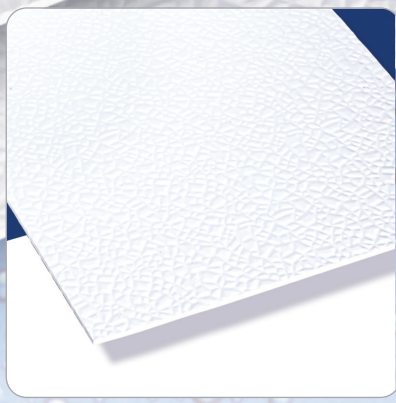


PALCLAD™ PRO CRACKED ICE



Bright White

About PALCLAD PRO Panels

PALCLAD PRO wall and ceiling liner panels are ideally suited for residential, industrial and commercial interior applications. PALCLAD PRO panels are waterproof, light weight, have an attractive beaded texture, absorb scratches and are easy to clean, making them a great choice for areas that are moist, wet or damp, and need to clean up quickly and easily. To install as a wall panel, simply apply over drywall, no need to tape, mud, or sand. PALCLAD PRO panels are applied over drywall/sheetrock/gypsum wall-board, cinder block/concrete wall, by mechanically fastening or applying an approved adhesive on the backside of the panel (see installation instructions inside).

The PALCLAD PRO installation process represents a net savings in time, and the enduring properties of the panel ensure a long life and easy maintenance in most residential, commercial and industrial applications.

PALCLAD PRO Panels are Versatile...

- Designed for a wide variety of residential, commercial, industrial, and agricultural applications
- Waterproof material is excellent for use around pools
- Meets USDA/FDA guidelines for incidental food contact; ideal for restaurants and food processing applications
- Safe for animals; excellent for farm use, pet stores, kennels, animal hospitals
- Attractive surface texture compliments any decor
- Easy to install, easy to clean, and easy to maintain

PALCLAD PRO Panels are Economical

- Palclad Pro panels are 100% recyclable.
- Resistance to stains, water & chemicals, plus easy cleaning, keeps PALCLAD PRO looking great for years to come
- Lower initial cost plus long-lasting performance add up to superior value!

PALCLAD PRO Panels are Durable

- Impact resistant
- Fiberglass-free formulation is resistant to chemicals
- Won't support the growth of bacteria, mold or mildew and will not fiber bloom
- Extremely resistant to stains
- Color goes all the way through the panel, so scratches don't show

Applications

PALCLAD PRO is mostly used in commercial and industrial settings that have a lot of moisture or require quick and easy cleanup.

Field applications include:

- Restaurant kitchens
- Gyms
- Showers
- Food processing plants
- Laundromats
- Locker rooms
- Commercial rest rooms
- Hallways, waiting rooms

PALCLAD™ PRO CRACKED ICE Features and Benefits

Features	Benefits
100% waterproof	Non-absorbent: no swelling, rotting, or water discoloration
Fiberglass free	No irritating, harmful fiberglass dust
Does not support mold	Hygienic: does not contribute to "sick"-building syndrome
Chemically inert	Not affected by acids, harsh chemical solvents or petroleum products
UV resistant	For interior use, but will not yellow from fluorescent light or reflected sunlight
Color goes all the way through	Scratches don't show makes for extended product life
Heavy cracked-ice texture	Resists marring: good for high traffic areas
Excellent fire performance	ASTM E84 - Class A
USDA/CFIA approved	Use in federally inspected food processing plants
Easy installation	Can be scored with utility knife and snapped
100% Recyclable	Reduces Carbon Footprint

PALCLAD PRO represents a cost effective alternative to FRP panels



PALCLAD™ PRO CRACKED ICE

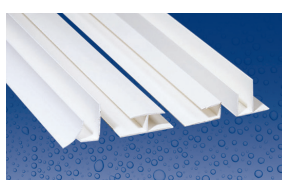
Product Specifications

- Stock size:** 4' x 8', 4' x 10'
- Thickness:** .090"
- Standard Color:** Bright White.
- Packaging:** 50 pieces per pallet.
- Material:** 100% PVC.
- USDA:** PALCLAD PRO panels comply with USDA/FDA guidelines for incidental food contact.

Properties	ASTM Test Method	Typical Value
Water absorption	D-570	<.3%
Flame spread	E-84	Class A
Smoke developed	E-84	Class A
Notched Izod Impact	D-256	26 lbf
Shore hardness	D-2240	80
Coefficient of exp.	D-696	3.7 x 10 ⁻⁵ in./in./°F
Tensile strength	D-638	7250 PSI
Heat deflection	D-648	145°F
Tensile modulus	D-638	420,600 PSI

A Full Assortment of Accessory Mouldings in Matching Colors

Use matching accessory mouldings to trim out panels and help achieve a water resistant finished wall. Place a small amount of silicone sealant in the channels of the mouldings.



PALCLAD™ PRO CRACKED ICE

WATERPROOF WALL & CEILING LINER PANELS
5-Year Limited Warranty*

Palram warrants that PALCLAD PRO panels will be free from defects in material or workmanship for a period of five years from date of purchase. Palram will, at its option, replace materials or refund purchase price to original purchaser for materials found to be defective, provided that such products have been installed in accordance with Palram's printed installation instructions. This warranty applies to reimbursement or replacement of Palram products only and specifically excludes payment for labor or costs of any other kind relating to the original or replacement installation. Palram shall not be liable for incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

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PALCLAD™ PRO CRACKED ICE

Interior PVC Wall Cladding



For detailed information on physical properties, please visit www.palram.com/us/product/palcladpro/

www.palram.com/us

www.palram.com/us

Installation Guide

PRODUCT DESCRIPTION

Fiberglass-free Palclad Pro panels are waterproof, stain & chemical resistant. Palclad Pro complies with ASTM E84 Class A, USDA, and the Canadian Food Inspection Agency (CFIA) requirements.

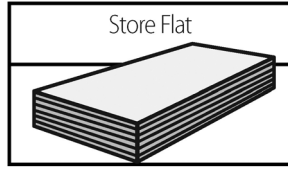
Palclad Pro is the same material all the way through. The front side is embossed to enhance durability. The smooth back side is treated to accept waterbased adhesives. Palclad Pro panels are designed to install with trowel grade latex adhesive over structurally sound solid interior walls, such as drywall or plywood. When installed with caulked mouldings, Palclad Pro panels form a moisture resistant, sanitary, low maintenance wall surface.

GENERAL INSTRUCTIONS

The following general instructions are for installing Palclad Pro panels. This guide will help you select the other materials necessary for a successful installation. Always follow all adhesive, sealant and fastener manufacturer's instructions carefully.

STORAGE AND CONDITIONING

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 ENVIRONMENT

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.

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.

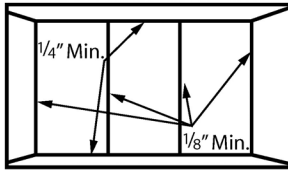
CUTTING & FITTING PANELS

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.

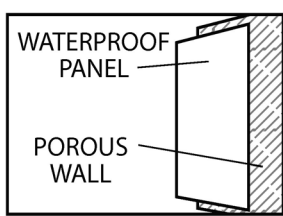


PANEL ADHESIVES

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.

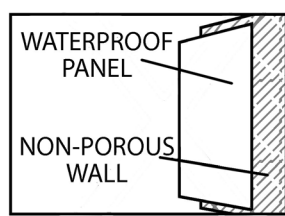
NOTE: The water-borne family of adhesives, including latex and non-flammable based formulas, will not bond two impervious surfaces to each other. Because Palclad Pro panels are impervious to moisture, the wall being covered must be porous enough to allow for adhesive drying. When adhering Palclad to 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.

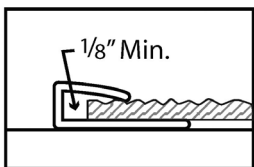
Use an Advanced Polymer adhesive



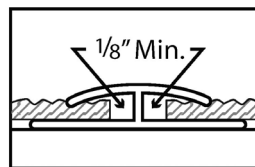
Such as plastic panels, metal panels, sealed concrete.

CUTTING & FITTING MOULDINGS

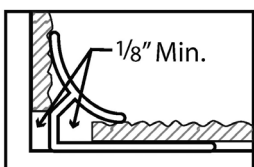
PVC mouldings are available for Palclad Pro to facilitate installation. Mouldings can be cut with razor knife, fine toothed saw or metal shears. Do not fit panels too tightly in mouldings. Allow at least 1/8" in all channels for panel expansion after installation is completed. For a watertight installation,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



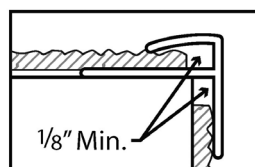
J CHANNEL



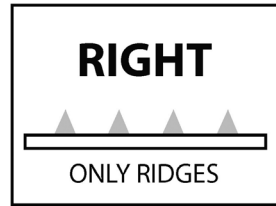
DIVIDER OR DIVISION BAR



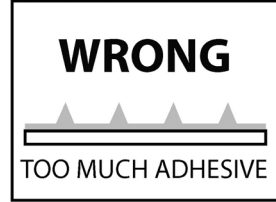
INSIDE CORNER



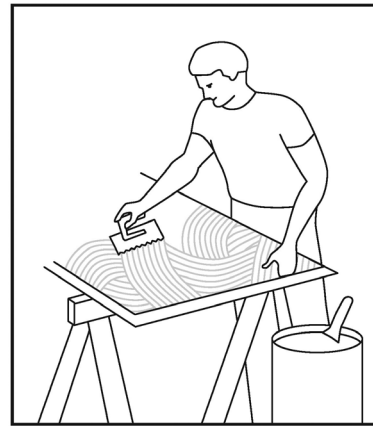
OUTSIDE CORNER



ONLY RIDGES



TOO MUCH ADHESIVE



APPLYING ADHESIVE

Spread adhesive **over the entire back** of the panel following manufacturer's directions for trowel notch size and working temperature. Press spreader so that teeth touch panel. Leave only ridges of adhesive on the panel. Be sure to spread the adhesive on the panel, not the wall.

APPLYING THE PANEL

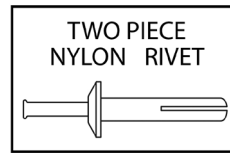
Position the panel and press against the wall. Take care to insure that the panels are not fitted

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 wall at all points. Remove any fresh caulk and/or adhesive that has been forced out of the perimeter of the panel.

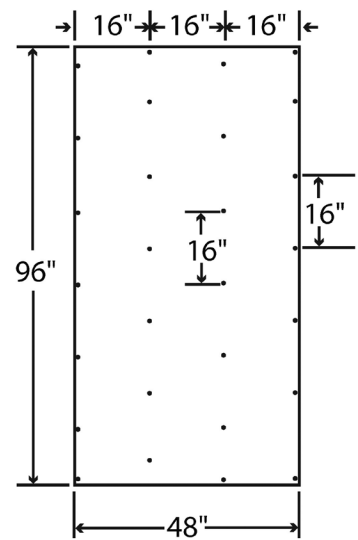
MECHANICAL FASTENERS

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.



TWO PIECE NYLON RIVET



RECOMMENDED ADHESIVES

Consult adhesive manufacturer to ensure compatibility with Palclad 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

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 panel.
- 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.

CLEANING AND 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.