

INSTALLATION GUIDE

NOTE: Stone Cast Inc. highly recommends that homeowners hire a qualified and capable mason to install our fire surrounds. They are heavy and require a special skillset to install. They are not something the average homeowner can install.

Tools and Supplies Needed

Level, drill, screw gun, angle grinder, caulk gun, stud finder, PL375 adhesive, “Polyblend” sanded grout, (Color: Bone) for Antique Swirl and Sand color, (Color: Oyster Grey) for Grey Swirl.

Before-Installation

Check with your firebox manufacturer for any fire surround guidelines and restrictions. Uncrate each piece carefully as not to chip the edges and place on a soft surface such as Styrofoam or moving blanket. Inspect each piece for damage, be sure all pieces are present and identify each piece by its number prior to installation. Be sure the hearth will not restrict the firebox access covers or firebox. Please read all six steps prior to beginning the installation process.

Installation

STEP ONE (HEARTH)

Center the hearth with the firebox making sure to space the hearth $\frac{1}{4}$ inch from the firebox. Ensure the hearth is level and the joint spacing between the hearth pieces are $\frac{1}{4}$ inch by using the tab and space feature in the hearth pieces. Apply the recommended construction adhesive PL 375 to the bottom of the hearth. Be sure there are no voids between the bottom of the hearth and the floor. Allow the hearth construction adhesive to dry for 24 hours before proceeding to the next step.

STEP TWO (LEGS)

Refer to the provided drawing along with the tab and space feature to determine the location of each leg. Be sure the legs are level and plumb. Use shims as necessary to level and plumb the legs. For best results be sure to leave $\frac{1}{4}$ inch between the back of the leg and the wall. Apply PL375 adhesive to the bottom and back of each leg then secure by screwing to the wall using the metal wall ties attached to each leg. Keep the adhesive 1 inch away

from the edges of the leg to prevent the adhesive from oozing onto the face of the cast stone during installation.

STEP THREE (HEADER)

Locate wall studs using a stud finder. Place the provided angle iron on top of the two leg pieces while lining up the pre-drilled holes with the previously marked wall studs. Screw the angle iron to the wall studs using the provided screws. Mark the location of the bracket holes on the wall. If the marked holes do not line up with a previously marked wall stud, install the provided self-tapping wall anchors using the provided template. (Note: The Fontine surround without a shelf version does not have metal brackets.) Apply PL375 construction adhesive to the top of each leg, to the inside corner of the angle iron and to the back of the header. Keep the adhesive 1 inch away from the leg edges to prevent the adhesive from oozing onto the face cast stone. Carefully install the header in place using the tab and space feature and secure by screwing the attached metal brackets to the wall.

STEP FOUR (SHELF)

Place the furnished wood blocking firmly against the top of the header and screw to the wall at the location of the previously marked wall studs. Apply PL375 construction adhesive to the top of the header where the shelf will sit on the header. Keep the adhesive 1 inch away from the header edges to prevent the adhesive from oozing onto the face of the cast stone. Apply PL375 to the top of the wood blocking. Carefully install each shelf piece using the tab and space feature. Note: When the shelf is in three pieces, mark the center piece bracket holes on the wall. Insert the self-tapping wall anchors if wall studs are not present. Install the middle piece first and end pieces last. Secure all by screwing the attached metal wall brackets to the wall.

STEP FIVE (FILLER PIECES)

Measure and cut the filler pieces to fit in the space between the mantle and firebox. Do not encroach into the firebox. The cut edges should not be exposed. Apply PL375 to the back of the filler pieces and carefully set the pieces in place. Use the provided ¼ spacers to achieve the needed ¼ joints.

STEP SIX (GROUTING)

Mix the Polybend sanded grout according to the manufactures instructions. (See the grout colors in the Tools and Supplies Needed section). Apply grout to all open joints by your preferred method. Start at the higher joints and work your way down wiping the excess grout off the face of the cast stone as you go. Continuously grouting and wiping off excess grout of the cast stone surfaces using slightly moist towels or sponges until complete.

WARNING: DO NOT LET THE GROUT DRY ON THE CAST STONE PRIOR TO WIPING CLEAN. IF GROUT IS ALLOWED TO DRY IT WILL NOT COME OFF AND WILL RUIN CAST STONE.