

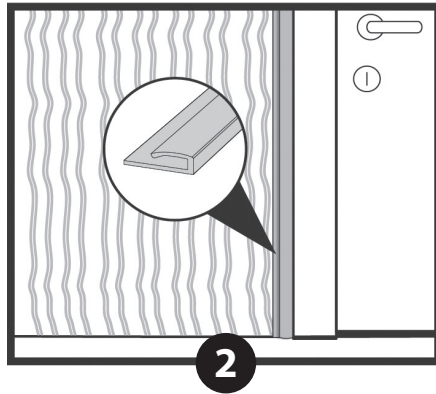


A photograph of a modern shower stall. The walls are white and the floor is brown. A large black overhead showerhead is mounted on the wall. A chrome showerhead is also visible. There are four circular outlets on the wall and a vertical pipe on the left.

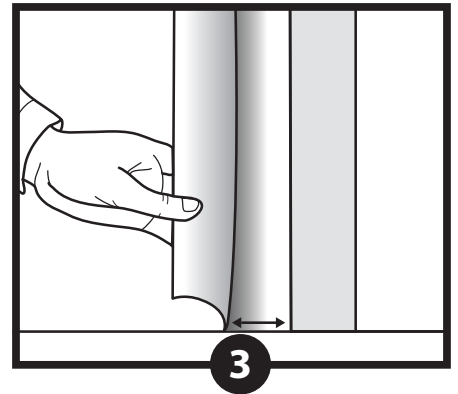
Overview: Cladding Installation Guidelines Using PALCLAD™ PRO Panels



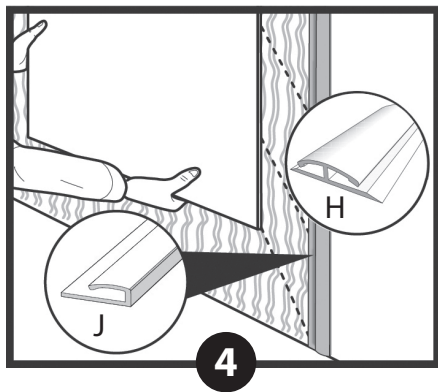
1
Apply the adhesive to the wall according to the instructions of the adhesive manufacturer.



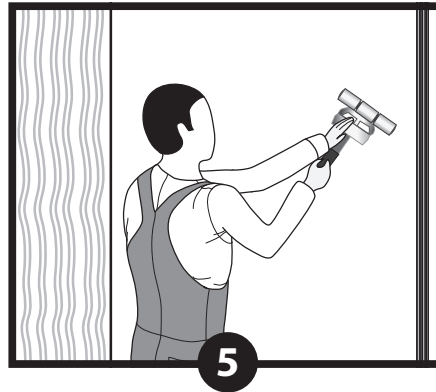
2
Position and attach J profile to the wall.



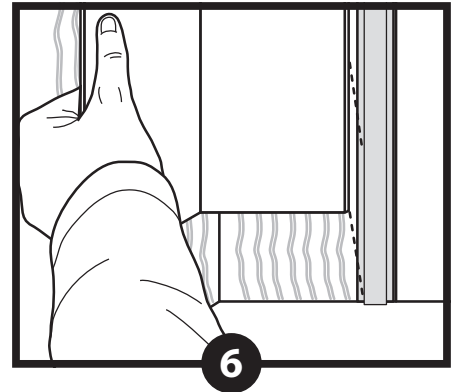
3
Peel back the edge of the protective film (if applicable) by approximately 1".



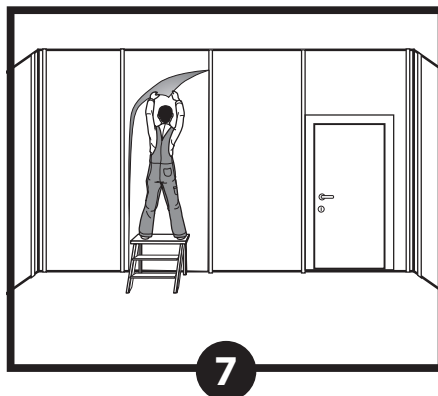
4
Attach the first PALCLAD Pro panel to the wall and profile. Use J profile on finished panel ends and H profile to join two sheets.



5
Apply pressure to the entire Panel using a laminate roller to ensure good adhesion and removal of trapped air.



6
For heat bending corners, see instructions on the back page. Or use Inside Corner profile to join two panels.



7
Peel off the protective films after all other jobs on site are finished.

Installation Tips

- Inspect and pre-fit all panels before installation.
- Remove high spots and fill in low spots. Installation over uneven surfaces may inhibit the adhesive bond.
- Be sure the wall is dry and free from dust, dirt, grease, paint or excessive joint compound.
- Lay panels flat for 24 hours before installation.
- The room, panels and adhesive should be above 60°F at least 24 hours prior to installation and throughout the process.
- Radius the corners of any cut out fixture openings.
- All cutting and drilling should be done prior to the application of adhesive.
- Trowel the adhesive to the wall.
- Be sure to use the trowel size recommended by the adhesive manufacturer.
- The depth of the trowel notches will help bridge the gaps between the wall surface and the panel.
- Affix the panel to the wall immediately after applying the adhesive.
- Use a laminate roller to remove air pockets. Roll down and out toward the panel edge.

Overview

PALCLAD™ PRO PVC interior wall cladding panels are an attractive, easy-to-install, cost effective alternative to Fiberglass Reinforced Plastic (FRP) panels. Unlike FRP panels, PALCLAD PRO contains no fiberglass, is extremely durable and will not erode or “fiber bloom”, ensuring a sleek, long-lasting surface.

PALCLAD PRO panels are easy to install. Panels can be glued or mechanically fastened to almost any solid, clean surface, including drywall, concrete block, wood, metal, etc. Connecting profiles are also available. This makes it an ideal solution as a wall or ceiling covering in any remodeling or new construction project.

Made of PVC, PALCLAD PRO panels are inherently chemical and water-resistant, and are impervious to bacteria, mold and mildew. PALCLAD PRO is designed to withstand wet environments requiring frequent deep-cleaning.

Safety Information

WHEN CUTTING OR DRILLING, ALWAYS WEAR PROTECTIVE GLASSES OR GOGGLES AND A FACE MASK WHICH COVERS THE FACE AND MOUTH. Hearing protection is recommended when using power tools.

Storage

Panels should be stored indoors on a solid, flat, dry surface other than the floor. Do not stack on concrete floor or any other surface that emits moisture. Lay panels flat with proper support on the ends of panels. Do not stand panels on edge. Optimum storage conditions are 60° to 75° (16°C to 24°C and 35% to 55% relative humidity.)

Installation Preparation

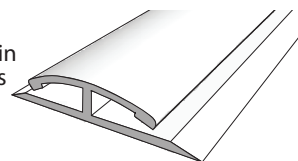
Before beginning the installation, the installer must determine that the environment of the job site meets or exceeds all requirements specified in this installation guide. Prior to installing, remove the packaging and allow the panels to acclimate to the room temperature and humidity for 24 hours.

Ideally, both the room temperature and humidity during acclimation and installation should be the same as the final operating conditions.

Installation should not begin until building is enclosed (windows and doors are installed), permanent heating and cooling equipment is in operation, and residual moisture from plaster, concrete, or terrazzo work has dissipated. Installation temperature range should be 60°F to 75°F (16°C to 24°C) and relative humidity range should be 35% to 55%.

PALCLAD™ Pro Profiles

H Profile
Used to join two panels



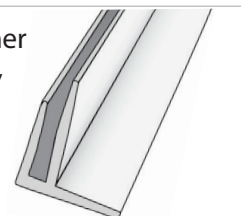
J Profile
Used to provide a clean finish on the edge of panels



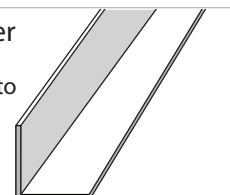
Inside Corner
Provides a clean, finished inside corner



External Corner
Provides a clean, finished outside corner



Outside Corner
Provides added impact strength to outside corners



Tools/Materials Needed

IMPORTANT NOTE: If installation room has high humidity (65% or higher) then a portable low-cost dehumidifier unit is suggested.

- Palclad Pro Panels
- Palclad Pro Profiles
- A non-flammable water-based latex adhesive for porous substrates or an advanced polymer adhesive for non-porous substrates (see recommended adhesives on next page).
- V-notched trowel 3/16" x 1/4" x 5/16" or one recommended by adhesive manufacturer
- Circular saw with fine tooth (>140 tooth) carbide tipped saw blade
- Straight edge
- Laser level or chalk line
- Ladder
- Jig-Saw
- Flat edge finishing tool (putty knife or equivalent)
- Tape measure
- Utility knife
- Six-penny nails or tool to measure spacing 1/8"
- Drop cloths and soap and water for clean-up
- Saw horses
- Plywood or flat work surface larger than panels
- Laminate roller
- Dry, lint free rags
- Acetone and/or mineral spirits
- Heated strip bender

Surface Preparation & Layout

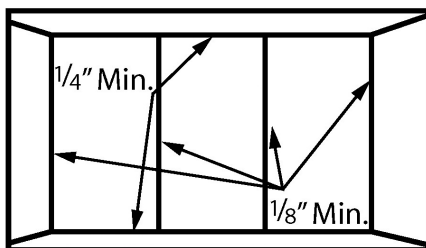
Insure that walls are flat, clean, dry, and solid. Remove or sand through all waterproof surfaces. Remove all bumps, loose plaster or paint and dust. Fill all low spots and voids. Concrete block walls may require a leveling coat. Plan where the panel edges will meet, avoiding placement directly over drywall or plywood joints. Decide where to install the first panel and the best direction to work.

Cutting & Fitting Panels

Unlike other panels, Palclad Pro panels contain no fiberglass or other irritants. They can be scored and snapped similar to drywall and cut with sheet metal shears. If sawing, use a fine toothed blade. Cut-outs such as for switches should be drilled at the corners to distribute stress. Test the panel fit by placing it in position without adhesive.

Allowing for Movement

Palclad Pro panels expand and contract with temperature changes. Space panels as shown. Do not use in structures subjected to extreme temperature changes, such as RV, Boat, and trailer interiors.



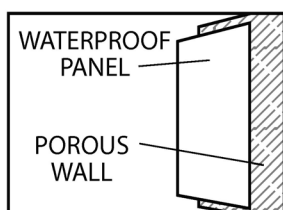
IMPORTANT! LEAVE A MINIMUM OF 1/8" BETWEEN AND 1/4" AT THE TOP AND BOTTOM OF EACH PANEL

Panel Adhesives

Palclad Pro panels should be installed with a quality trowel grade non-flammable or latex based panel or construction adhesive listed in the chart to the right.

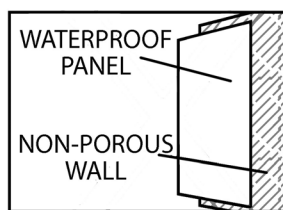
NOTE: The water-borne family of adhesives, including latex and non-flammable based formulas, will not bond two impervious surfaces to each other. Because Palclad Pro panels are impervious to moisture, the wall being covered must be porous enough to allow for adhesive drying. When adhering Palclad to non-porous surfaces, use an advanced polymer type adhesive. **Always follow adhesive manufacturer's directions completely.**

Use a standard latex adhesive



Such as drywall, plywood, wood composite panels, unsealed concrete.

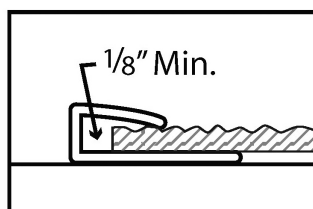
Use an Advanced Polymer adhesive



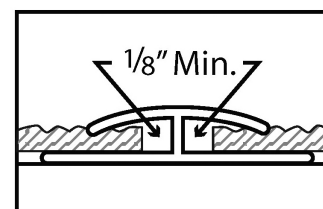
Such as plastic panels, metal panels, sealed concrete.

Cutting & Fitting Profiles

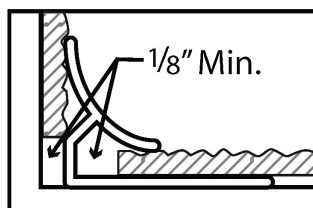
PVC profiles are available for Palclad Pro to facilitate installation. Profiles can be cut with razor knife, fine toothed saw or metal shears. Do not fit panels too tightly in profiles. Allow at least 1/8" in all channels for panel expansion after installation is completed. For a watertight installation, a continuous bead of sealant must be run in all profile channels and mating flanges. Profiles should surround all edges of every panel. Excess sealant "squeeze out" can be cleaned off while fresh.



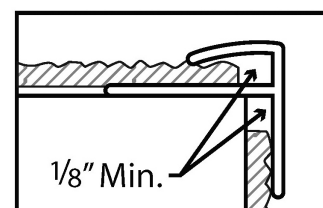
J PROFILE



H PROFILE



INSIDE CORNER



OUTSIDE CORNER

RECOMMENDED ADHESIVES

Consult adhesive manufacturer to ensure compatibility with Palclad Pro PVC panels

Non-Flammable Adhesives

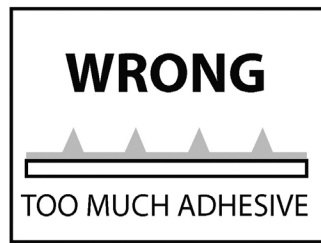
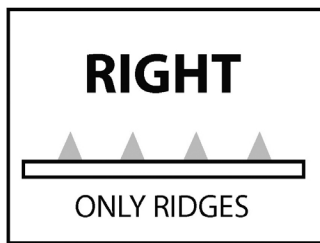
Mfg. Phone

Henry #444 FRP Panel Adhesive	888-512-7339
Liquid Nails FRP #310 Latex FRP Adhesive	800-634-0015
Franklin Titebond Green Choice Advanced Polymer Panel Adhesive	800-347-4583
Franklin Titebond Green Choice Fast Grab FRP	800-347-4583
OSI Sealants, Inc. Pro Series FRP-555	800-624-7767
DAP Weldwood FRP Adhesive	888-327-8477
Roberts 2310 Resilient Flooring Adhesive	888-875-5087

NOT RECOMMENDED / NOT COMPATIBLE

All Solvent based and all tube style adhesives

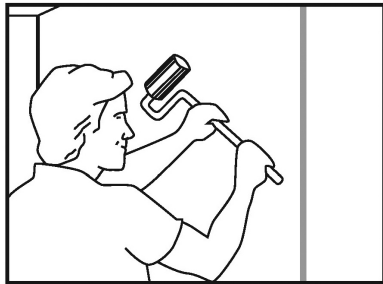
Applying Adhesive



Spread adhesive onto the wall following manufacturer's directions for trowel notch size and working temperature. Press trowel so that teeth touch panel. Leave only ridges of adhesive on the panel.

Installing the Panel

Position the panel and press against the wall. Take care to insure that the panels are not fitted too tightly. Use a laminate roller over the entire surface of the panels to ensure that there is even and complete adhesive contact with the panel at all points. Remove any fresh adhesive that has been forced out of the perimeter of the panel using acetone or mineral spirits.

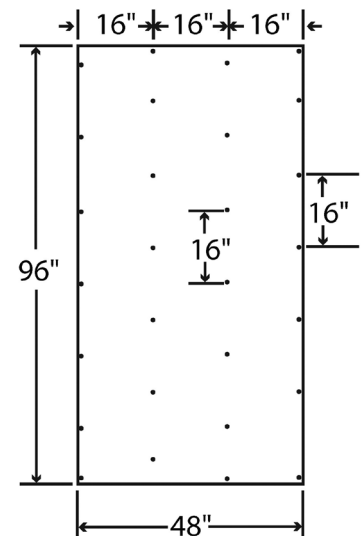
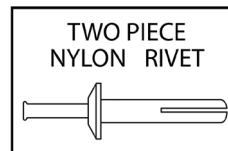


Cleaning & Maintenance

After installation, panels may be cleaned with non-abrasive all purpose cleaners or soaps. For difficult stains such as felt marker or graphite, use Mineral Spirits or Acetone sparingly. Labels can be soaked off with penetrating oil such as WD-40.

Mechanical Fasteners

Mechanical fasteners such as nylon drive rivets may be used in addition to adhesive. Install mechanical fasteners starting from the center of panel. Work systematically outwards, securing the perimeter last. Arrange fasteners on 16" centers with outer fasteners placed about 1" from panel edges. At panel seams, fasteners should be staggered to insure a flat seam.





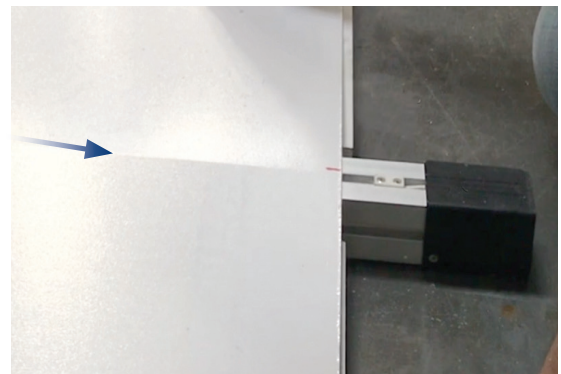
PALCLAD™ PRO

INSTALLATION GUIDE

Forming PALCLAD Pro Panels for Corners

Prior to performing any finished bending it is highly recommended to practice on scrap material to become familiar with the forming process and bending equipment. Measure the distance on the wall of the area which you are going to be covering. You should take and record measurements at the bottom, middle and top of wall section.

1. Once you have measured the wall, cut the PALCLAD Pro panel to the appropriate length for the height of the wall.
2. Being certain not to end the panel seam in a corner (minimum 12" from any corner), mark the PALCLAD Pro panel with the distance measurement at the top and bottom of the panel. For inside corners you need to subtract 5/64" (2mm) from the measurements to account for the thickness of the PALCLAD Pro panel. For outside corners you need to add 5/64" (2mm) to the measurements.
3. Make sure that the heat strip bender is at least as long as the bend you are performing and that the top surface of the strip bender is flush with the surface of the table supporting the PALCLAD Pro sheet. Place the backside of the PALCLAD Pro panel on the bender. Place the marks made on the top and bottom edges of the panel at the centerline of the heater element.
4. After 30-45 seconds (depends on temperature of strip bender) you will see a line of demarcation form on the PALCLAD Pro panel where the heating element is heating the surface of the PALCLAD Pro panel. Once this line appears, it's time to remove the panel from the strip bender.
5. With two people, one at each end, remove the panel and place it on a large flat work area. Bend the panel completely in half back onto itself in the direction you want the bend to go. Then quickly stand the bent portion back up to a 90 degree angle (or the angle of the wall you are covering) and hold it there until the panel cools. Approximately 90 seconds. The panel should now stay bent on its own and be ready to place on the wall following the steps on the previous page.



Heated strip bending line of demarcation.



Bending PALCLAD Pro.



PALRAM AMERICAS
9735 Commerce Circle
Kutztown, PA, 19530 USA
800.999.9459
ContactUs.USA@palram.com
palram.com/us



Authorized Distributor

Inasmuch as Palram Americas has no control over the use (and/or installation method) to which others may put this material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make their own test to determine the suitability of the material for their own particular use. In the event of a warranty claim for product failure, Palram Americas reserves the right to inspect any or all of the sheets involved and the installation site itself while the sheets are still in their original position and have not been removed or moved or altered in any way.
© 2022 Palram Americas



Form 1406-093022 KE