
Your Premier Natural Stone & Cast Stone Fireplace Supplier

Natural Stone Surround Installation Instructions

Important Note: This installation guide is intended for an experienced and competent person. Installers assume all risk when completing installation on their own. Please have your installer call with any questions. Check all local codes.

Tools to get started

Pencil	Drop cloth	Tile Saw/Grinder
Shims	Caulk Gun	Tape Measure
Level	Cement Trowel	Builder's Square
Sponge	Grout	Thin set mortar
Heavy-duty construction adhesive for stone: PL or LN		



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Mantels Components

Hearth

Preassembled Legs (Leg, Inner Return and Outer Return Joined)

Header

Shelf

Top, L, R Inner Returns

Top, L, R Flat Surround Panels





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Unpacking the mantel

Before any product ships from our warehouse it is thoroughly inspected and carefully packaged. Be sure to inspect and report concealed damage to the freight carrier with damage notation on the Delivery Receipt. Very rarely, some damage occurs during shipping. Although Stone Fireplaces is not responsible for the damage, each shipment is insured and we will assist in the filing of a claim with the carrier.

Remove the lid off of the crate (please watch for nails and metal strapping). Remove any additional wood used to support the crate. Proceed to remove the stone, piece by piece. As you are removing pieces, make sure other pieces don't topple over. Always transport individual pieces on the side and never flat. Put pieces on the rib – never leave pieces flat on the ground.

***General Guidelines:**

- **Dry fit all pieces on the floor before beginning the installation**
- **Check the level at each step of the process.**
- **Add additional adhesive wherever plausible, to ensure maximum structural security. In some cases mechanical attachment may be required using L-brackets and concrete anchors.**
- **Even with precise measurements, it may be necessary to adjust pieces once adhered, to ensure profiles match up. Please be aware that even when adhered, there is still a lot of movement of the surround.**
- **Always allow 24 hours for adhesive to set and up to 48 hours before lighting a fire in your firebox unit.**

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Site Prep & Hearth

1. Ensure surface is free of dust, debris and pieces of dry cement that would prevent the hearth from laying flat.



2. Check level of the floor and prepare to level hearth accordingly.



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3. Spread an even layer of thin set to adhere the hearth. (*Pro tip: If the hearth drops into the floor or floats, add wedges to prevent sinking. Otherwise, wait 24 hours for thin set to dry).



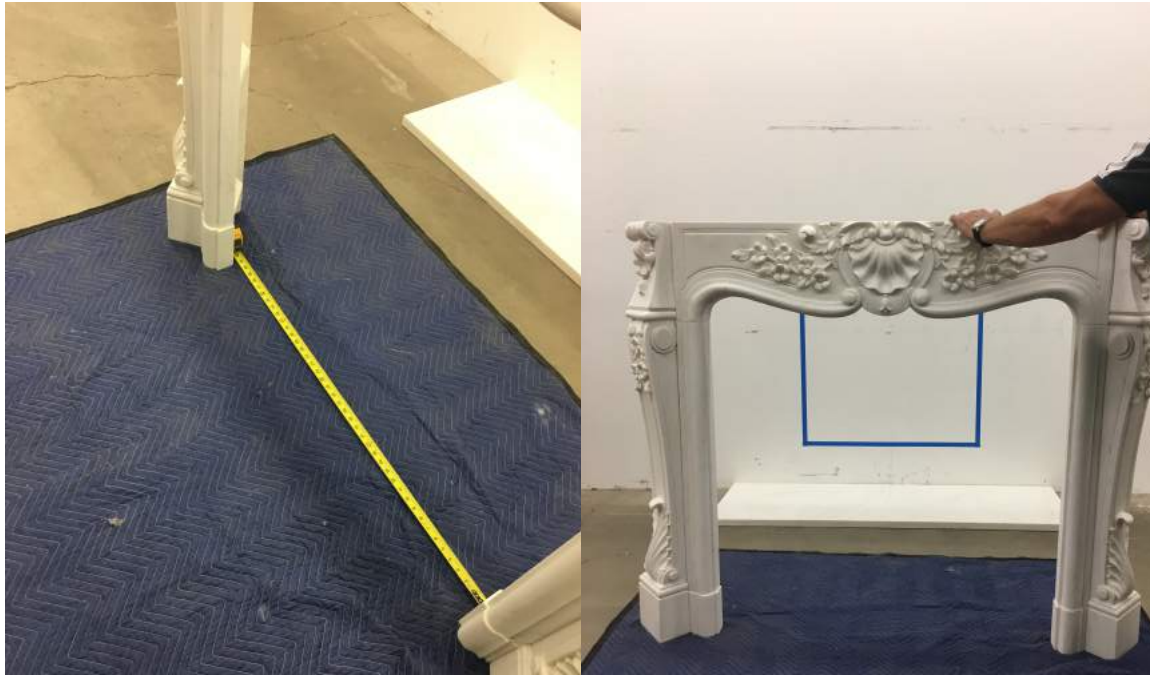
4. Center the hearth to the center of the firebox



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Legs/Header

1. Dry fit the preassembled legs and header to find inner and outer dimensions of the leg.

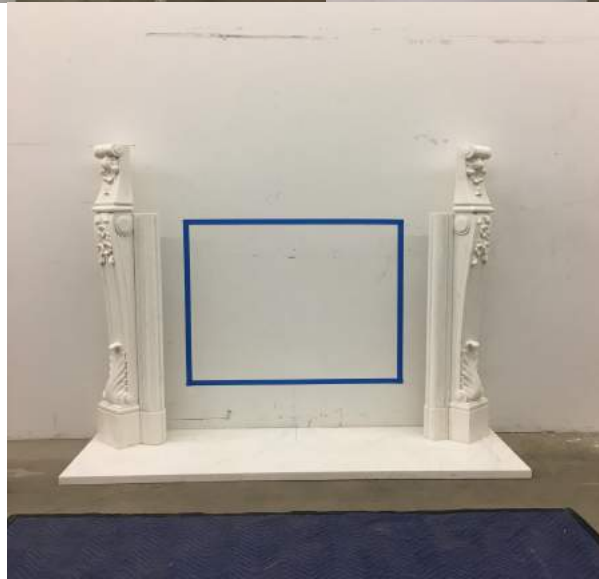
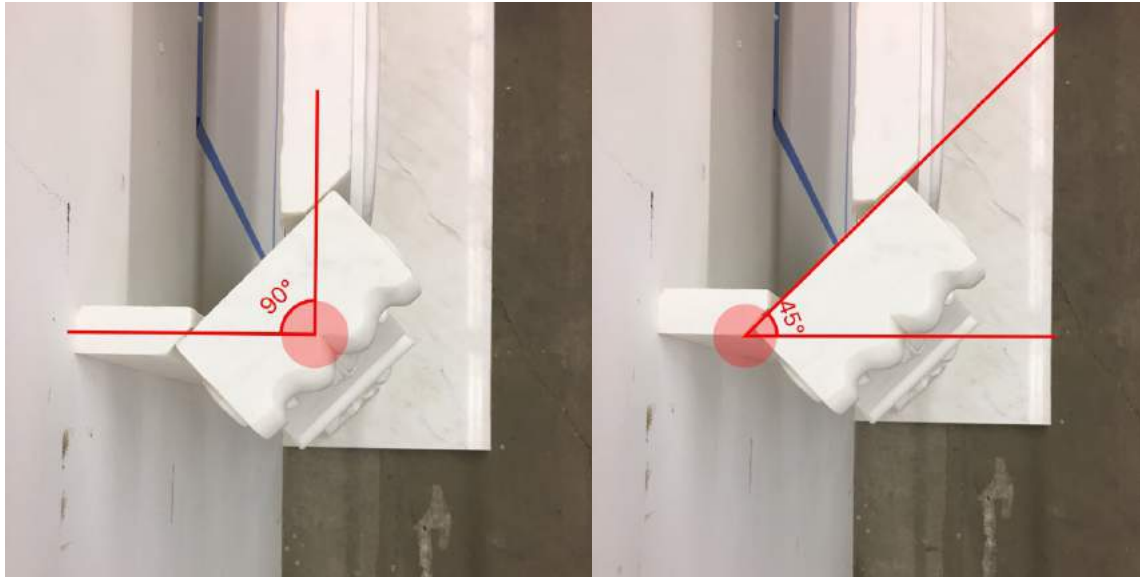


2. Translate the inner and outer dimensions of the legs to the hearth, marking them with a pencil.



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3. Position legs on markings. (Position leg so that the outer return is perpendicular to the wall and the inner leg trim is parallel to the wall. Pictured, the leg sits at a 45-degree angle)



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4. Apply adhesive along edge of return and below plinth. Adhere legs to the wall and hearth.



5. Apply adhesive behind leg and on top of inner-leg trim

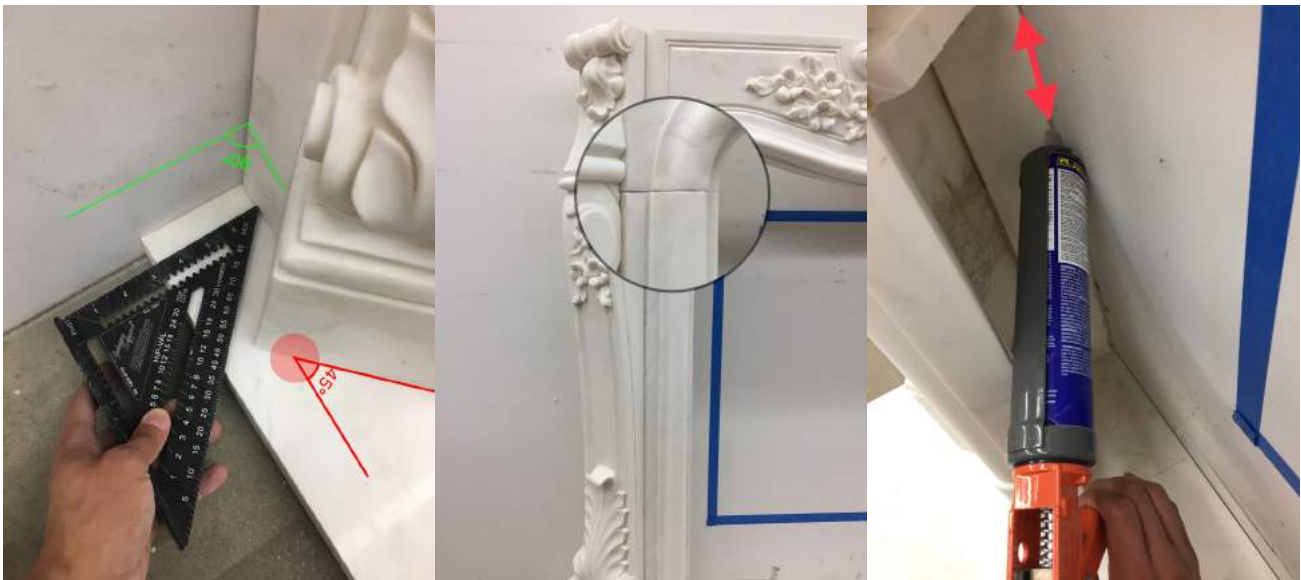


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6. Install header above the legs. Build up support behind the header.



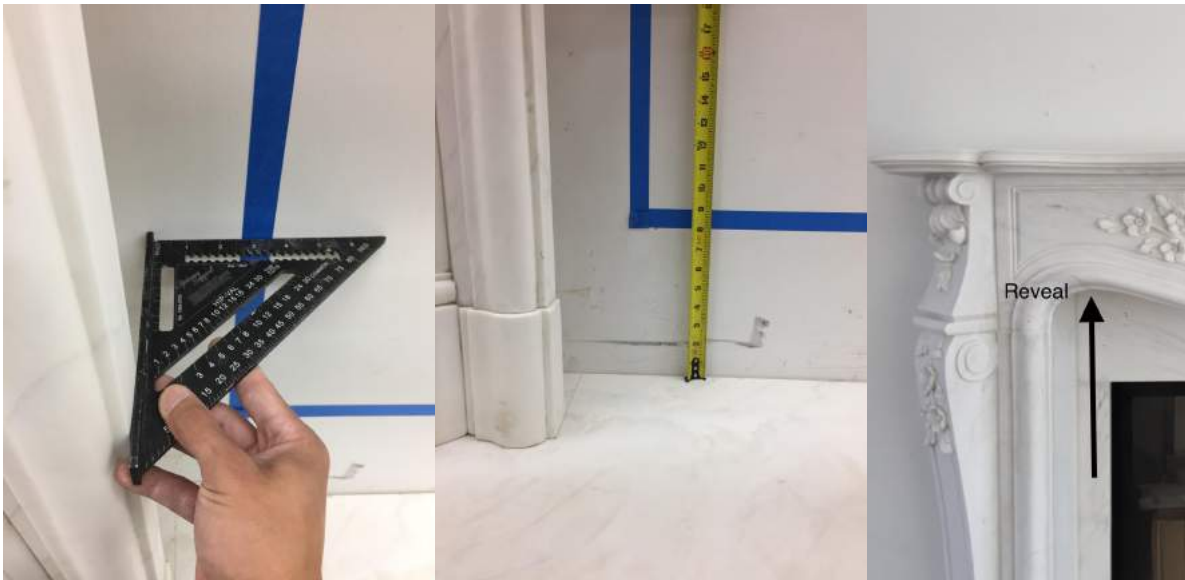
7. Double check measurements, ensuring everything is centered and the profile is aligned. Secure legs in place with adhesive/thin-set along the inner edges.



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Flat Surround Panels

1. Measure the difference between the firebox and the legs/header/hearth to determine the size of panel for the sides, as well as, above and below the firebox. (Make sure the panel above the firebox is flush or taller than the highest point of header reveal).



2. Cut panels to size using a wet saw. Make sure not to cut off the polished edge. (*Pro tip: the width of the side panel can extend behind the leg. This often allows for one less cut).

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3. Apply adhesive to the back of the panels and adhere to the wall.



Inner Return Panels

1. Measure the distance from the back of the leg trim & header to the flat panel on the wall to determine the size of side and cross return panels. (Make sure that the 2 side returns are either flush, or higher than the highest point of the header reveal).



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2. Cut return panels using a wet saw. (*Pro tip: Often the surface wall is not perfectly level and the two end widths of the return may be different. Avoid a big joint by cutting at an angle, accounting for the different widths of the return).
3. Apply adhesive to the edge along the back of the leg and along flat panel on the wall. Position return panel flush with the edge of the leg and square to the flat side panel.



4. Apply a dot of adhesive to the top of side return edge.



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5. Place cross return across the 2 side returns. (Add additional adhesive along top edge of cross-return behind header and along the wall).



Mantel shelf

1. Apply flat strips of adhesive to tops of legs and header and on top of outer leg return. (*PRO TIP: To avoid grouting between the shelf and floral patterns in the header and legs, make sure the legs are level and the mantle shelf bonds tightly).



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2. Center and adhere mantle shelf



Finishing

1. Remove any excess glue using a razor and wet towel
2. Grout joints, washing away excess grout using a wet sponge. In a majority of cases, a generic grout, matching the color of the stone, can be purchased at a local hardware store.