

Moisture Resistant
Wall Panel



Nudo BPLite™ Installation Guidelines

Please Read Disclaimers:

PLEASE READ ALL INSTRUCTIONS BEFORE BEGINNING INSTALLATION!!

These guidelines are provided in good faith to help prevent any problems caused by common errors in installation. The manufacturer and/or distributor of this product shall not be held responsible for installation actions taken or not taken. There are many details of installation that are assumed to be general construction knowledge to experienced installers, which are not included in these instructions. These installation guidelines are intended to be strictly recommendations and are NOT to serve as a step-by-step, fail-safe installation checklist. Selection of an experienced installer is the sole responsibility of the project owner and architect.

Nudo Products, Inc. does not accept any responsibility for job failure resulting from or associated with improper site environmental conditions.

Inspection: Upon delivery carefully inspect all cartons, packages, pallets, and protective wrap for damage or shortage. Open and inspect suspect packages, cartons or wrapped pallets for damage. Contact shipper immediately to report any damaged or missing materials. Failure to do so shall be at the sole risk of the installer. If defective materials are discovered, notify Nudo @ 800-826-4132 immediately (24 hours of receipt of panels). **DO NOT INSTALL QUESTIONABLE PANELS!** NUDO will NOT be responsible for installation or cost of removal of unacceptable panels.

Uses & Applications: BPLite panels should only be installed over solid wall surfaces (wood, drywall, etc.). It should NOT be applied directly to wood or metal studs. Wall surfaces should be clean, flat, dry, and smooth. Uneven wall surfaces should be corrected for best result. Following adhesive manufacturer's application guidelines when choosing proper adhesives for the particular substrate you are bonding to is highly recommended.

Safety Instructions: When cutting or drilling, always wear protective glasses or goggles and a face mask which covers the face and mouth. Itching due to fibers may be avoided by the use of barrier creams on exposed skin areas.

RESPONSIVENESS

CONSISTENCY

SOLUTIONS

<p>Tools Needed</p>	<ul style="list-style-type: none"> • Power saws with carbide tipped saw blades • Power Drill with Carbide Bits • Pencil • Trim Cutter • Tape Measure • Sawhorses • Painter's Tape • Ladders or Scaffolding
<p>Materials Needed</p>	<ul style="list-style-type: none"> • Allure Panels • Manufacturer's recommended adhesive and trowel • Non-abrasive cleaner, soap and water, mineral spirits, for use in clean-up • Rags • Personal Protective Equipment (goggles & mask) • Seam finishing (Aluminum trim, PVC trim, or color matched caulking) • Plywood Larger than Panels

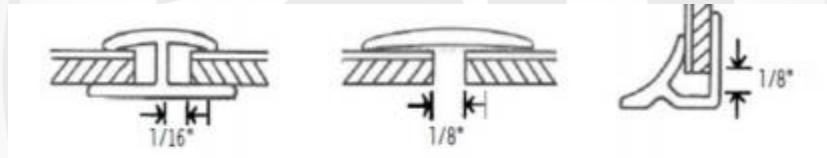
Storage & Preparation: All BPLite panels should be stored indoors in a dry area. Do not store panels outdoors. Panels should be unwrapped and removed from skid and stacked on a flat, dry surface. Do not stand panels on edge or stack on fresh concrete floor or any other surface that emits moisture. Panel should be acclimated to temperature and humidity of space for at least 24 hours prior to installation. Ideally, the room temperature and humidity during acclimation and installation should be the same as the final operation conditions. Optimum storage conditions are 60°F (16°C) to 75°F (24°C) and 35% to 55% relative humidity.

Prior to Installation: Installation should NOT begin until building is enclosed (windows and doors installed). Permanent heating and cooling equipment is in operation, and residual moisture from plaster, concrete, etc. is dissipated. Prior to installation, the installer must determine that the environmental conditions meets or exceeds all requirements specified in the installation guidelines. Before installing remove packaging materials. Allow the panels to acclimate to the room temperature and humidity for 48 hours before installing. Acclimation temperature range should be 60° to 75°F (16°C to 24°) and relative humidity should be 35% to 55%. Ideally, the room temperature and humidity during acclimation and installation should be the same as the final operation conditions.



Environmental Conditions: In high humidity, acclimate panels in operational room conditions for 48 hours prior to installation. It is imperative that moisture is sealed at the entry points with silicone sealant. Failure to do so may result in the substrate warping, curling, delamination or bond line separation. Use an adhesive that is recommended for high humidity, following the manufacturer's application guidelines. Check with the local building codes for specific requirements. In low temperature conditions, acclimate panels in operational room conditions for 48 hours prior to installation. Use an adhesive recommended for low temperature conditions, following the manufacturer's application guidelines. Check with the local building codes for specific requirements. Do NOT use BPLite panels, in high temperature conditions, exceeding 130°F (55°C). Prolonged exposure to direct sunlight MAY CAUSE the panels to fade and/or rapid expansion. Please use extreme caution when installing panels in these type environments

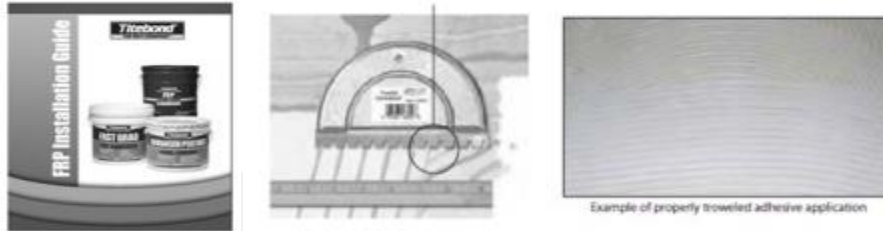
Expansion & Contraction: All BPLite panels will have some expansion and contraction due to changes in temperature and environment. It is important to allow a 1/8" gap at the ceiling and panel base. Allow a 1/16" gap between panels and division bars. If face mounted moldings, allow more space for expansion and contraction of BPLite panels longer than 8' and in areas with high fluctuations in temperature. Pre-drilled holes should be slightly larger than the diameter of fastener shank to allow for normal expansion and contraction. Note: Allow for expansion of BPLite panels when installing around pipes, conduits, electrical outlets, etc.



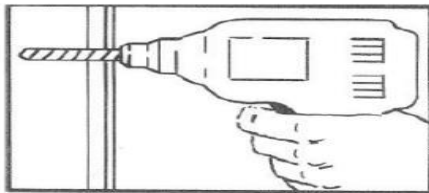
Molding: Vinyl and aluminum moldings can be used for installation. Cut moldings as needed for proper fit. The divider, ISC, & OSC moldings may need to be cut to accommodate ceiling and base finishes. Place moldings on panels before fastening edges, if required. Always use moldings in high moisture areas. The use of trim moldings and silicone sealant with BPLite panels is recommended to achieve a moisture resistant installation. Cut moldings to size and place silicone sealant into channel of moldings during installation. Place moldings on panels before fastening, if required. Follow silicone sealant manufacturer's recommendations for installation.



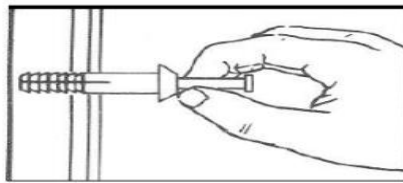
Adhesive: 100% adhesive coverage is required when installing BPLite panels. Titebond adhesives are recommended. Refer to adhesive manufacturer's guidelines for adhesive acceptable for use on drywall, plywood, OSB and gypsum walls.



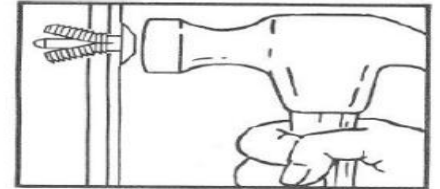
Fasteners: In high moisture areas or certain situations, BPLite panels should be installed with non-corroding fasteners. We recommend plastic pin rivets, chrome pin rivets, one piece nylon rivets, stainless nails or screws. Fasteners should be installed to fit snug but should not be over tightened. Carefully select the proper length and width of rivet fastener for the covered project substrate.



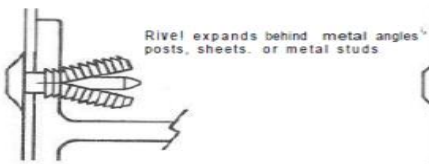
Easy to use Drill a hole (.257"-F Bit)



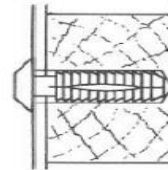
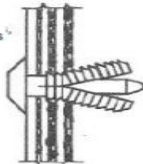
Remove dust and filings from the hole. Insert rivet.



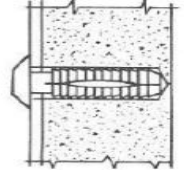
Hit the pin. The shank expands into or behind material for a tight, secure grip



Rivet expands behind metal angles, posts, sheets, or metal studs



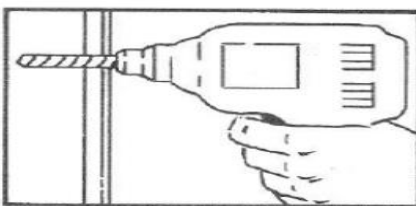
Rivet expands in solid furring strips studs, substrates of brick block, concrete, drywall



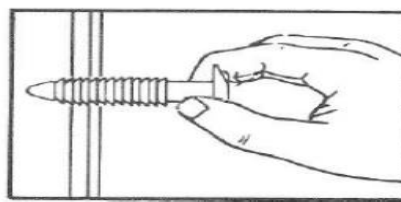
Chrome pin rivet has high shear strength but should be used in low moisture areas. Installation is the same as plastic pin rivet above.



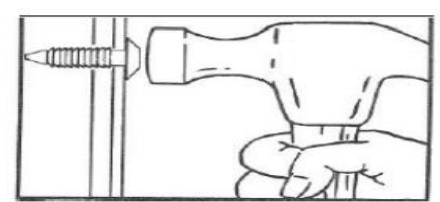
One piece-nylon rivet fastens panels to any wood substrate or wood stud. See diagram below:



Easy to use. Drill a hole (.281"-K Bit)



Remove dust and filings from the hole. Insert rivet.



Drive rivet flush

RESPONSIVENESS

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Installation Reminders:

1. Follow safety and fire guidelines during installation and use of panels. Compliance with local building codes is recommended.
2. Pre-condition panels for 48 hours prior to installation and allow for expansion and contraction during installation.
3. Trim panel to fit properly. All inside corners of cutouts must be radiused as large as possible, 1/8" (3.18mm) minimum, to avoid stress cracking. Holes for screws or bolts should be pre-drilled oversized.
4. Follow all recommended standard practices, conditions, procedures, and recommendations as specified by Architectural Woodwork Quality Standards. Use moldings, silicone, fasteners, and adhesive with panels for best installation.
5. Start installation of molding in any inside corner, marking the plumb line (48-1/8") for vinyl trim and (48-1/16") for aluminum trim. Place molding on panels, if required before fastening panels (ie. CAP, ISC, OSC, etc.).
6. First panel installed should be set true with plumb line. Check plumb line during installation. Cut panels, if required, for proper installation.
7. Miter cut moldings as needed for proper fit. The divider, edge cap, ISC & OSC moldings may be cut to accommodate ceiling and base finishes.
8. Apply 100% adhesive to backside of panels. Troweling adhesive in the vertical direction will allow air to escape during pressing. (Refer to adhesives manufacturer guidelines). BPLite panels may bow slightly, this is normal in certain environmental conditions. Brace any bowed panels in place until the adhesive dries/cures. Environmental conditions can affect cure time. Call the adhesive manufacturer for the specific time needed for applying bracing.
9. Securing inside corner molding to wall. Insert panel into inside corner molding allowing for expansion contraction, place panel into corner of wall and align with plumb line.
10. Once panel is placed on wall, use roller to remove any air pockets. Use only enough roller pressure to remove air bubbles. Excess pressure may cause panels to bow in during pressing, flattening adhesive beads, and creating gaps once panels flatten back out after pressing.
11. Place dividing trim on edge of first panel and continue with next panel applying adhesive to back of panel, sliding panel into division bar, align with plumb line, and use roller to remove any air bubbles.
12. Cut panels, if required, for proper installation face up, placing a protection cloth between saw and panel face to protect surface.

Installation Reminders (Cont.):

13. Prior to installing the last panel on the first wall, insert an inside corner on the leading edge of the panel. The first panel on the new wall will slide into the last panels inside corner of the existing wall, completing the transition. Continue this method working in one direction around the room.
14. In high moisture areas or certain situations, composite panels should be installed with silicone and/or non-corroding fasteners. Fasteners should be installed to fit snug but should not be over tightened. Carefully select the proper length and width of rivet fasteners for the covered project substrate.
15. When installing in ceiling, hold-down clips are used to secure panels in a suspended ceiling.
16. Clean panels, if required, after installation.

Cleaning Instructions: BPLite panels are designed for minimum care and maintenance. In most cases, you only need to use a clean, damp, non-abrasive cotton cloth and mild liquid detergent or household cleaner. Rinse with clean water, using a clean, non-abrasive cotton cloth. Dry the surface with a soft, clean, non-abrasive cotton cloth. When cleaning panels DO NOT USE abrasive cleaners, steel wool, sandpaper, or Scotch-Brite™ scouring pads.

