EZ SLATWALL INTERLOCKING PANEL

Technical & Install Guide

Focused on the Customer Experience

AMERILUX
INTERNATIONAL

Contents

About AmeriLux International

AmeriLux is a value-adding distributor of multiwall and corrugated polycarbonate sheets, PVC liner panels, HDPE panels, acrylic sheet, and many other plastic sheet products. Our products are used in a variety of glazing, cladding, and daylighting applications in the industrial, agricultural, horticultural, residential, and architectural markets.

Headquartered in De Pere, Wisconsin, AmeriLux sources and distributes materials from and to companies around the world. It is by building and maintain strategic, win-win partnerships with vendors, customers, and employees that AmeriLux is able to profitably – and sustainably – grow its business.

What is EZ Slatwall Interlocking Panel?

Designed to eliminate clutter and provide easy access to essential items, the EZ Slatwall interlocking PVC panel instantly adds storage and organization to laundry rooms, art and craft areas, basements, garages, workshops, restaurants, and retail spaces.

The panel's bright, white finish is resistant to moisture, mold, bacteria, and most chemicals. The EZ Slatwall system features tongue and groove slat wall 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 EZ Slatwall interlocking panel system is easy to handle, cut, and install — no special tools needed. This PVC slat wall panel 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, EZ Slatwall holds up to 75 pounds per square feet!

A versatile option for turning any wall into a functional storage space, EZ Slatwall PVC panels can be installed in customized configurations — one section, half wall, or complete wall. EZ Slatwall is also compatible with standard slatwall accessories, adding a finished, professional look to any project.

- **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**
- **Hygienic Requirements - Food Zone, Non Contact**
- **Compatible w/Standard Slatwall Accessories**

Performance of EZ Slatwall Panel

Durability

Designed for demanding applications, the corrosion resistant surface of the EZ Slat Wall PVC panel is resistant to mold, moisture, mildew, and most chemicals. In addition, the panels surface is easy to clean.

Easy Maintenance

The EZ Slat Wall PVC panel 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 EZ Slatwall PVC 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	Ultra White	
Panel Width	6.01" (w/Nailing Flange 7.18")	
Panel Length	96" (8 ft.)	
Panel Thickness	0.575"	
Panel Weight	0.694 lbs./ft.	
Fire Rating	Class A	
Hygienic Rating	Food Zone, Non-Contact	
Warranty	Limited 20-Year Warranty	

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. For a complete list of chemicals and corrosive media, please call us at 800-602-4441 or send an email to info@amerilux.com. It is important to note that PVC sheets are generally not recommended for use with acetone, ketones, ethers, or aromatic and chlorinated hydrocarbons.

Transportation, Handling & Storage

Transportation

- 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.

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.
- If PVC panels are kept outdoors, cover and store in a dry place out of direct sun.
- 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 EZ Slatwall panels, use ladders and/or scaffolding, protective goggles, a face mask, and other necessary safety equipment.

Tools

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

Acclimate Panels

To avoid warping or deformation, store EZ Slatwall 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 slat wall 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 40° Fahrenheit (5° Celsius) or above 86° Fahrenheit (30° Celsius).

Important Information

Please read this entire guide prior to installation. The information provided in this guide is applicable for EZ Slatwall panels. Methods for installing EZ Slatwall alone or EZ Slatwall and EZ Liner panels together are different.

- Do not use in applications where the ambient or surface temperature of the EZ Slatwall panel will be above 122° Fahrenheit (50° Celsius).
- EZ Slatwall panels should not be used as a component of an air duct system.
- EZ Slatwall panel are designed to be installed horizontally. Do not install panels vertically!
- Preplan layout of EZ Slatwall and trims to achieve even spacing and alignment with adjacent work.
- If installing panels to cover a full wall, provide 1/2" (12mm) clearance at the top of the wall for expansion.

Note: EZ Slatwall panels must be shielded from any radiant heat source with a minimum clearance of 18" (450mm) 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 EZ Slatwall panels.
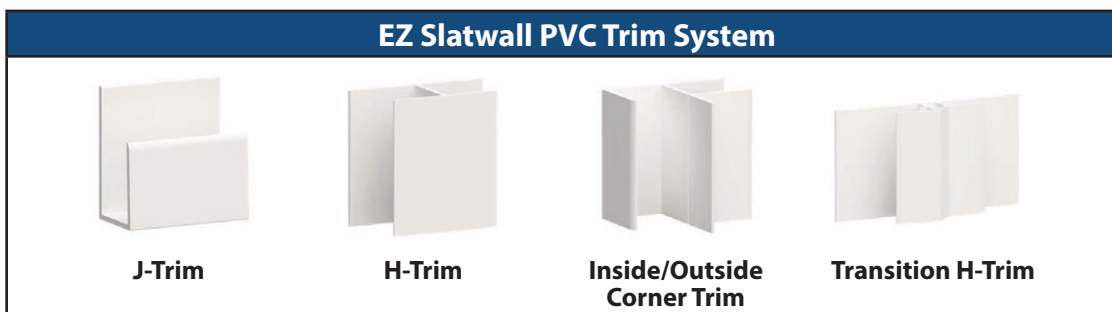
Install Components

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

EZ Slatwall Trim Pieces

EZ Slatwall has several trim pieces available, creating a finished, professional look. Standard trim length is 96" (8'). Reference chart below.

Note: All EZ Slatwall trims have a minimum of 1/2" to 3/4" overlap to account for panel expansion and contraction.

EZ Slatwall PVC Trim System

| J-Trim | H-Trim | Inside/Outside Corner Trim | Transition H-Trim |

EZ Slatwall J-Trim
- Provides finished, professional edge around panel.
- Can be installed horizontally or vertically.

EZ Slatwall H-Trim
- Use as a vertical transition piece for joining two EZ Slatwall panels together.

EZ Slatwall Inside/Outside Corner
- Use as a finishing trim where EZ Slatwall panels meet at a corner.
- Saves time and money by eliminating the need for two (2) trim pieces.

EZ Slatwall Transition H-Trim
- Use as a transition trim between an EZ Liner™ panel and an EZ Slatwall panel.

Silicone Sealant

After EZ Slatwall 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 EZ Slatwall application:

- Panels should be fastened every 16" on center.
- Each panel should be fastened with at least 6 (six) fasteners.
- Always screw fasteners into center of 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 AmeriLux International at 888.602.4441 or send an email to info@amerilux.com.

EZ Slatwall Panel Installation

Cutting 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.
- 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.

Trim Installation & Tips

- Trim pieces may be cut using tinsnips. For a clean cut, do not close blades completely. Cut per EZ Slatwall layout.
- 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" (6mm) clearance between Slatwall 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 off the trim's nailing flange with circular saw or tinsnips. If needed, seal with 100% silicone sealant.

Planning EZ Slatwall Panel Layout

- Determine overall height and width of the EZ Slatwall 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 EZ Slatwall 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 EZ Slatwall panels.

EZ Slatwall Panel 'Only' Installation

Trim 'Frame' Install

When only installing slatwall panels, we recommend 'framing' the EZ Slatwall layout with J-Trim. Install the bottom horizontal J-Trim first, followed by overlapping the vertical J-Trims on both sides of the layout. A top horizontal J-Trim will be used to 'cap off' the top panel.

- Start at the bottom of the Slatwall panel layout and install a horizontal bottom J-Trim.
- The wider side of the horizontal bottom J-Trim should sit flush against the wall.
- Use a level to make sure the horizontal bottom J-trim is installed straight.
- Fasten the horizontal bottom J-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 Slatwall panel layout.
- Position the vertical J-Trim so it overlaps bottom horizontal J-Trim where the two pieces meet, creating a corner.
- Fasten the vertical J-Trim at the top and bottom flanges (these fasteners will be temporarily removed later in the install).
- Repeat these steps to install a vertical J-Trim to the right side of the Slatwall panel layout.

Note: For wet environments, drill 1/4" (6mm) holes in the bottom edge of the horizontal J-Trim every 16" (400mm) on center for water drainage. This is especially important if the walls will be power washed.

Panel Install

Installing EZ Slatwall panels is easy. Simply slide the panels into the J-Trim frame, snap panels in place, and fasten. Don't forget to account for panel expansion and contraction.

- Insert the first slatwall 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 nailing flange at every stud (16" on-center), including the panel ends where the J-Trim pieces overlap.
- 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 slatwall panel.
- Temporarily insert the last slatwall panel into the J-Trim frame and place 'small marks' on the vertical J-Trim pieces to indicate the top edge of the panel. Remove the panel.
- Using tinsnips, carefully cut off the top portion of the vertical J-Trim pieces at the marked spots.
- Reinsert the last slatwall panel and 'push and snap' it into place. Fasten into studs per prior steps, including ends of the panel where it overlaps with the vertical J-Trim pieces.
- 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 with a tinsnips and slide onto panel. If needed, seal with 100% silicone sealant.

If you have any questions concerning the install of EZ Slatwall panels, please contact AmeriLux International at 888.602.4441 or send an email to info@amerilux.com.

EZ Slatwall Panel 'Only' Installation Options

EZ Slatwall Section Without Trims

EZ Slatwall panels may be installed without a 'J-Trim frame', however, the fasteners will be visibly exposed.

- Starting at the bottom of the Slatwall panel layout, position the first slatwall panel.
- Use a level to make sure the first slatwall panel is installed plumb and straight.
- Fasten the panel through the nailing flange at every stud (16" on-center), including the panel ends.
- With light pressure, slide the second slatwall 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 Slatwall layout is finished.

EZ Slatwall 'Side by Side' Panels

If an application requires installing two (2) or more slatwall panels 'side by side' (next to each other), follow the panel installation steps on page 7 using one of these trim options.

- Option 1: Install two (2) J-Trim pieces vertically 'back-to-back'.
- Option 2: Install an H-Trim vertically to join two (2) slatwall panels together.

EZ Slatwall 'Corner' Application

If an application requires an EZ Slatwall layout to meet in a corner, follow the panel installation steps on page 7 using one of these trim options.

- Option 1: Install two (2) 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 (2) slatwall panels together.

EZ Slatwall with EZ Liner Panel Installation

In order to accurately determine the overall dimensions of your Slatwall layout, it is very important to factor in panel overlap when installing EZ Slatwall panels with EZ Liner™ panels. EZ Slatwall panels may be installed in a vertical or horizontal EZ Liner™ wall application.

- Per the wall panel layout, start by installing EZ Liner™ Panels to the 'top' of the Slatwall panel opening.
- Make sure the Slatwall panel opening starts and finishes on a vertical stud.
- Next, install a vertical Transition H-Trim to the left and right side of the Slatwall panel opening.
  - Horizontal J-Trim is not needed because the EZ Liner™ panels should sit 'behind' the top and bottom EZ Slatwall panels, hiding the fasteners.
- Insert the first slatwall panel between the two H-Trim pieces, 'bowing' the panel slightly if needed.
- Slide the slatwall panel down onto the EZ Liner™ panel, overlapping the top edge of the liner panel.
- Using a level, make sure the slatwall panel is straight before fastening.
- Fasten the slatwall 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 slatwall panel.
- Temporarily insert the last slatwall panel into the J-Trim frame and place 'small marks' on the vertical J-Trim pieces to indicate the top edge of the panel. Remove the panel.
- Using tinsnips, carefully cut off the top portion of the vertical J-Trim pieces at the marked spots.
- Reinsert the last slatwall panel and 'push and snap' it into place. Fasten into studs per prior steps, including ends of the panel where it overlaps with the vertical J-Trim pieces.
- Install the remainder of the EZ Liner™ Panels per the recommended guidelines.

Note: If installing slatwall in a corner, use the Inside/Outside corner trim. All EZ Slatwall trims have a minimum of 1/2" to 3/4' overlap to account for panel expansion and contraction. EZ Liner™ trims will not work with EZ Slatwall panels.

If you have any questions concerning installing EZ Slatwall panels, please contact AmeriLux International at 888.602.4441 or send an email to info@amerilux.com.

For information regarding installing EZ Liner™ panels, please click the EZ Liner™ Interlocking Panel Technical and Install Guide or scan the QR code.

Scan me!

Cleaning

Cleaning EZ Slatwall 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 4-6 feet away from panel and use a wide spray to distribute water pressure.

Recommended Cleaners

- Nu-Wall by Arcadian Services 1-800-289-7627
- Solutions Plus by Solutions Direct 1-855-225-2700
- Vision Wall Cleaner by VER-TECH Labs 1-877-866-9742

If you have any questions about EZ Slatwall panels, please contact AmeriLux International at 888.602.4441 or send an email to info@amerilux.com.

Additional Information

If additional technical or installation information is needed, please contact AmeriLux International. If you have a specific question about requirements in your region, contact your local code office or building inspector.

Drawings and technical reports are provided for reference only. Drawings are not project-specific and are for product representation only. Actual products may vary. These drawings are the property of AmeriLux International and are to be used solely as a representation of AmeriLux products. These designs may not be recreated or produced without the expressed, written consent of AmeriLux.

All information, recommendations, or advice given by AmeriLux International employees or partners, written or oral, is given in good faith and is thought to be accurate and current. It is the responsibility of each product user to ensure the product is used in compliance with current environmental and legal requirements specific to each product application. AmeriLux International and its partners will not be held liable for incorrect or improper use of its products.

AMERILUX HEREBY DISCLAIMS ANY WARRANTIES, EXPRESS OR IMPLIED, INCLUDING IMPLIED WARRANTY OF MERCHANTABILITY AND/OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. AMERILUX SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES.