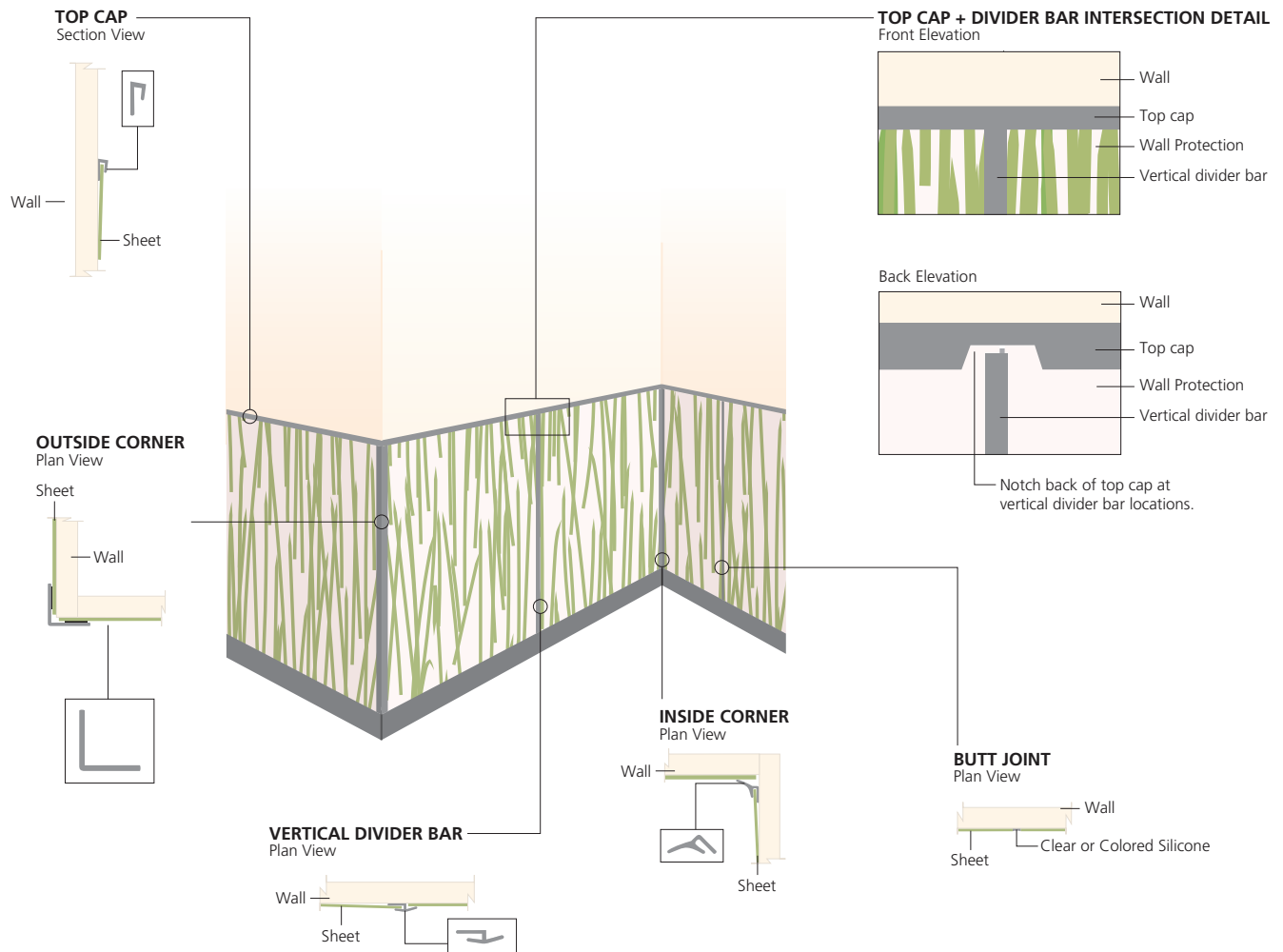


INSTALLATION GUIDE ›

WALL PROTECTION



BEFORE YOU START

Examine goods to assure that pattern, color, quantity and quality are as ordered prior to cutting or applying adhesive. Please refer to the adhesive manufacturer's instructions for comprehensive installation instructions. If you have any questions about the proper installation of this product, please contact Lumicor Sales Support at 1-888-LUMICOR before proceeding.

PRIOR TO INSTALLATION

- **Storage:** Materials must be stored flat in a clean and dry area above 50°F (10°C). Material should be stored in original packaging.
- **Environmental Control:** Lumiform and adhesive must be allowed to precondition for 24 hours at a minimum temperature of 65°F (18°C) but not exceeding 85°F (29°C) prior to installation. Wall temperature during installation should be a minimum of 65°F (18°C) and a maximum of 85°F (29°C). Temperature of installation area should be maintained at a minimum of 65°F (18°C) however, 75°F (24°C) is preferable. Do not install if relative humidity is greater than 80%.
- **Preparation of Surface:** Surfaces to be covered must be clean, relatively smooth, dry and structurally sound. Loose paint or other wallcoverings must be removed. Nail heads, nicks, gouges, and other surface imperfections should be sanded smooth and sealed. No sealing needed for Titebond Greenchoice Fastgrab FRP adhesive.
- **Backpaint (optional):** Please refer to Lumicor's Backpainting Instructions at <http://lumicor.com/backpainting>.

CUTTING

- **Cutting:** .050" gauge Wall Protection sheets may be cut with a utility knife, while using a metal straight edge as a guide. Several passes will be required. Lumicor recommends testing this method on a scrap piece first.
- **Sawing:** .050" gauge Lumiform sheets may be cut using a circular saw, jig saw or saber saw. See our cutting guidelines for more information at <http://lumicor.com/cutting>.
- **Drilling:** Holes may be drilled in Lumiform with standard, high-speed drills. See our drilling guidelines for more information at <http://lumicor.com/drilling>.
- **Routing:** Portable routers may be used for cutting Lumiform to size, and work well on projects where there are a large number of similar size sheets to be cut.

Any other convention of cutting should be tested first on the material to be cut.

DRY FITTING

1. Outline the area to be covered with chalk line or pencil. Use a level and straight edge to outline the top edge and a carpenter's square to mark the vertical edges.
2. Leave a 1/16" (1.6mm) expansion gap inside trim pieces, between panels, door jambs and baseboards.
3. On interior surfaces of exterior walls, and any area subject to temperature variations, an expansion clearance of 1/8" (3.2mm) minimum must be allowed on all sides of the sheet.
4. Drill oversized holes when installing fixtures such as handrails, air ducts, etc. These items can inhibit the natural expansion and contraction of the sheet as temperature changes occur.
5. Dry fit panels to their respective places on the wall to ensure proper fit.

RECOMMENDED ADHESIVE

TITEBOND — GREENCHOICE FAST GRAB FRP ADHESIVE

Bonds Lumicor panels to drywall, non-treated plywood, greenboard, concrete, concrete backerboard and most other common porous building materials. For complete installation instructions please reference manufacturer guidelines. Follow adhesive manufacturer's recommended safety precautions.

Tools & Materials

3/16" wide x 1/4" deep, spaced 1/2" c.c. trowel

Trowels using dimensions other than the specified size can be used, but they may affect working time and coverage.

Sanding block

Heavy-duty razor knife

Level and straight edge

Carpenters square

Pressure wall roller

Bucket of water and sponge (clean up)

Specifications

NFPA Class A fire rated, meets NAHB Green Building specifications, GreenSeal GS-36, LEED, SCAQMD, CARB. FDA and Canadian Food Inspection Agency (CFIA) approved for indirect food contact. Spread Rate: Approximately 50 square feet per gallon. Do not let adhesive freeze.

Installation

1. After panels have been cut to size, remove protective masking from front and back of panel.
2. Be sure that your panels are clean prior to installation. Wipe the back side with a cloth to remove any dust and allow to dry.
3. Use a 3/16" wide x 1/4" deep, spaced 1/2" c.c. trowel to apply FRP adhesive to the wall.
4. Smooth sheet into place within 20 minutes of applying the adhesive. Trim may be applied to the panel before applying to the wall.
5. Immediately roll the entire surface with a heavy-duty pressure roller. Start from the center of sheet and work out, being cautious to prevent air pockets from forming under the sheet.
6. Butt a straight edge up to the trim and adjust to ensure the trim is straight.
7. If trim accessories have not been used, seal any exposed joints with silicone sealant.
8. Wipe away any adhesive residue with a sponge and water.

Clean-Up

1. FRP adhesive can be cleaned away with water in its wet state. **Do not** allow adhesive to dry on surface of Lumicor or on tools. *Refer to adhesive manufacturer's recommendations for removal of excess adhesive and layout-marks. Take care not to allow solvent to contact Lumiform panels.*
2. Use clean rags/sponges to avoid re-depositing adhesive residue.
3. Rinse cleaned area thoroughly with water.

ALTERNATIVE ADHESIVES

3M FASTBOND CONTACT ADHESIVE #30-NF

Tools & Materials

Short nap paint roller & tray
Trim Brush
Polyethylene (4-8 mil)
Kraft paper or scrap Wallcovering for slip sheeting
Paperhanger brush
Heavy-duty razor knife
Level and straight edge
Carpenters square
Pressure wall roller

Specifications

Economical high coverage, meets MIL-A-24179A, Type I, GREENGUARD® Certified.

Installation

1. Using a short nap roller, apply two coats of contact adhesive to the wall. Allow the first coat to dry thoroughly before applying the second coat. Cut-in the corners using a trim brush.
2. Using a short nap roller, apply one coat of contact adhesive to back side of Lumiform panel (including any trim accessories). Wipe away any adhesive residue.
3. Let contact adhesives dry separately (approximately 30 minutes). **The longer you wait the stronger the initial bond will be.** You will notice a darkening of color when the adhesive becomes dry. Once adhesive is dry, sheets must be installed within three hours.
4. Contact adhesive bonds immediately upon contact. Utilization of slip sheets is highly recommended to prevent accidental bonding.

Clean-Up

1. Remove any adhesive residue **immediately**. **Do not** allow adhesive to dry on surface of Lumiform or on tools. *Refer to adhesive manufacturer's recommendations for removal of excess adhesive and layout-marks. Take care not to allow solvent to contact Lumiform panels.*
2. Carefully remove adhesive and lay-out marks on walls using a solvent such as mineral spirits or naphtha, or the adhesive manufacturer's recommended solvent taking care not to allow the solvent to contact Lumiform sheets.
3. Use clean rags/sponges to avoid re-depositing adhesive residue.
4. Rinse cleaned area thoroughly with water.

FORBO L910W

Tools & Materials

1/16" x 1/16" x 1/16" Square notched trowel
Polyethylene (4-8 mil)
Kraft paper or scrap Wallcovering for slip sheeting
Paperhanger brush
Sanding block
Chalk line/plumb bob
Heavy-duty razor knife
Level and straight edge
Carpenters square
Pressure wall roller

Specifications

Not flammable; 100% Solvent free, Moisture resistant & mildew resistant; Antimicrobial, VOC Emissions: 0 grams per liter (calculated per CA South Coast Rule 1168). Spread Rate: Approximately 150 square feet per gallon.

Installation

1. Using a 1/16" x 1/16" x 1/16" Square notched trowel, apply adhesive to the wall.
2. Wipe away any adhesive residue.
3. Once a light touch produces little transfer of the adhesive to the finger, but a firm touch will flatten and "smear" the adhesive (Do not allow the adhesive to dry), the Lumiform may be applied.
4. Roll immediately to remove any trapped air. Install one sheet at a time.
5. Contact adhesive bonds immediately upon contact. Utilization of slip sheets is highly recommended to prevent accidental bonding.

Clean-Up

1. Remove any adhesive residue **immediately**. Do not allow adhesive to dry on surface of Lumiform or on tools. *Refer to adhesive manufacturer's recommendations for removal of excess adhesive and layout-marks. Take care not to allow solvent to contact Lumiform panels.*
2. Carefully remove adhesive and lay-out marks on walls using a solvent such as mineral spirits or naphtha, or the adhesive manufacturer's recommended solvent taking care not to allow the solvent to contact Lumiform sheets.
3. Use clean rags/sponges to avoid re-depositing adhesive residue.
4. Rinse cleaned area thoroughly with water.

Disclaimer: All technical advice, suggestions, recommendations and services are based on information believed to be reliable. The samples and information supplied are intended for use by skilled persons at their own risk. Users should verify for themselves that the information provided is suited for user's intended application. Lumicor makes no expressed or implied warranty, including, without limitation, the warranties of merchantability, fitness for a particular purpose (even if that purpose is known to Lumicor), or from any course of dealing or trade usage regarding any materials supplied hereunder. This warranty does not cover damage caused by mishandling, misuse, improper installation, damage from excessive heat or exposure to weather, physical or chemical abuse, or acts of nature.