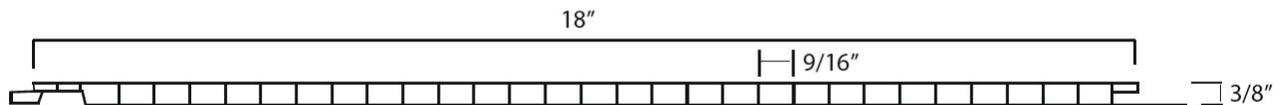


PVC Liner Panel

INSTALLATION GUIDE



Panel Specifications....



Lengths Available: 10', 12', 16', 20'

IMPORTANT

Ensure proper storage and installation procedures are followed. Improper installation and storage techniques may cause buckling, warping and discoloration of the PVC panel, causing permanent damage.

INTRODUCTION

Please read the entire installation guide prior to installation for proper/recommended installation techniques for PVC wall and ceiling panels. Improper installation, storage and handling can cause permanent damage to the PVC panels.

STORAGE/HANDLING

- Improper storage in direct sunlight or storage in confined or hot spaces can cause discoloration and warping, causing permanent damage to PVC panels.
 - All straps/banding and any lumber/crating should be cut and loosened upon receiving material to avoid buckling or warping due to expansion.
 - PVC material should be climatized for a period of at least 48 hours in the location of installation to allow for any expansion/contraction. Panels should be allowed to warm to a minimum of 5 degrees celsius. Failure to do so may result in expansion/contraction after installation, causing damage to the PVC panels.
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RECOMMENDED TOOL LIST

- | | | |
|-----------------|-----------------------------------|----------------|
| - Level | - Ladder/Scaffold | - Drill |
| - Utility Knife | - Rubber Hammer | - Caulking Gun |
| - Tin Snips | - Square/Straight Edge | - Chalk Line |
| - Tape Measure | - Circular Saw w/fine tooth blade | - Putty Knife |
| - Marking Pen | | |

PREPARATION

- Prior to insatalling PVC panels, ensure surface is straight and any required strapping is installed. Ensure any required vapour barriers are installed to code prior to installing PVC panels.
 - Any required strapping or wood blocking should be installed to support the intallation of any required trim as well as any required backing for the installation of any suspended lighting/fans etc.
 - PVC panels should be installed and run perpendicular to ceiling joists, roof trusses and strapping. Additional 1"x 4" or 2" x 4" strapping should be installed where required and should run perpendicular to the framing members every 16" to 24". 7/16" OSB can also be used as solid sheathing with PVC panels installed over top.
 - PVC panels can sit flush with the floor in dry locations. In wet locations such as car wash bays, PVC panels should sit 1" off the floor with J trim installed at the bottom of the panel, 1/2" to 1" off the floor. Holes should be drilled into the bottom of the J trim for drainage purposes every 16" or where required.
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PARTS LIST

- PVC Panels (12', 16', 20')
- PVC Trim (J Trim, H Trim, Base Trim, Inside Corner Cove Trim (ICC))
 - Fasteners
 - Caulking

BASIC INSTALLATION NOTES

- If installing wall and ceiling panels, install ceiling panels first. Know your layout as the the first panel and last panel should be at least 8" wide.
- Fasteners - only corrosion resistant fasteners should be used to install PVC panels. Galvanized, stainless steel or aluminum screws or nails should be used. The recommended fastener length is 1-1/4" with 1/4" low profile pancake head. In wet locations, stainless steel fasteners should be used.
- Do not over tighten fasteners. PVC panels should be able to slide freely after installation to allow for expansion and contraction over time. If the panel cannot slide freely then the fasteners have been overtightened and can lead to futue warping on bucking due to expansion and contraction. There should be a 1/16" gap between the back of the fastener head and the nailing strip on the PVC panel. Fasteners should be fastened in the centre of the nailing slots. Do not use staple or power nailing guns when installing. Do not apply fasteners to the face of the panel, this will inhibit the ability for the panel slide freely for expansion and contraction.
- PVC panels should only be installed in temperatures above 5 degrees celsius after a 48 hour climatization period has occured. Failure to do so may result in future damage to the panel from expansion/contraction.
- PVC panels should not be used in areas where temperatures exceed 45 degrees celsius and should not be installed within 24" of radiant heaters, radiant should be shielded.
- When caulking to seal corners or around fixtures, use a one part neutral cure silicone sealant.
- Proper protective gear including eyewear and gloves should be worn while installing and/or cutting PVC panels.
- It is recommended that a gap of 1/4" at either end of horizontal ceiling installs be provided and a gap of 1/2" at the top of vertical wall installs be provided to allow for any expansion.
- It is recommended to have a 1/8" gap between panels when installing in cooler temperatures below 8 degrees celcius to allow for any future expansion due to warming in the location in which the panels are being installed.

CEILING INSTALLATION

If installing panels on both ceiling and walls, install the ceiling panels first

1. If applying sag and bag insulation behind the pvc panel, proper strapping is recommended to avoid pressure on the pvc panel which may cause a sagging or bowing appearance after installation.
2. Use a chalkline to create a straight line across the ceiling to help properly align panel ends during installation.
3. Install the first panel (ensure the first and last panel will be at least 8" wide). Ensure a 1/4" gap is left at both ends of the PVC panels to allow for expansion. A larger gap at panel ends is recommended for panels longer than 16' in length. Insufficient gap sizing may lead to warping or buckling of the panel due to future expansion. Fasten the panel to the ceiling joists or strapping with Pancake head fasteners fastened into the centre of the nailing flanges every 16" to 24". Do not overtighten the fasteners as the panels need to be able to slide to allow for expansion. Fasteners should be applied 4" from the end of the panel.
4. Ensure the first panel is square then proceed with installing the second PVC panel ensuring a 1/4" at both end. Interlock the panel so it is flush with the first panel and push together to ensure a clean joint between the panels. A 1/8" gap is recommended between panels to allow for future expansion. Fasten the panel and repeat for the remaining PVC panels.
5. If the ceiling is longer than the sheet lengths an H Trim can be installed at the end of the first sheet. Leave 1/4" gap for expansion and fasten the H Trim on the other side to the wood supports at 24" on center. A second run of PVC sheets can then be installed into the H Trim leaving a 1/4" at the end for expansion. Monitor the joints to ensure panels continue to remain aligned while installing.
6. Once all of the ceiling panels are installed, move on to the wall panel installation steps.

WALL INSTALLATION

If installing panels on both ceiling and walls, install the ceiling panels first

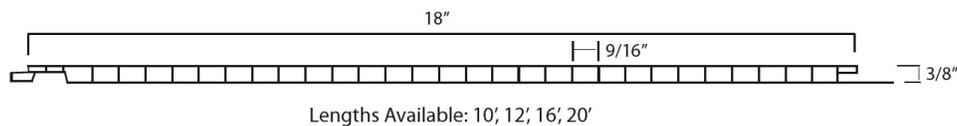
1. Use a chalkline to create a straight line horizontally across the base of the wall and a vertical line for the edge of the first panel to help properly align panels during installation.
2. If installing panels in wet locations such as a car wash bay, begin by installing a J trim or Base trim along the bottom of the wall at least 1" above the top of the slab or finished floor. Drain holes can be drilled every 16" in the J trim or Base trim to allow for water drainage.
3. Next, install inside corner trim (ICC) by installing one corner panel first then overlay the ICC trim on the panel and fasten the trim before installing the second corner panel.
4. If the top of the panels will be covered by another ceiling finish then begin installing the PVC panels starting with the first panel at the corner. The first and last panel should be at least 8" wide. If the top of the panels will not be hidden by another ceiling finish, then install inside corner trim (ICC) or J Trim at the top of the wall then begin installing PVC wall panels. Panels may need to be bowed then fit into the trim openings using a putty knife. Leave a 1/2" gap between the top of the wall panel and the trim to allow for any expansion. Secure the PVC panels to the wall using a Pancake head fastener, fastened in the centre of the nailing strip. Fasteners should be applied every 16" to 24". Do not over tighten fasteners as installed panels should be able to slide freely to allow for expansion.
5. Ensure the first panel is square then proceed with installing the second PVC panel. Interlock the panel so it is flush with the first panel and push together to ensure a clean joint between panels. A 1/8" gap is recommended between panels to allow for expansion. Use a putty knife to slide the panels into the trim if required. Fasten the panel and repeat for the remaining PVC panels.
6. If the wall is longer than the sheet lengths an H Trim can be installed at the end of the first sheet. Leave 1/4" gap for expansion and fasten the H Trim on the other side to the wood supports at 24" on center. A second run of PVC sheets can then be installed into the H Trim leaving a 1/4" at the end for expansion.

CLEANING

- Cleaning and removal of dirt and grim can be done with a general mild cleaning solution, applied with sponge or soft bristled brush. It is recommended to test any cleaning solvents on a small area prior to cleaning to ensure the cleaning solvent does not damage the pvc panels.
- The following cleaners are not recommended to be used
Paint thinner, pine power, clorox, tide power, grease relief, nail polish remover
- Always wear protective eye and skin protection when using cleaning agents

TRIM/ACCESSORIES

Panel Specifications....



Trim/Accessories....



All trim is supplied in easy to handle 12' long pieces.



Wafer Sharp/ Wafer Tek