

EXTRUTECH PLASTICS, INC

"Manufacturer of American Made Wall and Ceiling Panels"



EXTRUTECH

ISO 9001:2008 Certified for Quality

P224 Partition Wall Panel Installation

2 1/4" - Corrosion-Proof Panels

Product Size: 2 1/4" x 24" wide, rigid PVC panels

Available Lengths: Cut to the Inch (4' – 24' Foot)

Installation - P224 Partition Wall (over view)

1. Clear work area for wall installation and cordon off work area.
2. Install wall system in accordance to instructions and project details, at locations indicated on the drawings and to builders direction.
3. Review proper tools, safety equipment and lifts are on hand; in good working order.
4. Layout wall position on floor and plumb to ceiling. Mark plumb line on side walls.
5. Install perimeter trim: first base channel, side and top (channel or angle) install additional base channels, as you install wall panels.
6. Cut panels lengths 1/4"- 3/8" short of inside channel dimension (allow ceiling movement)
7. Install first panel, tip up and slide into place, plumb panel edge, secure to channels w/ fasteners, 2-4' foot apart down the side channel. Installing (2) fasteners per panel; w/bolts at top & screws at bottom.
8. Install next panel - slide into place so edges of first and second are snug together, check for plumb and secure in place as first. Repeat process to last panel.
9. Continue to install trim and panels as you work the length of the wall.
10. Cut last panel to required width (allow for panel expansion) install wall trim using angle or channel; or cap end of wall with U-channel.

Warnings and Special Notes

Read and follow all safety instructions.

Read and follow product specifications and warranty before installation.

Warranty is void if panels are not installed according to instructions.

Keep panels 24" from Heaters and shield Radiant Tube Heaters.

Panels are made to be installed vertically, contact Extrutech to review other methods.

Steel reinforcement can be installed in the panels as an option (review with builder).

Door and widow opening options also available contact Extrutech about this option.

Insulated panels are available contact Extrutech about this option.

ALLOW for panel, structure movement and expansion when planning installation.

DO NOT USE Staples or Nails to hold panels in place.

DO NOT USE Hilti® or 22 type nailing gun to hold panels in place.

Clean work area

Clean work area for wall installation allowing 15 - 20 ft area for tipping up wall panels.

Mark wall position on floor and plumb to ceiling. Mark plumb line on side walls and ceiling.

EXTRUTECH PLASTICS, INC.

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Panel cutting instructions

Read and follow all Safety Instructions for power and hand tools

Wear eye and ear protection and hard hats.

Cut through product slowly, don't rush.

Powered miter saw with fine tooth blade.

Temperature is a factor when working with vinyl. Warm weather is no problem but cold temperatures can create some issues.

Install perimeter mounting trim

1. Floor trim installation - starting at one end, apply two beads of water proof caulk* 1/2" in form edge of base channel; install (channel or angle) along the edge of marked plumb line and secure in place with fasteners; example: (1/4" x 1 3/4" Masonry (Tapcon) Hex Head), ** Install fastener 24"-30" on center - typical for all trim installations. **

2. Wall trim Installation - From the same starting point plumb and install vertical channels, setting the side wall channel so one end is resting on the top edges of the base channel on the floor, checking for plumb before final tightening. If another channel is required on the side walls, add to reach required height. Butt the ends together. Check that it is plumb and inline with the first and secure with same fasteners. There should be a 1 1/2" space to the ceiling for the Ceiling channel or angle that is to be mounted to the ceiling.

3. Ceiling trim (channels or angles) can now be installed. The ceiling may require some type of structural framing that the trim (channels or angles) can fasten securely to, using a minimum of 2x4 lumber framing or 18 gage 1x3" steel channels installed 2 ft. on center.

Panel Installation

Cut Panels lengths 1/4" - 3/8" short of inside channel dimension to allow for ceiling movement (review ceiling deflection with builder) and panel expansion.

Taller panels will require an aerial or scissor lift to safely raise panels.

Install first panel, tip up and slide into place, plumb panel edge.

Secure Panels

Secure plumb panels to (channels/angles) w/ fasteners, 2'- 4' foot apart down the side wall channel and (2) fasteners per top and bottom of each panel; using 1/4" x 2 3/4" bolts thru the panels at top & screws at bottom. With the panels secured properly at the top and bottom and the use of the panels large tongue and groove edge; fasteners are not required on the face of the panel, unless as determined by builder additional support is required, due to wall height, wind loads, air pressure changes or other effects.

Install Next Panels

Install next panel - Slide into place so edges of first and second are snug together, check for plumb and secure in place as first at the top and bottom. Repeat process to last panel. Continue to install trim and panels as you work the length of the wall. No fasteners required along edge of panel face. Wipe panels of construction dust as installing.

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Installing Last Panel

Cut last panel to required width (allow room for panel edges to fit together) install wall trim using angle or channel; or cap end of wall with U-channel. Secure panel at the top and bottom as previous and along the side wall channel as the first.

Cleaning and Maintenance of Panels

Clean the panel of any grease marks with 409 cleaner, a citrus cleaner or Extru-Brite (available through Extrutech Plastics, Inc. 888 818 0118) and review our Maintenance and Cleaning instructions for additional information.

Recommended Fasteners and Suppliers:

Note: Fasteners can be provided with panels if requested during the quoting process or purchased locally

Fasteners

Supplier: **FASTENAL** www.fastenal.com

Applications: - Please read and follow fastener's preparation and installation instructions.

Masonry applications (Base Channel installation)
($\frac{1}{4}$ " x $1 \frac{3}{4}$ " Masonry (Tapcon) Hex Head

Panel Fasteners

($\frac{1}{4}$ x $2 \frac{3}{4}$ " Stainless Bolts(70014) w/lock nuts (70860) and washer (71013)
(# 10 x $1/2$ " Thread cutting (0144126) (Hex Head)

Sealant - Silicone Caulk

Supplier: DAP www.dap.com Silicone Rubber Sealant, Caulk
Purchase through local Building Supply Center

Description:

Clear 100% Silicone Rubber Sealant, Caulk

Construction Adhesive - PL400® or Liquid Nails®

Supplier: Loctite® Purchase through local Building Supply Center

Description

PL400® Heavy Duty Construction Adhesive, Caulk.
Liquid Nails® Duty Construction Adhesive, Caulk.



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