Summit Stone Double Woodbox Outdoor Fireplace Installation Guidelines and Concrete Pad Preparation

Before beginning any outdoor fireplace project, make sure to check with your local building inspector regarding open fire regulations in your area.

It is recommended that any Summit Stone fireplace be installed on a 5" (minimum) thick concrete pad with rebar reinforcement and proper footings. The pad should extend at least 6" beyond all sides of the proposed fireplace.

Note: The fireplace weighs approximately 10,500 lbs., including Summit Stone units, steel lintel, firebrick and incidental block.

Custom Outdoor Fireplace with Optional Arch Modification

Note: When reviewing installation guidelines, plan for any modifications before starting construction of fireplace.

The Summit Stone Double Woodbox Outdoor Fireplace consists of 500 Summit Stone Units and the following Package of Components:

1) (18) Summit Stone special cut units 
   (¾ & ½)
2) (4) Summit Stone special cut lintel pad units (left and right)
3) (5) 6" Concrete Block and (5) 3" Concrete Soaps for base
4) (16) 4" Concrete Block
5) (75) 2 ½” thick Fire Brick for the firebox
6) (1) 10 lb. pail of Heat Stop II refractory clay for adhering fire brick
7) (1) 47” x 3 ½” x 3 ½” steel lintel
   (2) 42” x 3 ½” x 3 ½” steel lintel

(Est. Weight: 10,500 lbs.)

Note: Adhesive is sold separately. Approximately 20-24 tubes of adhesive will be used, depending on the quantity applied per Summit Stone unit.
Concrete base must be a minimum 5" thick and rebar reinforced.

Concrete Adhesive

Apply recommended landscape adhesive to secure each Summit Stone unit. See your Summit Stone sales representative for information.

Note: Landscape adhesive should only be used with Summit Stone units, not on fire brick.

CAUTION

Safety Gear Required!

Note: Always wear appropriate safety gear when cutting concrete units. Cutting should occur away from the fireplace area to avoid stains from dust or residue.
Lay out your first course as shown.

Install Summit Stone units around the firebox three courses high. This is the elevation for the fireplace hearth. Vertically placed Summit Stone units will create lip in front of each of the fireboxes.

Note: Allow room for a 1 1/8” gap between the bottom row of the firebox and the front hearth. This will help balance the Summit Stone units laid perpendicular on the top of the hearth.

Firebox Area: Place 6” block with 3” concrete soaps on top (do not glue).

Two Woodbox Areas: Place 2 layers of 4” block as shown (do not glue).

First three courses completed.
Continue placing the next three courses as shown.

Courses 7 through 9 completed. Install course 10 as shown (4 lintel block are installed at this time. Field cut the trimmed block located behind lintel block). Install, but do not glue, fire brick to fit inside the firebox (this will allow rainwater drainage of firebox). It may be necessary to cut fire brick to properly fit the interior of the firebox.

Six courses completed.
Place lintels as shown (47” lintel in center position, and the two 42” lintels over woodbox openings).

Install course 11 as shown. It is necessary to trim block behind lintel back. Complete firebrick installation.

Install course 12 as shown.

Firebox Liner Installation
Line the sides and back of the firebox with fire brick stacked on their sides (6) rows high. It is recommended that the special Heat Stop II refractory adhesive, supplied with the components, should only be used to adhere the surfaces of fire brick to each other. Do not adhere fire brick to the Summit Stone units.
Completed course 12.

Begin installation of course 13.

Course 13 covers perimeter of firebox, and FRONT ONLY of woodboxes.

Begin chimney installation. Step units in or out 1\(\frac{1}{2}\)" on ALL 4 SIDES as shown on successive courses for a tapered chimney.
Completed chimney installation.

Additional Views of Completed Summit Stone Double Woodbox Fireplace. 

Ask a County Materials representative for recommended capping options for top of woodboxes.

Seasoning an Outdoor Fireplace (30-60-90 Rule)

The industry recommends a gradual seasoning for any outdoor wood burning fireplace.

After the Summit Stone Double Woodbox Outdoor Fireplace construction is completed, follow these guidelines for the 30-60-90 Rule.
Seasoning an Outdoor Fireplace (30-60-90 Rule)

On Day 3, build a fire capable of burning for 90 minutes. Let the fire burn out and allow the unit to cool completely for a minimum of one day.

Seasoning an Outdoor Fireplace (30-60-90 Rule)

After sitting for one day, start a fire capable of burning for 60 minutes. Let the fire extinguish itself and allow the unit to cool completely for a minimum of one day.

Proper installation and seasoning techniques will preserve the beauty and integrity of a Summit Stone Double Woodbox Outdoor Fireplace for years of enjoyment.

Disclaimer: This is a basic outdoor fireplace kit design. Outdoor fireplaces should always be constructed by a knowledgeable professional. Location, chimney height, flue size and prevailing winds can affect the performance of an outdoor fireplace. County, Township and municipal regulations can also be a factor in determining your outdoor fireplace design.

Materials cannot guarantee performance or structural integrity of this fireplace. Use only industry accepted materials, cements and adhesives when constructing an outdoor fireplace. Always observe building codes and local bylaws.