

Brick/Stone Panel Installation Instructions



Tools needed:
Circular saw, jig saw, table saw, router, screw gun, caulk gun, Accent Bond™, Mortar Seal™, tape measure, level and chalk line or straight edge.



Starters:
Panel on the top is a starter panel. Note it does not have the routed shiplap edge on the bottom of the panel. Routed panels are designed for vertical application.



Measure:
Measure and lay out wall and set a level line on the wall.



Dry fit corners:
Measure corner for overlap of panel and mark wall. Work in a left to right direction starting with starter panels and corners. Inside corners should be butted and caulked with Mortar Seal™.



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Lay out stone corners:
Flip corner pieces to provide alternating stone appearance.



Staggered panel & corner:
Working left to right you may need to complete wall with a fabricated panel to fill void.



Filling void:
Cut with jig saw and route to create shiplap edge. Use Mortar Seal™ to fill seams and voids.



Cutting:
Measure and mark from the backside using a pencil or marker. Use a straightedge or chalk line to mark a cutting line.



Cutting brick:
Remove brick tabs using a circular saw. This panel will be your first panel and will fit under corner piece. If not using a corner piece, miter panel to fit. Always cut panels from back side.



Secure:
Make sure all surface areas are clean, dry and free of oily and loose materials. Using Accent Bond™ Adhesive, apply to the backside with a 3/8" "zigzag" bead line every 12" along the full length of the panel including all shiplaps.



Brick corners:
Attach corner using adhesive and screws. Corner should overlap panel slightly. Make sure the same size brick is seen on both ends.

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Secure:
Fastened to wood substrates using deck screws, masonry substrates with concrete screws and steel substrates using self-tapping screws. The screw head should be counter sunk about 1/8". For drywall, use Accent Bond™ and enough screws to secure the panel until adhesive sets.



Routing on stone panels:
Routers can be used to form a new shiplap edge. Use 1/2" rabbit bit with bearing guide.



Finish:
Cover screw heads, seal seams and joints with Mortar Seal™.



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Finishing:
Cut ripped panels to create rough stone appearance and touch up with Touch up paint.



Cutting Ledge:
Use a table or jig saw to cut ledge to fit over corner and panel.



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Ledge Attachment:
Attach ledge with adhesive and screws.

Trim and Final Finish

- **Caulking/Grouting:** Use Architectural Composite Technologies Mortar Seal™ to fill joints between panels. As with adhesive, the areas must be clean, dry and free of oily and loose materials. Adhesive must be applied inside the lap edge prior to installation. Immediately clean off excess material. **All screw heads and cut edges must be covered with Architectural Composite Technologies Mortar Seal™ and/or touch-up paint.** Mortar Seal™ should be tooled to produce an even look. Matching touch-up paint can be purchased separately from Architectural Composite Technologies.
- **Repair and patching:** Use Mortar Seal™ to repair small scars and gouges in the mortar joints of the panel. Work in a small amount to the affected area until well blended. Repairs to stone and brick faces can be done with an auto body filler product then painted to match.

Other Tips

- Panels must be fastened every 16" vertically and 12" horizontally.
- For inside right angle corners cut each end at a 45 degree angle and space the joint approximately 1/4".
- **Application over masonry:** Place the panel on the wall with adhesive. Use a hammer drill to drill a hole through the Architectural Composite Technologies panel and into the masonry. Screw the panel to the concrete with tapcon-like screws or screws designed for masonry. Use enough screws to secure the panel until the adhesive sets.
- Check local codes when using indoors for maximum exposure.
- For best long term results, stainless steel screws are recommended.