

**METAL**  **EXTERIORS**

***Ultra Max***  
***Installation Guide***

**METAL**  **EXTERIORS**

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# OVERVIEW

Thank you for taking the time to review the installation instructions for our Ultra Max.

In this guide we hope to give you all the information you will need to install this properly and efficiently.

In this guide we will share:

- The tools that are best suited for the job.
- Best cutting Practices.
- Safety Instructions.
- Diagrams on how to properly install the trims.
- How to properly install the panels.

It is our hope that this guide will serve as an additional tool in your belt for an easy install and reference for any questions that may arise throughout the course of your project.

For any additional questions that aren't covered by this guide, please contact us at 419-896-2200, or by email at [Orders@metalexteriors.com](mailto:Orders@metalexteriors.com). Our staff would love to help answer any questions that you may have.

# **HANDLING AND STORAGE**



## **QUALITY INSPECTIONS**

The Metal Exteriors team strives for accuracy in our orders and makes all effort to create timely customer service. Please check your order upon receiving it. In the event that you notice any discrepancies, please notify us right away so we can move swiftly to correct any mistakes that were made.

## **HANDLING INSTRUCTIONS**

Handle your panels and trim with care to avoid damage. If you have longer panels, you may need more than one pick-up point when lifting them from the trailer or transferring them across the jobsite by hand. Trim may be heavy and should be broken down and separated to avoid harm to the worker when moving these to where they are needed. Please do not attempt to lift beyond your capacity as this could cause injury as well as damaged material.

## **STORAGE INSTRUCTIONS**

Metal Exteriors recommends having a covered area to store panels upon arrival at the jobsite. When ordering material, it is important to have panels delivered as close to the time they will be installed to avoid any damage from sitting on the jobsite. The longer panels are sitting the more likely they are to be damaged prior to installation.

If you do order materials in advance to have them ready when the time comes for installation, proper storage of the product is of utmost importance. Panels and trims should be stored in a covered, dry, and well-ventilated area. If panels are left in direct sunlight or exposed to moisture prior to installation it could cause a failure in the finish resulting in water spots or even surface rust. Panels should never be stored in direct contact with the ground.



## REQUIRED TOOLS

To ensure a quality installation, it's important to have the right tools from the start. Whether you're a contractor or tackling the job yourself, the tools listed below will help you get it done efficiently and correctly.

- Screw Gun
- Hand Shears
- Tape measure
- Chalk line
- Hand Benders
- Straight edge
- *Impact drivers should not be used as this will lead to over-tightening and oil canning.*
- *Nibblers are also useful in cutting this panel*
- *Left and right offset shears are recommended but are not required*
- *If using chalk, it is recommended that you use Blue and not Red due to the possibility of permanent staining or deterioration of the finish from "electric cell" affect.*

## SAFETY

Whether the job you're doing is a roof or siding, safety should be your top priority. Safety hazards are all around a jobsite no matter what the job is and should be taken into careful consideration. Here are some tips to help you and your workers maintain a safe and injury free worksite.

- Maintain a clean clutter free workspace. Cut panels laying on the ground, extension or equipment cords.
- Beware of power lines when maneuvering panels.
- Always wear proper hearing and eye protection when cutting panels or trims. Gloves should be worn to protect you hands against sharp edges.
- Always be aware of your co-workers in the area. Make sure not to put them or yourself in danger.
- Be sure to follow state and local safety guidelines when installing this product.

# TRIM CHART



Now that you're ready to start installing your trims, we've put together this reference chart to guide you.

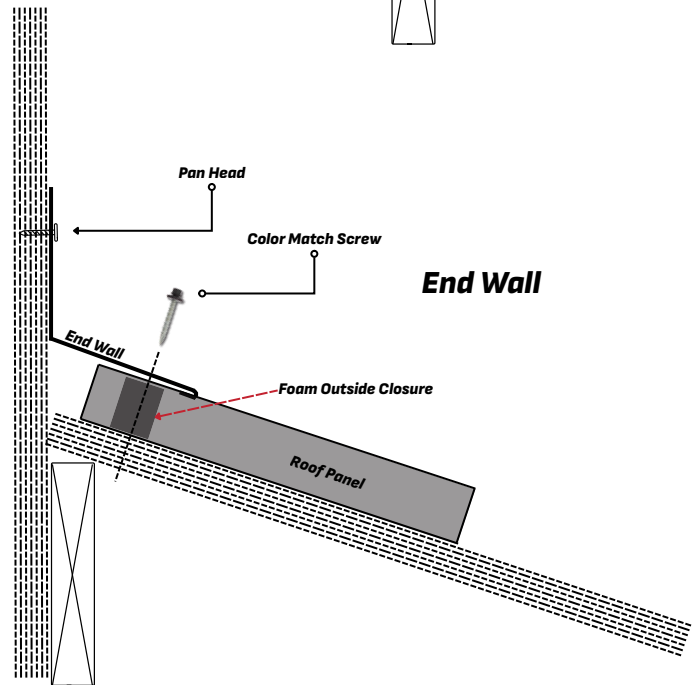
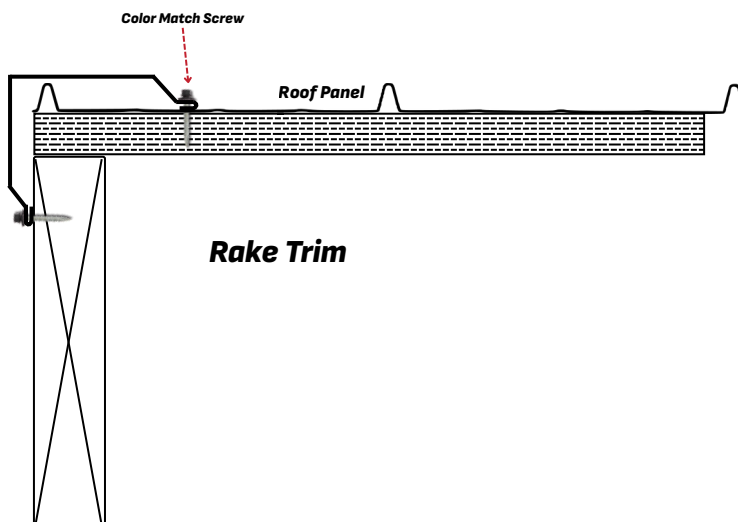
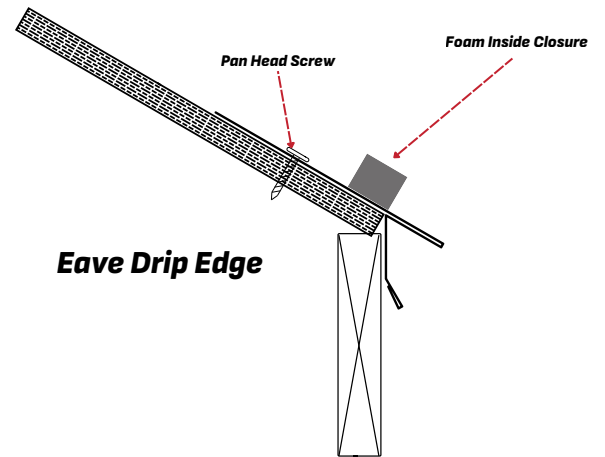
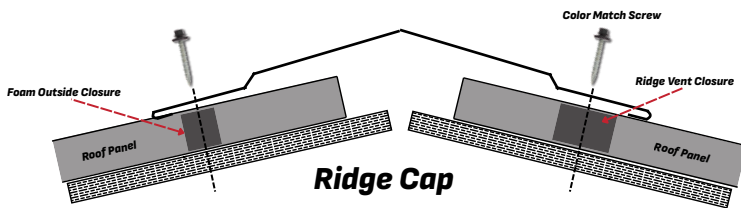
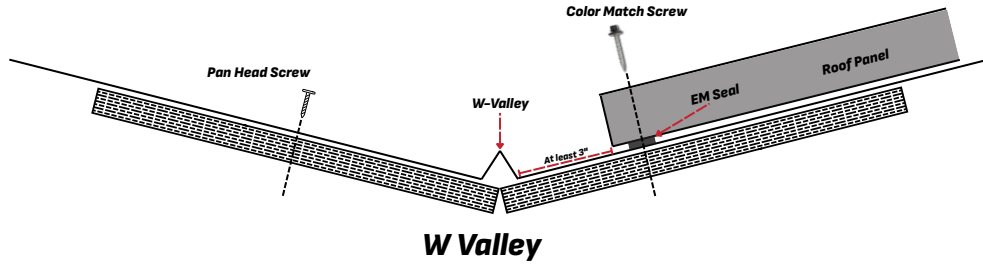
For runs of more than 10' 3" that require multiple length of trim, overlap the pieces by 1-1/2". The material is thin enough that overlaps will not be noticeable if done correctly.

We recommend attaching trims using panhead screws. Be sure to drive screws in securely-tight enough to hold, but not so tight that they warp the trim or the wall.

**Important:** Remove strippable film from panels and trims before installation.

<p><b>RAKE TRIM</b></p> <p>UMR(LN)(CLR)</p>	<p><b>RIDGE CAP</b></p> <p>UMRC(CLR)</p>	<p><b>HIP CAP</b></p> <p>HC(CLR)</p>		
<p><b>DRIP EDGE</b></p> <p>ED(CLR)</p>	<p><b>FASCIA</b></p> <p>(x)</p> <p>(x) = VARIABLE</p> <ul style="list-style-type: none"> <li>• 3-1/2"</li> <li>• 5-1/2"</li> <li>• 6"</li> <li>• 7-1/4"</li> </ul> <p>(CUSTOM BY REQUEST)</p> <p>F(SIZE)(CLR)</p>	<p><b>CHIMNEY FLASHING</b></p> <p>CF(CLR)</p>	<p><b>SIDE WALL FLASHING</b></p> <p>UMSW(CLR)</p>	<p><b>END WALL</b></p> <p>EW(CLR)</p>
<p><b>VALLEY FLASHING</b></p> <p>WV(CLR)</p>		<p><b>TRANSITION FLASHING</b></p> <p>TF(CLR)</p>		

# TRIM INSTALLATION



# **FASTENING AND CLOSURE APPLICATIONS**



## **FIELD CUTTING AND TOUCH UP**

Safety glasses must be worn at all times while cutting metal panels. For cutting the metal in the field, tin snips or electric nibblers are recommended. Cutting the steel causes “slivers” or small metal particles to collect on the edge of the metal panel. Remove these immediately as they will cause damage to the finish and shorten the life of the product.

## **TOUCHING UP PANELS WITH PAINT**

A factory baked on finish has been applied to the painted panels and trim components, some handling and installing of these product may result in minor nicks or scratches to the painted finish. Matching touch up paint from Metal Exteriors is available. Use a small brush to apply touch up paint, a few coats may be needed in some situations.

## **VENTILATION**

To prevent condensation from forming on the under inside of the roof, the use of vapor barriers and vented closures are necessary. Condensation occurs when moisture laden air comes in contact with a surface that has a temperature equal or below the dew point of the air. This can cause several potential issues, all of which can be avoided with the proper ventilation products and techniques. It is recommended that you discuss the proper product to use with your Metal Exterior’s Sales Representative.



**Emseal Expanding Foam**



**Snap Z**  
**( Compatible with Ultra Max )**



**Roof Boot**



**Screws**



***MetalGrip (Self Tapping)***



***FastGrip (Wood Grip)***



***Pro Z (LifeTime)***

**Commercial Ultra Max Closures**

***Vented Outside Closure***



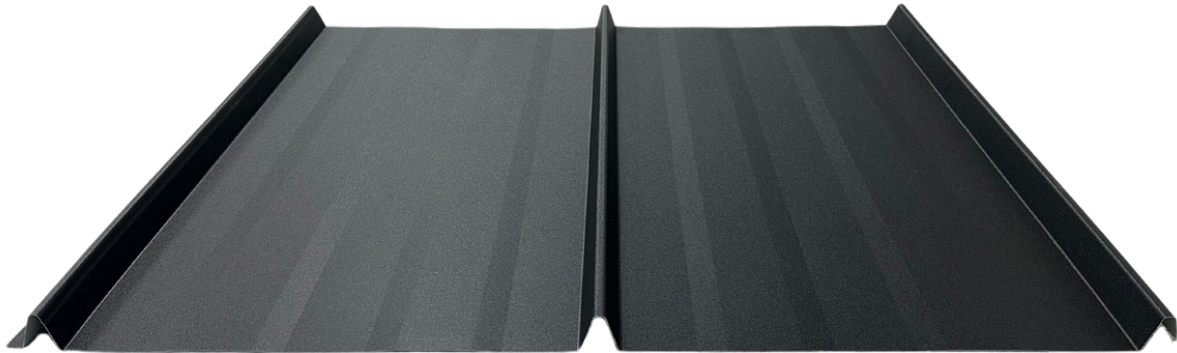
***Inside Closure***



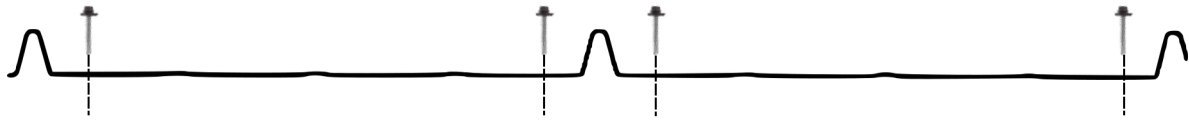
***Outside Closure***



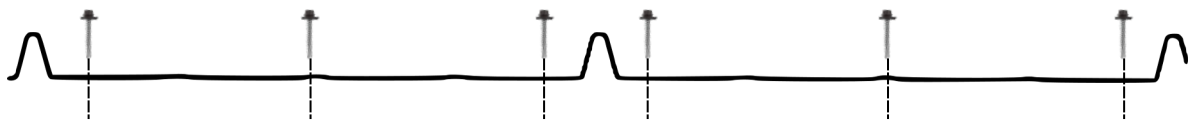
# FASTENING PATTERNS



FIELD OF PANEL



ENDS OF PANEL

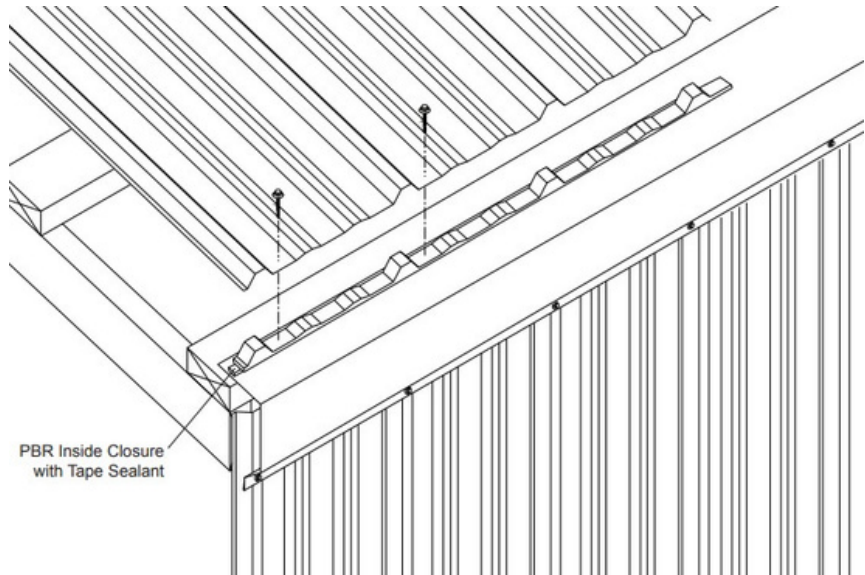


# PANEL INSTALLATION

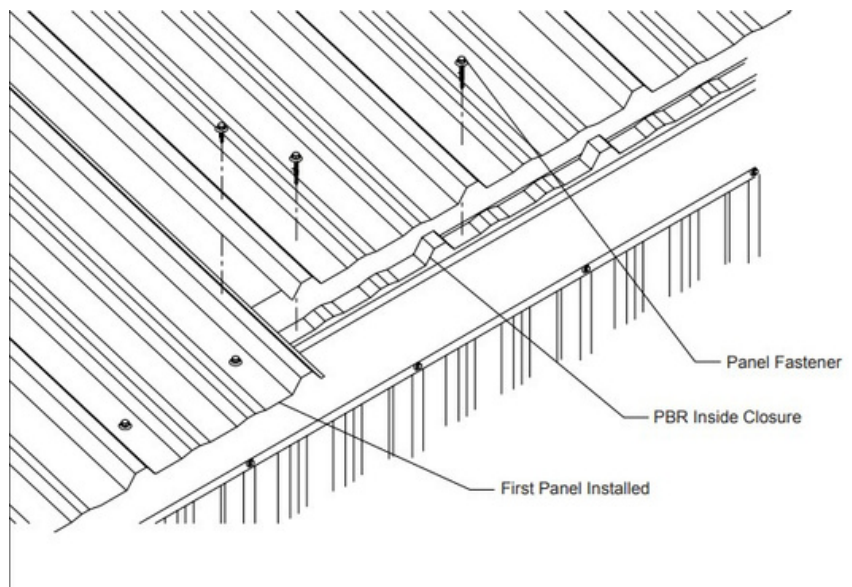


The illustrations shown below apply to PBR Panels as well as Ultra Max Panels

1. Place the PBR Inside Closure in the ribs on the underside of the panel.
2. Square it with the roof, and lay it in position on the Eave Flashing.
3. Install the fasteners at the panel ends, eaves, ridge, and panel overlaps according to the "End of Panel" Fastening Pattern.
4. In the field of panel, follow the screw pattern shown in the "Field of Panel" illustration.



1. Before installing the next PBR panel, ensure the previous panel is properly aligned and secured.
2. Place the next panel so that it overlaps the previous one along the side rib. Make sure it is flush and square at the eave.
3. Continue this process for all remaining panels.



When installing on roof pitches below 3:12, it is recommended to apply sealant and fasten each overlapping rib with screws.

# Care & Maintenance



While factory-applied finishes are so durable that they will last many years longer than ordinary paints, it is desirable to clean them thoroughly on a routine basis. Apparent discoloration of the paint may occur when it has been exposed in dirt-laden atmospheres for long periods of time.

Slight chalking may also cause some change in appearance in areas of strong sunlight. A good cleaning will generally restore the appearance of these coatings and render repainting unnecessary. An occasional light cleaning will also help maintain an aesthetically pleasing appearance.

To maintain the original finish of the coated product, the only regular maintenance necessary is that of annual washing. Mild solutions of biodegradable cleaner or household ammonia will aid in the removal of most dirt, and the following are recommended levels:

- 1. One cup of Simple Green<sup>®</sup>, or other non-toxic biodegradable cleaner, which contain less than 0.5% phosphate, dissolved into two gallons of warm water. NOTE: The use of detergents containing greater than 0.5% phosphate is not recommended for use in general cleaning of building panels. NEVER BLEND CLEANSERS OR DETERGENTS WITH BLEACH.**
- 2. One cup of household ammonia dissolved into five gallons of water (room temperature).**

Working from the bottom to the top of the coated panels, the panels may be washed with either solution. The use of a well-soaked cloth, sponge, brush (with very soft bristles) and clean water rinse is advised. Do not use a pressure washer.

We do not recommend the use of scouring powders or industrial solvents, since these agents may damage the film. Solvent-containing cleaners such as Fantastic<sup>®</sup>, however, are very effective and can be used without concern.

If mildew or other fungal growth is a problem and cannot be removed as outlined above, household bleach, mixed at a concentration of one cup of bleach to five gallons of water, along with one cup of a mild soap (e.g., Ivory) to aid wetting, is recommended.

Once the coated product is washed, thorough rinsing with clear water is necessary to eliminate the possibility of residue. Failure to remove all residues from these cleaning steps may damage the film.

# Closing



Thank you for taking the time to review this installation guide.  
It's our pleasure to assist you in making your dream a reality.

If you have any questions beyond this guide, please reach out to us using the contact information listed at the bottom of each page.

We're here to help every step of the way — from choosing the right panel to ensuring your project is finished with confidence. Our goal is to make the process as simple and stress-free as possible, so you can enjoy the results for years to come.

All Metal Exteriors panels are coated with AkzoNobel's premium paint system, backed by a lifetime limited warranty.

This warranty covers film integrity, chalk, and fade — ensuring your finish retains its appearance and protection over time.

It is transferable to the next property owner (once within the first ten years) and applies to surface coating only when installed according to manufacturer guidelines.

Thank you for choosing Metal Exteriors — where lasting quality and craftsmanship come together.  
*The Metal Exteriors Team*