



DELPRO1238

INTERLOCKING PVC PANEL

Installation Manual

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Delpro 1238® Installation Manual

Ceiling Panel Installation

SECTION 1.1 CEILING PRIOR TO WALLS

If you are installing panels on both walls and ceiling, it is recommended to do the ceiling first. The ceiling can also be installed at a later date.

- See Warnings on Radiant Tube Heater Installation - *Section 5.3*
- See Special Notes for installation in cold temperatures - *Section 5.1*
- See Recommended Fasteners - *Section 4.1*

SECTION 1.2 RECOMMENDED MAXIMUM PANEL SPAN

Maximum recommended panel span is 24" between ceiling trusses.

SECTION 1.3 INSULATION

If your building is going to be insulated, you should install 3 Mil Poly sheeting as a vapor barrier on walls and ceilings BEFORE installing panel

SECTION 1.4 COMPLIANCE

Prior to installing panels ensure that both your project and product are in compliance with all applicable building codes in your area.

SECTION 1.5 INSTALLATION

Step 1. Panels should run 90 degrees opposite to the ceiling trusses or furring strips (strapping).

Step 2. Use either J-Trim or Inside Corner around the perimeter of ceiling.

- J-Trim is recommended if you are only installing ceiling panels and should be installed around the perimeter of the ceiling prior to ceiling panel installation. J-Trim is installed to the ceiling, with the widest part of the trim attached to the ceiling and opening toward the center of the ceiling.
- If Inside Corner is used, it can be installed around the ceiling perimeter
 1. before or 2. after your ceiling panels are installed (only when installing both wall and ceiling). 1. Install prior to ceiling installation with the widest part of the trim attached to the ceiling and opening toward the center of the ceiling. 2. If installing wall panels, Inside Corners are fastened into the building wall, tight against the bottom of the ceiling panels with the opening facing down to the floor, creating the top channel for wall panels.

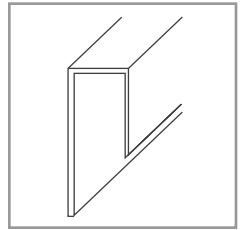
Step 3. Cut panels 1/2" shorter than actual measurement to allow for panel movement, installing the panels 1/4" in from each end.

Step 4. Begin by taking the first panel and placing it at one end of the ceiling with the tongue facing the wall and the nailing fin facing away from the wall. Slide the panel into the trim installed as described above (for ceiling installation only). Adjust panel so it is running parallel with the outside wall. Fasten the panel through the nailing fin screw holes, at each truss, or every 16"-24"; recommended fasteners listed in *Section 4.1*.

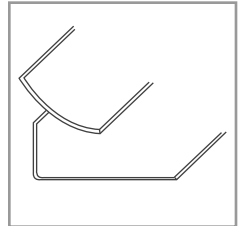
Step 5. Install the remaining panels by inserting the tongue of the new panel into the groove of the previous panel and push the panels together. Ensure that the panels are running square to the wall then proceed and install the remaining ceiling panels.

Step 6. The last panel you may have to rip it down to fit. Measure your remaining space, using the distance at the panel edge, not the nailing fin edge. Rip the panel 1/4" narrower than your measurement. (*See Section 3.1*) If trim has been installed apply a small bead of construction adhesive (*recommend type: Section 4.1*) to the
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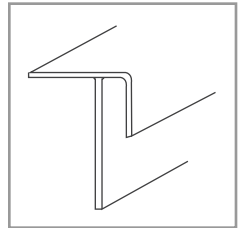
TRIM



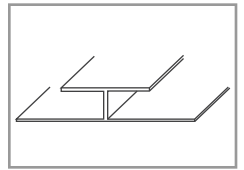
"J" Trim



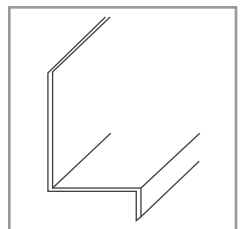
Inside Cove



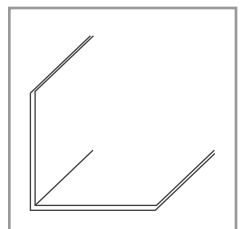
Outside Corner



"H" Trim



Base Trim



"L" Trim

truss or strapping, then slide the panel first into the trim, maneuvering the it into the groove of the previous installed panel and push together. If cladding the walls also, screw the last panel along the walls keeping the screw within 1" of wall so the trim covers it or glue as above.

Wall Panel Installation

SECTION 2.1 VERTICAL WALL PANEL INSTALLATION

Step 1. If ceiling is being paneled it should be installed prior to walls. Door and window trim boards, trim boards, casings, etc. can be installed before or after panel installation. See Recommended Fasteners – *Section 4.1*

Step 2. If the ceiling is installed, install Inside Corner around the perimeter of ceiling screwing trim every 16" - 24" (a ripple look may appear until panel is inserted into trim) tight against ceiling panels.

Step 3. Start at one corner and install J-Trim along the floor. Run a thin bead of clear silicone caulk along the long side of the J-Trim to provide a waterproof seal, and then fasten with screws every 16" or 24" along the bottom and top of the wall (unless Inside Corner is installed at ceiling). At door and window openings install J-Trim or Outside Corner prior to installing the wall panels. This makes a nice clean border around your windows and doors.



DelPro 1238™ Installation

Step 4. If starting wall is not connected to another wall to be paneled install a J-trim in the corner.

Step 5. Take the first wall panel and cut 1/2" shorter than the actual wall height.

- Insert panel in the corner, tongue first (into trim*) and insert up into ceiling trim and then bend slightly in the middle so you can get the panel into the J-Trim at the floor. You may need to trim a bit more depending on the length of the panel.

Step 6. Level the first panel and raise it slightly off floor – about 1/4" – and fasten to the wall through the screw holes in nailing fin. Fasten every 16" - 24" along the nailing fin. Fasten the tongue side near the corner with a screw to temporary in place or install inside corner trim on the adjoining wall.

Step 7. Once the first panel is in place and leveled proceed to install the remaining wall panels by inserting the tongue of the groove of the previous panel until snug. – *See Section 5.1* spacing exceptions.

Step 8. Install Inside Corner Trim at each corner once the adjacent wall is covered with paneling. You may want to put a small bead of clear silicone on the back side of the Corner Trim before you install it, to make a water-tight corner.

Step 9. The last panel you may have to rip it down to fit. Measure your remaining space, using the distance at the panel edge, not the nailing fin edge. Rip the panel 1/4" narrower than your measurement. (*See Section 3.1*) If trim has been installed apply a small bead of construction adhesive (*recommend type: Section 4.2*) to the wall about 2"-3" from the corner. Slide the last panel into the corner or trim; then back into the installed panel. Apply pressure to the panel to set the adhesive. If cladding the adjoining wall install in inside corner to assist in holding the panel in place.

Panel Cutting Instructions

SECTION 3.1 PANEL CUTTING AND SAFETY INSTRUCTIONS

- Read and follow all Safety Instructions for power and hand tools.
- Wear safety glasses! Use hearing protection!

** CUT THROUGH PANELS SLOW AND STEADY, DO NOT RUSH. **

Panels can be cut by using these methods:

- Powered miter saw with fine tooth blade.
- Table saw with fine tooth plywood blade or 80 tooth carbide blade.

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- Fixed blade utility knife and a straight edge to guide knife, Score area 4-6 times with sharp knife to cut through product.

Panels may cut easier and have a clearer cut when saw blade is installed backwards. Always test cut a piece of scrap panel first to see the result of the cut.

Fasteners, Adhesives & Sealants

SECTION 4.1 RECOMMENDED FASTENERS

- Wood** – DelPro 1238® Wood Fastener (#8 x 1" Trusshead Screw) – (item #: V10G2032SM)
- Concrete** – DelPro 1238® Concrete Fastener (3/16" x 1 3/4" Flathead Screw) – (item #: S27J5056S7)
- Metal** – DelPro 1238® Steel Fastener (#10-16 x 1" Master Driller Pan Socket) – (item #: K62H4032SM)
- Stainless Steel- DelPro 1238® Stainless Steel Fastener (#8x1" Trusshead Screy) - (item #: V07G2032G1)



SECTION 4.2 RECOMMENDED ADHESIVES & SEALANTS

- LePage® Green series PL200 Drywall Construction Adhesive
- CSL Silicone – CSL-160 General Purpose Silicone, Mildew resistant – clear
- SCS1000 Contractors Silicone, CFIA & USDA Approved – white

Special Instructions

SECTION 5.1 INSTALLATION IN LOW TEMPERATURES

If possible avoid installation of panels when below 10 °C (50 °F). Allow panels to acclimate to room temperature for at least 24hrs prior to installation. When installing in temperatures below 8 °C (48 °F), insert a dime between panels. When installing in temperatures below 0 °C (32 °F), insert a nickel between the panels, to allow space for expansion in hot weather.

Delcan Products Ltd. is NOT responsible for expansion problems. The warranty on this product is void if not installed according to the installation instructions.

SECTION 5.2 HEAT DISTORTION

The DelPro 1238® Panel and (all PVC) have a heat distortion threshold of 60°C (140°F) Please discuss this with your HVAC contractor prior to installation.

Delcan Products recommends ceiling fans or blowers to be installed with "Tube-Type Radiant Heaters" to move the air throughout your facility for uniform heat distribution.

Our warranty does not cover distorted panels because of excessive heat due to improper installation and operation of heaters & furnaces in areas using our PVC panels. Please contact Delcan Products if you have any questions about your project.

SECTION 5.3 RADIANT TUBE HEATERS

Radiant Tube Heaters must be shielded and 24" clearance must be maintained between DelPro 1238® and the shielding of the Radiant Tube Heater. Please do not install ceiling furnaces within 24" of our panels.

Warranty Disclaimer

Delcan Products has provided these installation instructions to the best of their knowledge based on previous experience and customer feedback. However, Delcan Products Ltd. obligation covered under the 15 year warranty is limited to the replacement of defective products only. Warranty for defective products shall not include the cost or expense of any labor necessary for the replacement of the defective materials.

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