

# M-ROCK P-Series /MSI

## INSTALLATION OF MSI P-SERIES

### (PANELIZED STONE SERIES)

#### STACK & FASTEN TECHNOLOGY

M-Rock Stone Manufacturing has quickly become the name to know when it comes to manufactured stone products. M-Rock is expanding our product lines with the new MSI technology. The new MSI, (Mortarless Stone Innovations) takes the mess, mortar and mason out of your stone installation.

#### READ:

- Read the instructions and know what your local building codes require.
- Ensure that you have all the tools and supplies you will need.
- We are here to help, just call customer service 866-896-7625.

#### SUPPLIES YOU WILL/MAY NEED:

Along with your MSI Flats/Corners

- Starter Strip Packs and a level
- Drill and appropriate driver
- Drywall screws for interior application
- Exterior grade screws for exterior application
- Recommended 30# Felt doubled moisture barrier
- Polyurethane Construction Adhesive
- Masonry, circular or table saw with diamond blade
- Universal Trim or Transition Molding

#### PREPPING THE SURFACE

**Exterior Untreated Wood Installation:** For exterior untreated wood installation a moisture barrier of 30# felt doubled or a synthetic barrier is required.

**Exterior Treated Wood Installation:** Moisture barrier of 2 layers of 30# felt is recommended when using treated plywood.

**Interior Wood Installation:** Moisture barrier is recommended

**Interior Dry Wall:** MSI can be installed over Dry Wall, 1) Hit one stud per stone, or 2) Use some type of dry wall anchor.

**Block Installation:** MSI can be installed over block using 2 layers if 30# felt and masonry screws to apply stone to block.

We recommend that the block be sealed before MSI installation.

#### STEP 1: STARTING OFF RIGHT

After applying your moisture barrier the starter strip is your first step with MSI P-Series Stone. It will be installed the length of your project area and it needs to be installed level. The starter strip is what your first row of stone will lock onto. Drill through the channel of the starter strip. Each starter strip should be installed with two screws as shown in the photo to the right. Install starter strip 1 3/4" above the surface of your project area making sure that you keep starter strip straight and level.



#### STEP 2: FIRST ROW OF MSI



When inside and/or outside corners are present it is recommended that you start with inside corners first, then outside corners, then fill in between with flats. The first row locks onto the Starter Strip and the stones work better from left to right. When you get to the end of the each row measure and make the appropriate cut, using the remaining piece to begin your next row.

TIP: Put cuts of similar stones together.

#### STEP 3: SECOND ROW AND CONTINUING

Your second row and all following rows will stack and fasten directly onto the previous row of MSI stone. Make cuts where necessary, staggering each row. By staggering your rows you avoid vertical seams. Be sure to use your cut pieces in and throughout your project. MSI has been designed for minimal waste, but that requires using your cut pieces to fill in where needed. If you do not reuse you may run short.



## STEP 4: FINISHING

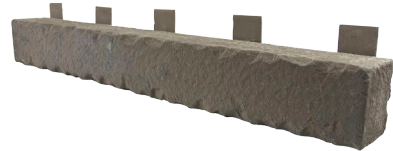
You have several options for finishing out the last row of your projects and we recommend when possible to install the Universal Trim and Transition molding first.



**Universal Trim:** Universal Trim a 2"x20" trim piece that can be used in many different ways, depending on your project. It can be used to finish the top of a project area, to trim around windows and doors, or to butt the stone to another surface. (Use a polyurethane construction adhesive to attach the Universal Trim).



**CTS - Chiseled Top Sill:** The Transition Molding can be used to butt one material up to the stone. It's an excellent way to dress up your project. (Use a polyurethane construction adhesive to attach)



**Chiseled Trim:** This new innovative molding piece measuring 30" x 3.5" x 3.5" can be used in many different ways from a drip edge, to topping off your project area.

**Piecing the Stone:** Cut to height and use a Polyurethane Construction Adhesive to attach the stone. The structural railing system may need to be cut to ensure a tight lock and finish. In some situations pre-drilling a pilot hole may be necessary to attach the last course with a mechanical fastener (i.e. galvanized screws).

## ASSEMBLY TIPS:

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- Do not over tighten the screws
- Check often that your stones are level - chalking lines can help with this
- Use a rubber mallet to tap stones into place when necessary  
may need to be slightly backed out to allow the next stone to lock into place in certain situations.
- When necessary, stones can be adjusted up or down to ensure a level course
- Broken or cut stones are not waste, simply cut the remaining pieces into a usable stone and apply as normal.
- Cut edges can be chipped, roughed or painted to help hide the unnatural looking cut edge.
- Hide your cuts by simply cutting and placing the cut side away from high visibility and angles.
- Start your project in your least visible/high traffic area, so that by the time you have completed a few rows you will be a pro.
- When using M-Rock's Receptacle Stones, install that first and work you way towards it cutting the stone to fit flush against the receptacle stone. Continue that row with a new piece on the other side of the receptacle.

## CORNERS

Only open one box at a time

## REMEMBER

When inside and/or outside corners are present it is recommended that you start with inside corners first, then outside corners, then fill in between with flats.

