

TECHNICAL AND INSTALLATION GUIDE
NEXLAT STORAGE PANEL

NEXlat



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WHAT IS NEXLAT INTERLOCKING PANEL?

Designed to eliminate clutter and provide easy access to essential items, the NEXLAT interlocking PVC panel instantly adds storage and organization to: garage, basement, laundry room, warehouse, workshop, restaurant, store, etc.

The panel's bright, white finish is resistant to moisture, mold, bacteria, and most chemicals. The NEXlat system features tongue and groove slatwall panels that interlock together, hiding the fasteners for a smooth, easy-to-clean surface. Power wash or simply wipe down with a soapy sponge and water.



Whether you're a professional builder or DIYer, the NEXlat interlocking panel system is easy to handle, cut, and install — no special tools needed. They can be installed directly to studs or over drywall, providing wall storage space for work tools, sports and gardening equipment, and household cleaning supplies. Rigid, strong, and durable, NEXlat panel holds up to 75 pounds per square feet!

A versatile option for turning any wall into a functional storage space, NEXlat PVC panels can be installed in customized configurations: one section, half wall, or complete wall. In the case of a section or half wall, you can finish the rest of the wall with NEXkor PVC panels. Trims, also made in PVC, complete the work for a perfect look.

Compatible with most accessories (baskets, hooks, shelves) design for slatwall of 2.5".



BENEFITS

- *Designed for rigidity & strength*
- *Resistant to moisture & most chemicals*
- *Hidden fastener system*
- *Quick & easy installation*
- *Low maintenance – simply wipe down*
- *Class A smoke & flame spread*
- *Perfect for places where hygiene and sanitation are important*
- *Compatible with standard slatwall accessories*

NEXLAT STORAGE PANEL PERFORMANCE

Durability

Designed for demanding applications, the corrosion resistant surface of the NEXlat PVC panel is resistant to mold, moisture, mildew, and most chemicals.

Easy Maintenance

The NEXlat sheet requires minimal maintenance and cleans easily with a mild house hold cleaning solution or basic power washing.

The panel's water-resistant layer can also withstand many corrosive chemicals commonly found in garages, carwashes, and other industrial settings.

Product Specifications

The following chart provides an overview of the product specifications for the NEXlat panel (actual values may vary).

Note: To achieve 75 pounds per square foot loading capacity, use appropriate screw for substrate and fasten into every vertical stud. Approximately 16 inches apart (16" on-center).

PRODUCT SPECIFICATIONS		
Color	Pure White and Grey	
Panel width	6,01" (7,18" with pre-drill nailing flange)	
Panel length	96" (8 feet)	
Panel thickness	0,575" (36/64)	
Panel weight	0,694 lbs/per foot	
Fire rating	Class A	
Hygienic rating	Food zone, non-contact	
Warranty	Limited 20-year	

Chemical Resistance

The chemical resistance of PVC products differs significantly from the mechanism of corrosion of metals. Chemical attack on PVC sheet, where it occurs, consists generally of absorption of the chemical by the PVC sheet and its subsequent swelling. It is important to note that PVC sheets are generally not recommended for use with acetone, ketones, ethers, or aromatic and chlorinated hydrocarbons.

If you are unsure whether a specific chemical may damage the PVC board, contact us at: ventes@avenord.com

TRANSPORT, HANDLING AND STORAGE

Transport

- Use a sturdy pallet (or wooden crate) that is as long as the longest panel.
- Stack horizontally starting with longest panel on the bottom (longest to shortest).
- If using a pallet, secure panels to limit movement during transportation.
- Be careful not to crush the panels when you put on the straps.

Handling

- Even though PVC is durable, protect panels from abrasion while handling.
- To avoid unnecessary scratches, pick up and carry instead of dragging panels.
- Do not walk, jump, or drive on panels!

Storage

- Do not store PVC panels in direct sunlight or in a high heat enclosed space.
- Ideally, PVC panels should be stored in cool spot indoors on a flat, raised surface.
- Stack longest panel on the bottom (longest to shortest).
- Cover PVC panels with an opaque material that does not absorb or conduct heat.
- To avoid solar heat buildup between panels, make sure to cover the entire panel surface.
- If panels are shipped and packaged on a skid, make sure to cut all straps and loosen any 2x4's (wood framing) so the PVC panels are not restricted from expanding due to a confined environment.

Note: Original crating is not sufficient protection from solar heat gain damage. While in transportation and storage, keep panels out of direct contact with sunlight. Thick wooden boards work well to isolate panels while transporting or storing. Improper storage will void any warranty due to damage by direct sunlight or not being able to breath in a confined location.

BEFORE YOU START

Safety Tips

For safe installation of NEXlat panels, use ladders and/or scaffolding, protective goggles, a face mask, and other necessary safety equipment. Never leave unsecured panels unattended.

Installation Tools

Lightweight and easy to install, NEXlat panels can be fabricated on site and require no special equipment to install. Common tools needed: circular saw with fine tooth blade, drill and drill bit, tape measure, level, stud finder, box cutter, chalk line, snips, caulking gun, and a 100% silicone sealant.

Acclimate Panels

To avoid warping or deformation, store NEXlat PVC panels in the environment or room where panels will be installed for at least 24 hours before installation. This will minimize the amount of expansion or contraction after the panels are installed. Make sure to remove or loosen any packaging materials.

- Do not install panels until building is fully enclosed.
- Heating and cooling equipment should be in operation.
- All residual moisture from construction should be removed.
- Do not install panels in temperatures under 5°C (40°F) or above 30°C (86°F).

IMPORTANT INFORMATIONS

Please read this entire guide prior to installation.

The information provided in this guide is applicable for NEXlat panels. Methods for installing NEXlat alone or NEXlat and NEXkor panels together are different.

- Do not use in applications where the ambient or surface temperature of the panel will be above 50°C (122°F).
- Panels should not be used as a component of an air duct system.
- They are designed to be installed horizontally. **Do not install panels vertically!**
- Preplan layout of Slatwall and trims to achieve even spacing and alignment with adjacent work.
- If installing NEXlat panels to cover a full wall, provide 1/2" clearance at the top of the wall for expansion.

Note : NEXlat panels must be shielded from any radiant heat source with a minimum clearance of 18" between the radiant heat and the panel surface. Consult manufacturer of heater before installing panels. If installing an epoxy floor, make sure the spray does not get on the NEXlat panels.

INSTALL COMPONENTS

Before beginning your project, confirm you have all the necessary install components. Most projects will require one or more of the following:

NEXlat Trims

Several trim pieces are available, creating a finished, professional look.

Note: Trims have a minimum of 1/2" to 3/4" overlap to account for panel expansion and contraction of the panels.



J Trim

Provides finished, professional edge around panel.
Can be installed horizontally or vertically.

H Trim

Use as a vertical transition piece for joining two NEXlat panels together.

Inside/Outside Corner Trim

Use as a finishing trim where two panels meet at a corner.
Saves time and money by eliminating the need for two trim pieces.

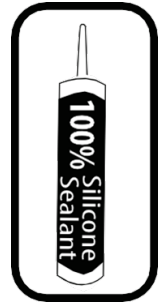
Transition H-Trim

Use as a transition trim between a NEXkor panel and a NEXlat panel.

Silicone Sealant

After NEXlat panels have been installed, a manufacturer approved 100% silicone sealant may be used to repair small holes, seal corners or trims, and fill gaps around fixtures. A one-part, neutral cure, white sealant is recommended. Always check product label to ensure PVC compatibility.

Unapproved sealants may chemically attack the panel and void the warranty.



Note: Painting PVC panels is not recommended. If painting is desired, check with manufacturer first to ensure paint compatibility. Paint thinner is highly incompatible with PVC and should never be used to remove paint from panel.

Fasteners

For a typical NEXlat installation:

- Panels should be fastened every 16" on-center.
- Each panel should be fastened with at least 6 fasteners.
- Always screw fasteners into center of pre-drill nailing flange.
- Fasteners should have a minimum of 1/16" between screw head and flange.
- Do not overtighten fasteners, allowing for panel expansion and contraction.

Recommended Fasteners

- Wood: #8 x 1-1/4" square truss head
- Metal: #8 x 1-1/4" square pan head
- Concrete: #11 x 1-1/4" Tapcon

Note: Do not use nails or staples. Only use fasteners recommended for your specific application. Length of screw is determined by specific installation.

If you have any questions concerning the install components required for your project, please contact us at: ventes@avenord.com

PANELS INSTALLATION

Cutting NEXlat Panel

Depending on the type of cut, common power or manual tools may be used. We recommend using a circular saw with a fine-tooth blade. For cutouts such as electrical boxes, a jigsaw works well. Always wear safety glasses, gloves, and hearing protection when using power tools.

- Before cutting, clamp panel to work surface to avoid vibration.
- If a circular saw is used, make sure to cut from the backside of panel.
- Set a guide for the saw edge to follow to help achieve a straight cut.
- Use a fine-tooth blade (12 to 16 teeth per inch) designed to cut plastic.
- Install the blade in the reverse direction.
- Move saw at a slow advance rate to avoid chipping or cracking.
- Clean panels of any debris before installing.

Note: For all cutouts, first drill a hole in a corner of the opening. Then, insert the jigsaw blade into the hole and cut along the marked lines of the opening.

Trims Installation and Tips

- Trim pieces may be cut using snips.
- Fasten trim pieces to a stud every 16" on-center.
- If layout requires continuous trim, butt pieces tightly together and seal with a bead of 100% silicone sealant.
- For water-tight corners at door and window openings, seal openings with a bead of 100% silicone.
- Leave a 1/4" (6 mm) clearance between NEXlat panel and trims to allow for panel expansion and contraction.

Note : To hide the top fasteners and create a finished look, we recommend capping off the panel with a trimmed J-Trim. Simply cut o the trim's pre-drill nailing flange with circular saw or snips. If needed, seal with 100% silicone sealant.

Planning NEXlat Panel Layout

- Determine overall height and width of the NEXlat panel layout, accounting for expansion/contraction.
- To ensure panels are installed straight, use a level to chalk a line on the wall the width of the overall layout.
- Use a stud finder to mark every stud location, making sure the panel layout starts and finishes on a stud.
- To help with fastener placement, we recommend marking where each stud is on floor and ceiling.
- If installing NEXlat panels on a concrete or block wall, install furring strips with 16" on-center spacing.
- For a proper installation, every screw needs to be fastened into a stud.
- To achieve 75 pounds per square foot loading capacity, panels must be installed 16" on-center.

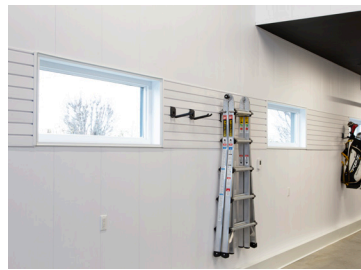
Note : Check with your local building code authority to confirm all insulation and vapor barriers are installed correctly prior to installing NEXlat panels.

NEXlat Panels Installation

Whether you're installing a complete wall with only NEXlat storage panels, or you want to install Nexlat panels on top of wall covering (like drywall) to create a framed style configuration or NEXlat zone, here are the options:



FRAME



NEXLAT ZONE

J Trim Installation

First put the trim horizontally at the bottom of the configuration and then overlap the other J trims vertically on both sides of the frame. For the top, another horizontal trim will be installed to close the top panel.

- Start at the bottom of the wall or configuration by installing a J trim horizontally (the widest side of the trim should be against the wall).
- Use a level to make sure the trim is installed straight.
- Fasten the horizontal trim at all studs except for the first and last stud.
- Next, using a level to ensure plumb, install a vertical J trim to the left side of the framed layout.
- Position the vertical trim so it overlaps bottom horizontal J trim where the two pieces meet, creating a corner.
- Fasten vertical J trim at the top and bottom of the pre-drill nailing flange (fasteners will be temporarily removed later in the install). Trim will stay in place thanks to NEXlat panels that will be screwed in place.
- Repeat the previous three steps to install the right-hand vertical J trim.

Note: For wet environments, drill 1/4" holes in the bottom edge of the horizontal J trim every 16" on-center for water drainage. This is especially important if the walls will be power washed.

Nexlat Panel Installation

Slide the panels into the frame, snap them into place and screw them in. Don't forget to leave room for expansion and contraction.

- Insert the first panel between the two vertical J trim pieces, 'bowing' the panel slightly if needed.
- Slide the panel down into the bottom horizontal J trim until it fits fully, using a level to make sure it is straight.
- Fasten the panel through the pre-drill nailing flange at every stud (16" on-center), including the panel ends where the J trim pieces overlap.
- Repeat these steps to the last panel.
- Temporarily insert the last panel into the J trim frame and place small marks on the vertical J trim pieces to indicate the top edge of the panel. Then remove the panel.
- Using snips, carefully cut off the top portion of the trim at the marked spots.
- Reinsert the last panel and 'push and snap' it into place. Screw as shown above in the third point.
- For a finished look, we recommend capping off the top of the last panel with a trimmed J trim. Simply cut off the trim's nailing flange (at the back) with a snips and slide onto the top of the last panel. If needed, seal with 100% silicone sealant.

If you have any questions concerning the installation, please contact us at: ventes@avenord.com

Option to install NEXlat panel without trims

NEXlat panels may be installed without a 'J trim frame', however, the fasteners will be visibly exposed.

- Starting at the bottom of the NEXlat panel layout, position the first NEXlat panel.
- Use a level to make sure the first panel is installed plumb and straight.
- Fasten the panel through the pre-drill nailing flange at every stud (16" on-center), including the panel ends.
- With light pressure, slide the second panel into the first panel and 'push and snap' it into place.
- Align the edges of the two panels and fasten the panel into studs per prior steps.
- Repeat these panel installation steps until layout is finished.

Option to install NEXlat panel side by side

If an application requires installing two or more panels 'side by side' (next to each other), follow the installation steps mentioned above (**Nexlat Panel Installation**) using one of these following options:

- Option #1 : install two J trims vertically «back to back».
- Option #2 : install an H trim vertically to join two panels together.

Option for NEXlat corner application

If an application requires that two NEXlat panels layout to meet in a corner, follow the installation steps mentioned above (**Nexlat Panel Installation**) using one of these following options:

- Option #1 : install two J trim pieces in the corner, allowing panels to slide into the vertical channels.
- Option #2 : install an inside/outside corner trim vertically to join two panels together.

NEXlat Panel with NEXkor Panel Installation

Finition with 4 transition trims

In order to accurately determine the overall dimensions of your NEXlat layout, it is very important to factor in panel overlap when installing NEXlat panels with NEXkor panels.

NEXlat panels may be installed in a vertical or horizontal wall application.

- In accordance with the layout of the wall panels, take into account the position where you want to end the top of your Nexlat configuration and thus adjust the height at which you will need to start the installation. You will need to install the NEXkor panels at the bottom of your location before starting the installation of the NEXlat.
- Make sure the NEXlat panel opening starts and finishes on a vertical stud.
- Using a level, install a transition H trim at the bottom of your configuration area, joining the NEXkor panels. It's nicer to cut corners at 45 degrees.
- Using a level, install a transition H trim to the left and right of the panel opening, cutting the top and bottom ends at 45 degrees.
- Insert the first NEXlat panel between the two H Trim pieces, 'bowing' the panel slightly if needed.
- Slide the NEXlat panel down onto the NEXkor panel, overlapping the top edge of the liner panel.
- Using a level, make sure the panel is straight before fastening.
- Fasten the NEXlat panel through the nailing flange at every stud (16" on-center). Do not overtighten!
- Position the second panel between the two vertical J trim pieces and slide it down to the first panel.
- With light pressure, gently 'push and snap' the second panel into place, interlocking it with the first panel.
- Confirm the panel is straight and fasten it through the flange to each stud (16" on-center), including the ends of the panel where it overlaps with the vertical J trim pieces.
- Repeat these steps until the last NEXlat panel.
- Take the last Nexlat panel and remove 1/2" from the top of the panel along the entire length (follow the drill line).
- Temporarily insert the last NEXlat panel into the J trim frame and place small marks on the vertical J trim pieces to indicate the top edge of the panel. Then remove the panel.
- Using snips, carefully cut off the top portion of the trim at the marked spots (a 45 degrees cut provides a more beautiful finish).
- Reinsert the last slatwall panel and 'push and snap' it into place. Insert transition trim on the top and screw it. The last NEXlat panels will fit in the top thanks to the screwed trim.

Finition with 3 transition H trims

- Using a level, install a transition H trim to the left and right of the panel opening, cutting the top ends at 45 degrees.
- Insert the first NEXlat panel between the two H trim pieces, 'bowing' the panel slightly if needed.
- Slide the NEXlat panel down onto the NEXkor panel, overlapping the top edge of the liner panel.
- Using a level, make sure the panel is straight before fastening.
- Fasten the NEXlat panel through the nailing flange at every stud (16" on-center). Do not overtighten!
- Repeat the previous steps mentioned above.

Note: If installing NEXlat storage panels in a corner, use the inside/outside corner trim. All trims have a minimum of 1/2" to 3/4' overlap to account for panel expansion and contraction. NEXlat trims will not work with NEXkor panels.

If you have any questions concerning the NEXlat panels installation, please contact us at: ventes@avenord.com

CLEANING

Cleaning NEXlat panels periodically will help prolong the life of the panels. Use of incompatible cleaning products may cause structural and/or surface damage to the panel.

- To remove dirt and debris, wash with a soft cloth and mild cleaning solution.
- Abrasive cleaning agents or pads should never be used as they may scratch the panel's surface.
- Regular rinsing of panels with clean lukewarm water is sufficient in dry areas.
- For hard to clean areas, a small to mid-sized power washer may be used. Keep nozzle 4 to 6 feet away from panel and use a wide spray to distribute water pressure.

ADDITIONAL INFORMATION

If you need more information about the installation or technical aspect of the panels, please contact your Plast-X representative.

If you have a specific question about requirements in your region, contact your local code office or building inspector. Written or verbal information, recommendations or advice provided by Plast-X's employees or partners are given in good faith, and are, to the best of their knowledge, accurate and up-to-date.

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