EXTERIOR INSTALLATION INSTRUCTIONS

Important: Please Read Prior to Beginning Installation

Terminology

Wall Trim:
The "E" shaped trim that attaches to the walls, joists and Pitch Rails around the entire periphery.
12' length, 2" height

Panel:
The visable surface of your under deck finishing system. The Panels lock into the Main Rail and can be removed, allowing for easy maintenance access.
1' width, 12' and 16' lengths

Pitch Rail:
Used to impart a slope of 1/8" per foot in order to properly drain your under deck system in the direction of your gutter. They come in 1" and 1/2" profiles and are stacked incrementally every 4' to provide proper pitch.
12' length

Main Rail:
The mounting pieces that will run the length of your deck attached to the Pitch Rails.
12' and 16' lengths
2" height

Seam Rail:
Installs at the center to allow you to pitch to both sides of the deck in applications greater than 16' in length.
12' length, 2" height

Before You Begin

For a complete installation video and more information visit www.zipupceilings.com.

Recommended Tools: Snips, utility knife, hack saw, tape measure, chalk line, carpenter pencil, right angle, speed square, mini prybar, and power drill/screw driver. Main Rails and Wall Trim can be cut also with a miter saw with a vinyl appropriate blade. A universal, or oscillating tool can be used.

Warning: Cut edges and corners may be sharp. Wear safety glasses and use care when handling.

Additional Materials: 1 1/4 inch roofing screws, 3 inch deck screws, and PVC compatible, exterior grade silicone caulk.

Prepare Your Deck: Ensure that your deck is properly flashed at the base of the house. Beams should also be prepped with flashing to ensure proper water diversion away from support fasteners and joints, allowing water to run off them into the system. Repair any broken, uneven, or rotted joists, as well as remove any nest or other organic debris from under the deck. Make sure house siding or other cladding is in good order.

Cold Weather Warning: Installing the system in temperatures below 50° F is not recommended. Making cuts and securing attachements into the product in cold weather may cause cracks and/or chipping.

Plan Your Underdeck Ceiling

A typical deck will have the joists running perpendicular to the house. The Zip-UP system is attached to Pitch Rails to impart a slope of 1/2" fall over a maximum of 4' (see Pitching Your Deck). A traditional installation will mount these Pitching Rails parallel to, but driving water away from the house. However, you can change water direction by using your Pitch Rails to cross joists at an angle.

Applications with a length greater than 16' will require a Seam Rail. In these applications, the seam will be placed at the center of the deck, with the Pitch Rails increasing on both sides of the deck (see Figure 1). Gutters will be needed on each side of the deck, and the Panels will run parallel to the house.

Figure 1

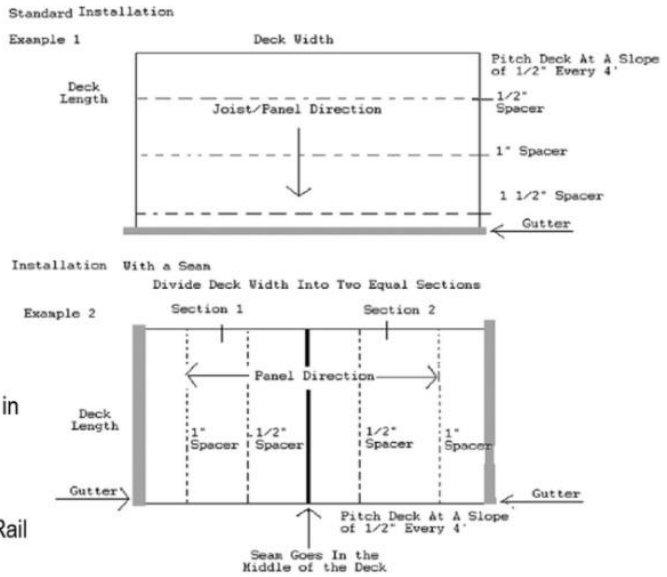
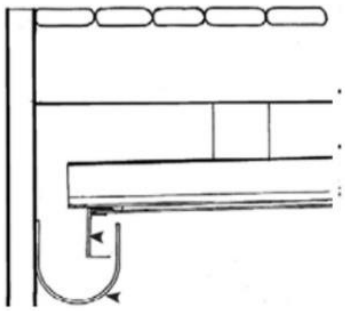


Figure 2



For standard installation, Pitch Rail placement every 2' in 1/4" increments is recommended, although slopes up to 1/2" in 2' are permissible in areas where water volume is of concern.

Example: ¼" Pitch Rail at 2', a ½" Pitch Rail at 4', a ¾" Pitch Rail at 6' and so on.

Take into account in the layout the amount of pitch needed, as well as any obstructions or beams.

Note: Plan for the length of the Panels to end in the center of the gutter. This will ensure room for water to run off and allow space to attach the end Wall Trim. The Main Rails need to be 1" longer than the Panels. The end Wall Trim needs to easily fit inside the gutter trough (see Figure 2 and Finishing the System).

Estimating Materials

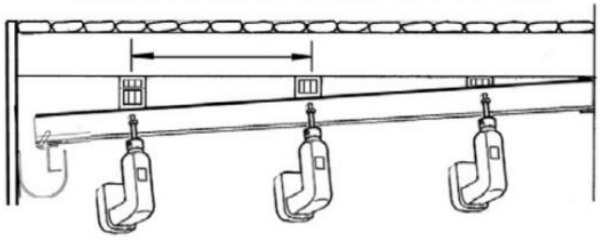
Begin by calculating the amount of Wall Trim needed, add the 2 lengths and 2 sides of the deck to get its perimeter in feet and divide by 12.
Example: 12'X16' deck has 56 lineal perimeter feet /12 = 4.6 (or a total of 5 Wall Trim pieces). The number of Panels needed will be derived from the width of your deck. Each panel is 1' wide so divide the width of the deck in feet by 1 to get the number of panels needed always rounding up to the next full panel. It is recommended to add an additional piece(s) to allow for cuts around posts, odd angles, or corners. Plan the deck in a way that will avoid any panels on either side of the deck smaller than 4" wide. The number of Main Rails needed is equal to the number of Panels minus one.
Example: if the project needs 12 Panels, 11 Main Rails will be needed

Pitch Your Deck

Standard Installation:

Install the first ¼" Pitch Rail at 2' out from the house, and increase the pitch ¼" every 2' down the length of the deck (see Figure 1 & 3). It is important to ensure that the Pitch Rail is straight and level. Secure all Pitch Rails to the joists with 3" deck screws. It is best to attach at every joist. Should joists prove too uneven or unleveled, skip a single joist or shim as needed.

Pitching rails should be spaced at a span no greater than 2'



IMPORTANT: Max span between Pitch Rails should be no greater than 2'. Using treated lumber is acceptable for your pitch rails.

Figure 3

With a Seam:

The Seam Rail must be installed in the center of the deck, by attaching it to the joists with the 1 ¼" roofing screws. In applications longer than 12', two or more Seam Rails will need to be lined up and the ends secured close together to ensure proper alignment of the sections. Once the Seam Rail is in place, you will create the same 1/4" gradient every 2' so that the Panels will slope away from the seam on both sides of the deck (see Figure 1 & 3). Panels and Main Rails will secure into the Seam Rail first, and then be fastened at every Pitch Rail. The lower channel of the Seam Rail will need to be sealed with the PVC compatible silicone as the Panels are inserted to create a proper watertight seal.
Note: Never try to pass water through a Seam Rail.

Installing the Wall Trim

Install the Wall trim along the house edge using 1 ¼" roofing screws (see Figure 5) at every joist – no more than 2' apart. Check to see that the deck is flashed in such a way that the water from along the wall will be directed over the Wall Trim and onto the Panel.

It may be necessary to add flashing or place a bead of silicone to seal where the top of the Wall Trim sits against the structure to keep water from flowing behind the Wall Trim.

Corners can be mitered or simply overlapped (see Figure 4). Using 1 ¼" roofing screws, secure the Wall Trim by aligning it along the wall and across the deck joist, making sure the Wall Trim is straight and level.

Figure 4

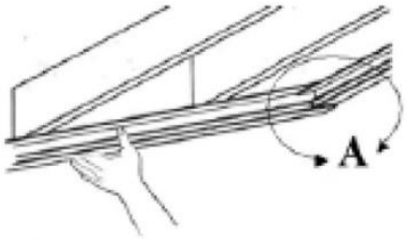


Figure 5

Next, secure the Wall Trim to the Pitch Rails along the sides of the deck using 1 1/4" roofing screws. Make sure the back of the Wall Trim is flush with the ends of the Pitch Rails. Seal around the top edge of the Wall Trim where it joins the structure with silicone to make sure water does not flow between the structure and the back of the Wall Trim. In sections where the Wall Trim is unsupported, you may wish to add a piece of lumber that can be covered by adding fascia to add support and keep the Wall Trim from moving out away from the Panel. The open end of the system, where the gutter will be attached, will be finished by turning the Wall Trim down (see Finishing The System)

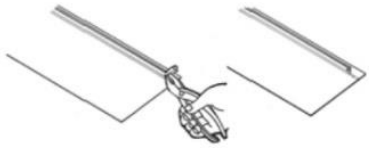


Figure 6

Prepping Your Panel

The first ¾" of the bead must be trimmed back from both sides of, and on both ends of the Panel (see Figure 6). This material can be removed easily with a pair of snips or a utility knife. Carefully removing the bead will ensure a proper fit into the Wall Trim.

CAUTION: Do not remove more than 3/4" of the bead. Cutting the bead too far back could allow water to run through that section. The first and last Panels will need to be cut to the desired width. If a full panel is used on either end, remove the bead on the edge inserted into the wall trim. Before installation, it may be desirable to wipe the Panel clean for best aesthetic results.

Installing the First Panel and Main Rail

Secure a Main Rail to the first Panel that was cut to width, or had the bead removed, and tuck the end of the Panel into the Wall Trim's lower channel along the width of the deck (or at the Seam Rail). Make sure you insert the Main Rail as far into the Wall Trim as possible (see Figure 7). Fit the length of the cut or trimmed edge down to the length of the side Wall Trim. Make sure the Wall Trim remains square and does not push out towards the side of the deck.

Figure 7

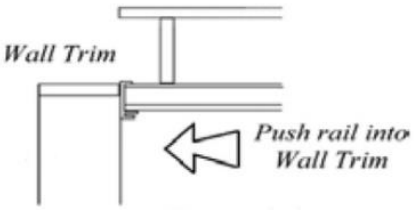
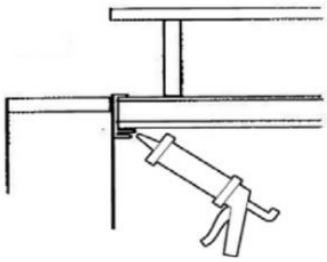


Figure 8



Once the Panel is in the flat position and is not bowing or pulling out of the Wall Trim, attach the Main Rails to the Pitch Rails using 1 1/4" roofing screws. Make sure the Main Rail rests flat against and is perpendicular to the Pitch Rails. Deformation in the surface of the Panels may occur if the Main Rail is not square to the Pitch Rail when attached. Secure the Main Rail at every Pitch Rail. To ensure a proper watertight seal put a bead of silicone caulk into the Wall Trim as the panels are inserted, and along any other cut edge (see Figure 8).

CAUTION: do not over-torque the screws fastening the Main Rails to the Pitch Rails.

Installing the Remaining Panels and Main Rails

Insert the nipped end of the second Panel into the Wall Trim, and zip it into the channel of the already secured first Main Rail. Place the second Main Rail into the Wall Trim and zip the Panel into the Main Rail and attach it to the Pitch Rails. Same as the previous Main Rail. Continue with this process installing the Panels and Main Rails. At the final Panel, slide its end into the Wall Trim first and then slide its edge along the Wall Trim at the sides. Finally, zip the Panel into the channel of the Main Rail.

Finishing the System

To finish the open end of the system, ensure that the beads are nipped back on the ends of the Panels to 3/4". (see Prepping Your Panel) Also, ensure that the Panels are cut to even lengths with a uniform straight edge. Add silicone caulk to the inside of the Wall Trim. Turn the caulked piece of Wall Trim upside down, and slide it under the ends of the Main Rails, and along the open ends of the Panels, so that the edges of the Panels are captured by the lip of the Wall Trim (see Figures 2).

The system is compatible with most conventional gutter systems (gutter not included). We recommend a system in which the strap attaches underneath (see Figure 9) to minimize the gap between the gutter and the end of the system for appearance.

Figure 9

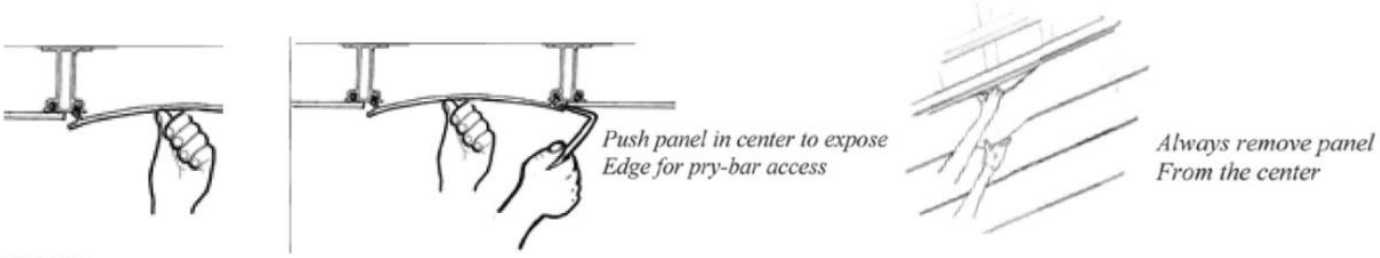
Painting

The system can be painted with latex paint. Be sure to use a latex compatible primer before painting.
Note: Painting over Panel joint lines may cause difficulty in removing Panels and also cause the paint to chip or flake when removing.

Panel Removal

If it becomes necessary to remove a Panel, push up firmly into the center length of the Panel you wish to remove. Using a tool with a wide, strong, straight edge (many prefer a mini-pry bar), insert the tool into the exposed part of the Panel edge next to the bead and gently pull it down until the seal is broken and a gap is exposed. Do this on the other side of the Panel across from the first gap. Once the seal is broken on both sides, pull down and the Panel will un-zip along its length.

Note: After the removal of a Panel, you will need to re-seal along the Wall Trim (or Seam Rail if applicable) upon reinstalling the Panel.



Storage

To store materials while waiting for installation, it is important to lay the components on a flat surface. For best results, please allow materials to warm up to at least 50° F to minimize cracks and/or chips during installation.

Lifetime Limited Warranty

MP Global Products, LLC ("Manufacturer") warrants that its Zip-UP Ceiling System ("Product") is free from defects in manufacturing, materials and workmanship. Manufacturer further warrants that the Product will snap together as designed. This limited warranty is extended to the original purchaser of the Product (the "Owner") and is subject to the exclusion and limitations provided below. This warranty is not transferable.

IN THE EVENT OF A DEFECT, MALFUNCTION OR OTHER FAILURE OF THE PRODUCT (NOT OTHERWISE EXCLUDED BELOW), THE MANUFACTURER WILL REMEDY THE DEFECT OR FAILURE WITHOUT CHARGE TO THE CONSUMER PROVIDED NOTICE OF THE WARRANTY CLAIM IN THE MANNER PROVIDED BELOW IS RECEIVED BY MANUFACTURER WITHIN THE LIMITED WARRANTY PERIOD. THE REMEDY FOR ANY SUCH DEFECT, FAILURE OR MALFUNCTION IS LIMITED, AT MANUFACTURERS OPTION, TO THE REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE OF THE PRODUCT. THE REPAIR OR REPLACEMENT OPTIONS ARE LIMITED TO THE REPLACEMENT COST OF THE PRODUCT. THIS LIMITED WARRANTY IS FURTHER SUBJECT TO THE CONDITIONS, LIMITATIONS, AND EXCLUSIONS PROVIDED HERE. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE IN THE UNITED STATES OF AMERICA.

5 Year Limited Fade Warranty. MP Global Products, LLC ("Manufacturer") warrants that its Zip-UP Ceiling System ("Product") will not fade for a period of 5 years from the date the Product was originally purchased.

CONDITIONS/EXCLUSIONS TO THE LIMITED WARRANTY

THIS LIFETIME WARRANTY IS FURTHER MADE SUBJECT TO THE FOLLOWING CONDITIONS AND EXCLUSIONS, PLEASE READ THE FOLLOWING CAREFULLY:

1. Required Installation. To be covered by this Limited Warranty, the Product must be installed following the Manufacturer's recommended installation instructions.

2. Damage Coverage. This warranty only covers damage caused to the Products.

3. Limitation on Causes of Defects Covered Under Warranty. This limited warranty covers only defects in manufacturing materials or workmanship and does not cover defects, malfunctions or failures resulting from any other causes including, without limitation: (i) improper or inadequate installation; (ii) defects caused by fire, tornado, hurricane, acts of God, extraordinary environmental conditions, riot or other civil insurrections, or acts of war or conflict; (iii) defects caused by abusive conditions or accidents, such as but not limited to cutting or severe impact; (iv) installation or use of the product in any manner not recommended by the Manufacturer including, but not limited to, installation under uneven ceiling structures; and (v) defects caused by improper or inadequate maintenance, cleaning, use or care of the Products including without limitation the use of improper or un-recommended cleaning solutions or cleaning practices.

4. Controlling Document. This warranty is the sole and exclusive description of warranties applicable to the Products. Any written or oral representation, warranties, or guarantees concerning the Products which are inconsistent with or beyond the scope of the description contained herein are superseded by this document and deemed inapplicable or void.

5. Required Procedures to Submit a Warranty Claim. In order to obtain performance of any warranty obligation, the Owner must do the following: Contact the Manufacturer at the toll-free number listed below or by mail at the address listed below, and request a claim form. Complete and return the claim form to the Manufacturer within the Limited Warranty Period. The phone number and address to contact the Manufacturer for these purposes is as follows:

MP Global Products, LLC Attention: Zip-UP Warranty Claim Department
2500 Old Hadar Road PO Box 2283 | Norfolk, Nebraska USA 68702-2283
Phone: (888) 379-9695 | Fax: (402) 379.9737

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