION POLYCARBONATE MUST BE ACCLIMATIZED FOR 24 HOURS BEFORE 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.**

### **INSPECTION**

Please inspect Fusion Polycarbonate 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 acclimatized in the area they will be installed for a minimum of 24-48 hours.

### **TOOLS REQUIRED**

To cut Fusion Polycarbonate most effectively, a fine tooth sawblade is recommended. For installation with 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**

- Fusion Polycarbonate
- 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. Spray-on FRP adhesive (Spraylock brand) can also be used, following the manufacturer's directions for use.

### **EXPANSION JOINTS**

As temperature and humidity levels fluctuate, Fusion™ Polycarbonate 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**

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

## **INSTALLATION**

**Note:** For best results, Fusion Polycarbonate 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 140°F for extended periods of time, or to intense or continuous direct sunlight.

### **STEP 1 – PLANNING AND CUTTING**

- Fit each panel in advance before adhering in place.
- Perform all cutting and drilling prior to adhesive application.
- Verify that substrate surface has no bumps or uneven areas.

### **STEP 2 – INSTALLING ON WALL**

- 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.
- Set first panel true to plumb line.
- 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.
- 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**

Visit us online at <https://atilaminates.com/> for the latest patterns, finishes and installation videos. Click on "Resources" tab for the latest catalog and warranty information.