



LION'S HEAD STONEWORKS

A lifetime of enjoyment

BARRIE - ONTARIO - CANADA

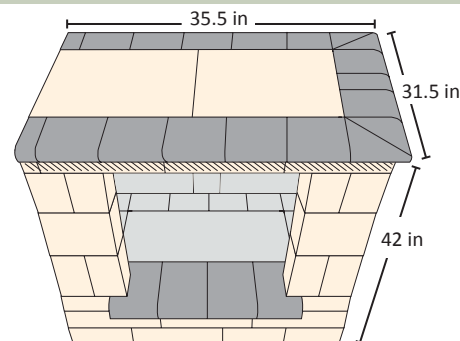
Illustrated Instructions for COLORBLOCK™ U-Connect-It System FIREPLACE WOOD BOX ASSEMBLY (right)

*Thank you for purchasing a
Lion's Head Stoneworks Fireplace Wood Box*

FIREPLACE UNIT

ORDER OF ASSEMBLY	ASSEMBLY TIME*
1. Fireplace Base (Gas or Wood Insert)	1 day
2. Wood Boxes (Right & Left)	1/2 day each box
3. Hearth	1/4 day
4. Chimney Tier 1 & 2 (with Insert)	1/2 day each tier

**Estimated assembly time once a suitable base has been prepared.
Check detailed product instructions for additional cure time for adhesive.*



Before you begin

IMPORTANT INFORMATION

For best assembly results and long term performance here are some things you should know:

- ✓ thoroughly read all INSTRUCTIONS before assembling your new **FIREPLACE WOOD BOX**
- ✓ use all the materials on a pallet before opening the next pallet
- ✓ always “dry fit” or “stage” the cut stone pieces for each row before applying adhesive
- ✓ place the color block logo stamp “up”, “down” or “inward” to the centre of the structure, so the stamp is NOT visible from the exterior
- ✓ place the stone pieces so that the best edge is exposed
- ✓ an adequate amount of adhesive was supplied with your KIT, however if you require more, contact Lion's Head Stoneworks*
- ✓ seal the structure with Techniseal® exterior masonry sealant (or equivalent) to protect the exposed stone surfaces from the elements
- ✓ wait the specified time (24 to 72 hours) before expanding the structure or putting it into use
- ✓ each unit has been pre-assembled during manufacturing to ensure all parts have been packaged, however if you need a replacement part, contact Lion's Head Stoneworks*
- ✓ **be careful NOT to mix product from different pallets. Stone pieces may appear similar, but they are NOT interchangeable**



** material and transportation costs are extra*

MATERIAL PREPARATION

Open Packaging

Find an open space in your yard near the prepared concrete pad. Place the pallets. Each pallet should be clearly marked. Open the packaging for Pallet #1. Leave the packaging on the other pallets (if there are multiple pallets) until the materials from Pallet #1 have been used.

Check Materials and Supplies

Using the following “**Materials List**”, take an inventory of the materials you should have received for your new **FIREPLACE WOOD BOX**. Also, refer to the “**Additional Tools and Supplies**” for a list of the additional tools and supplies that are needed for this assembly. These tools and supplies are commonly found at your local building supply centre.

Materials Provided

- 1 Pallet (base stones, top, coping stones & galvanized steel bars)
- 4 Tubes Mason Bond™ adhesive
- Illustrated Assembly Instructions

Additional Tools & Supplies Required

- Chalk to mark straight line
- 4-foot Level
- Wood or Composite Shims no larger than 1/16” (for leveling)
- Stop Watch or Alarm to indicate 15-minute intervals (if required)
- Tape Measure
- Utility Knife
- Caulking Gun
- Rubber Mallet (to adjust positioning of stone pieces)
- Gloves & Cleanup rags
- Techniseal® or similar sealant product and applicator (to seal visible stone surfaces)



Adhesive Instructions

The adhesive (Mason Bond™ F6200F) is a moisture cure, polyurethane adhesive formulated to **permanently** bond concrete masonry unit structures.

Exposed adhesive has a working time of **30 minutes** or less. *(Note: The higher the humidity, the shorter the working time to set or move the blocks).*

- a. Cut end of tube to 3/16" mark on the tip and puncture the inner membrane.

*** Be sure that the opening is not greater than 3/16" to prevent over-usage of adhesive and/or excess adhesive extending beyond joints and becoming visible.*

- b. Stage your blocks so that they are easily accessible and in the correct order.

- c. Apply a 3/16" bead of adhesive as illustrated.

*** It is recommended that you apply the adhesive in stages if you are unable to lay the blocks within 15 minutes since working time is limited.*

*** Only apply the adhesive to one face of the block, not both faces that will make contact.*

CLEANING INSTRUCTIONS

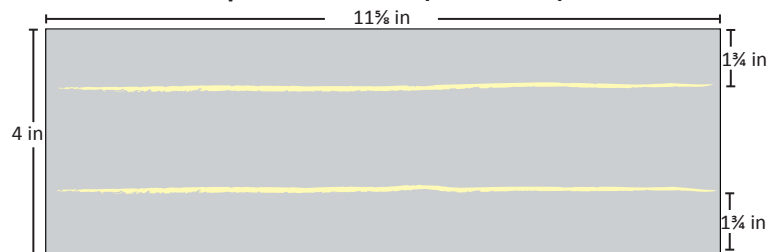
It is best to remove any excess adhesive right away using a rag before the adhesive cures. If you need to remove excess adhesive that has cured, use a utility knife or small hand grinder to scrape off the dried adhesive. If necessary, apply a commercial grade paint stripper and follow the manufacturer's directions.

For more information visit: www.itwtacc.com/masonry.html

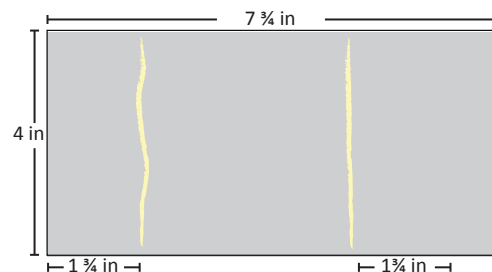
RECOMMENDED BEAD PLACEMENT FOR LION'S HEAD STONEWORKS PRODUCTS

Each yellow line represents a 3/16" bead of Mason Bond™ Adhesive and should be applied approximately 1/4" from the outside edge of the block.

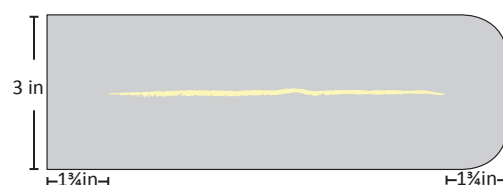
Top View of Block (Bead Joint)



Side View of Block (Head Joint)



Side View of Coping



Description of Stone Pieces

Depending on which **COLORBLOCK™ U-Connect-It System** you purchased, your KIT may contain some or all of the following stone pieces with Colorblock™ stamps:

Wall Stone: Flat surface on all six sides



Coping Stone: Flat surfaces with rounded front edge



Split Edge Stone: Flat surfaces with rugged front edge



Stone Tile: Slim rectangular flat stone with smooth surfaces



Stone Riser: Small rectangular stone with smooth surfaces





Site Preparation

a. Select a suitable location

Choose a location in your yard based on your landscape plan.

b. Prepare the base

A strong, well prepared, level base is recommended for all Lion's Head Stoneworks outdoor landscape features. (Refer to the **Base Preparation** illustrations.)

c. Chalk a line

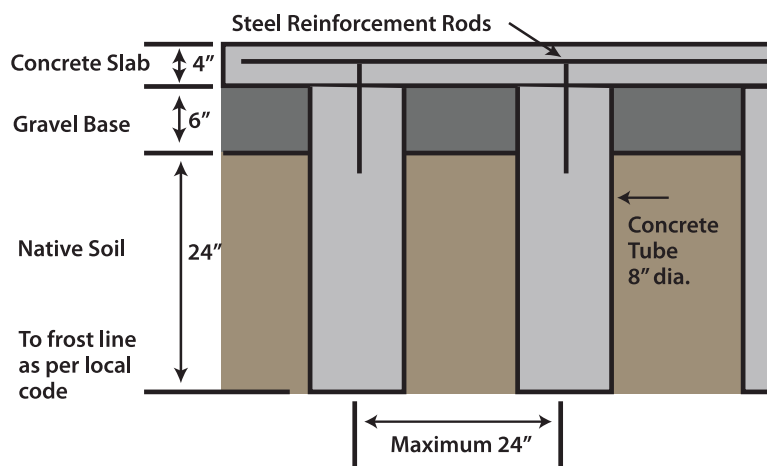
To ensure that the foundation row, and subsequent rows are laid straight, run chalk line horizontally across the pad. This will provide a straight line to follow when laying your blocks.

d. Ensure a clean surface

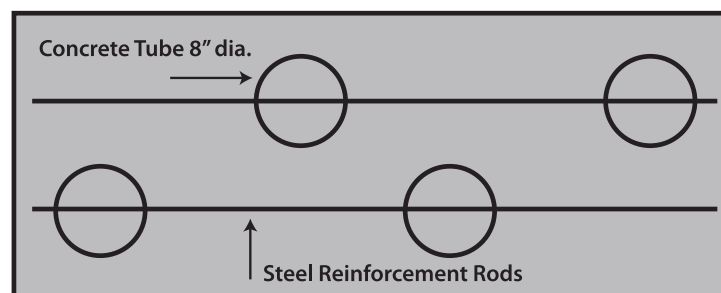
The surface of the concrete pad/base should be clean of dirt and debris before laying the foundation row.

BASE PREPARATION

(SIDE VIEW)



(TOP VIEW)



Once you have determined the location, the base has been prepared, a concrete pad is in place, and your tools & materials are set out, YOU are READY to assemble your new **COLORBLOCK™ U-Connect-It System FIREPLACE WOOD BOX**.

For best results, thoroughly read the **Assembly Instructions** before beginning.



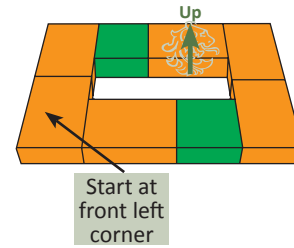
Troubleshooting

Problem	Solution
There is a cracked or broken stone piece in the KIT.	Repair the stone piece with a small amount of Mason Bond™ adhesive. For the most part, a broken piece can be repaired and will not be noticeable. If the stone piece is not repairable, contact your local dealer/place of purchase for replacement.
Excessive adhesive between joints is exposed.	If adhesive has cured, use a utility knife or hand grinder to carefully remove the excessive adhesive. If you wish to remove any remaining film, use a commercial grade paint stripper and follow the manufacturer's directions.
The pre-glued pieces that came in the KIT have split during shipping or handling.	An extra tube of adhesive was shipped with your KIT. First clean the surfaces of the stones to remove any excessive adhesive or debris with a utility knife and or hand grinder. Then re-apply new adhesive to the stones as described in the adhesive instructions provided on page 2 of the Instruction Booklet.
You are unable to identify different pieces of stone with the same ColorBlock™ logo stamp.	Refer to the Description of Stone found on page 2 of the Instruction Booklet. There you will find illustrations of the stone pieces and a short description making the stones easier to identify.
The stone pieces seem unlevel or differently sized.	Each stone piece has been pre assembled in its row to ensure a good fit. However due to the nature of the cast stone, there can be some variance in dimensions, making the stone slightly uneven. It is important that your base is well prepared and level before beginning assembly. Use composite or cedar shims beneath the stone pieces to correct the levelness as required. It is always recommended that you check the "level" and "straightness" of each row before assembling the next row.



Row 1

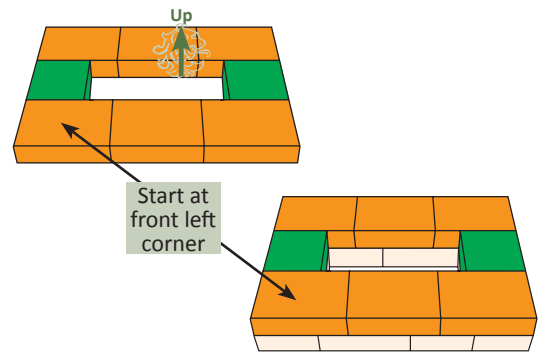
1. Retrieve the Color Block **WALL STONE** for **Row 1**.
2. Stage the blocks on the prepared concrete pad as shown (*stamps facing up*) so the blocks are in the order they will be glued and are aligned with your chalk line.
*(** Ensure that the pad surface is clean of debris and you have a chalk line to use as a guide).*
3. Once you are satisfied with their placement, remove the block from the front left corner and apply a 3/16" bead of adhesive to the bottom and the side of the block. Fasten in place.
*(**Only apply the adhesive to one surface of the block, not both side surfaces that will make contact—refer to **Adhesive Instructions**).*
4. Repeat for each block, ensuring even contact, until Row 1 is complete.



*(**Check the level and straightness of the blocks every 15 minutes and adjust the blocks as needed before the glue has set and before assembling the next row. Set a stop watch or alarm as a reminder).*

Row 2

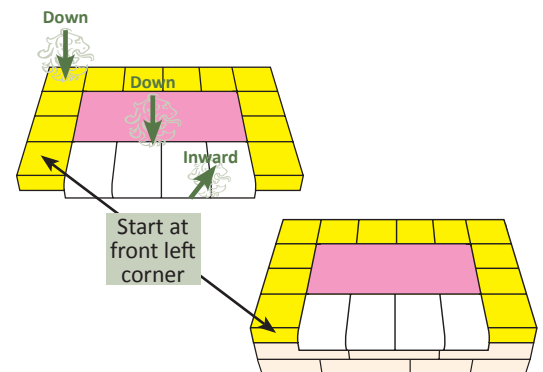
1. Retrieve the Color Block **WALL STONE** for **Row 2**.
2. Using the area around the base, stage the blocks as shown (*stamps facing up*) so they are in the order they will be glued.
3. Beginning at the front left corner, apply a 3/16" bead of adhesive around the top of the previous Wall Stone row.
*(** It is recommended that you apply the adhesive in stages if you are unable to lay the blocks within 15 minutes—refer to **Adhesive Instructions**. Use this technique when assembling the remaining rows).*
4. Place the first block on the front left corner. Apply a 3/16" bead of adhesive on the side of the first block and fasten the next block to it (*so that the block is adhered at the bottom and the side*).
5. Repeat until Row 2 is complete.



*(**Check your level and straightness before continuing).*

Row 3

1. Retrieve the **24" x 12" STRAIGHT EDGE COPING STONE** for **Row 3**.
2. Set the coping stone as shown (*yellow stamps facing down; adhesive not required*).
*(**Ensure that the coping stones are square (centred front to back & side to side using a tape measure) and level (shim as needed)).*
3. Retrieve the Color Block **COPING STONE** for **Row 3**.
4. Using the area around the base, stage the blocks as shown (*pink stamp facing down, white stamps facing inward*) so they are in the order they will be glued.
5. Beginning at the front left corner, apply a 3/16" bead of adhesive around the top of the previous Wall Stone row (*or in 15 minute stages*).
6. Place the first block on the top front left corner. Apply a 3/16" bead of adhesive on the side of that block and fasten the next block to it.
7. Repeat until Row 3 is complete.

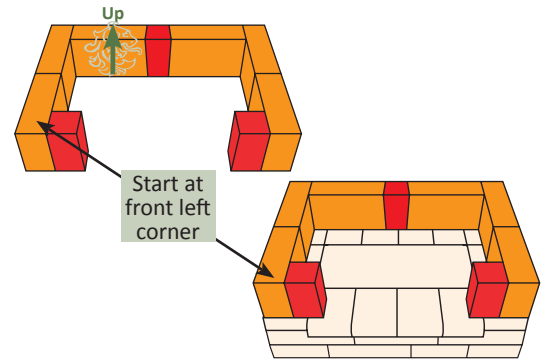


*(**Check your level and straightness before continuing).*



Row 4

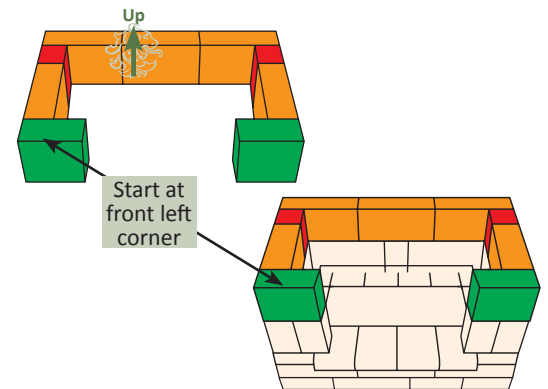
1. Retrieve the Color Block **WALL STONE** for **Row 4**.
2. Using the area around the base, stage the blocks as shown (*stamps facing up*) so they are in the order they will be glued.
3. Beginning at the front left corner, apply a 3/16" bead of adhesive around the top of the previous Wall Stone row (*or in 15 minute stages*).
4. Place the first block on the top front left corner. Apply a 3/16" bead of adhesive on the side of that block and fasten the next block to it.
5. Repeat until Row 4 is complete.



(**Check your level and straightness before continuing).

Row 5

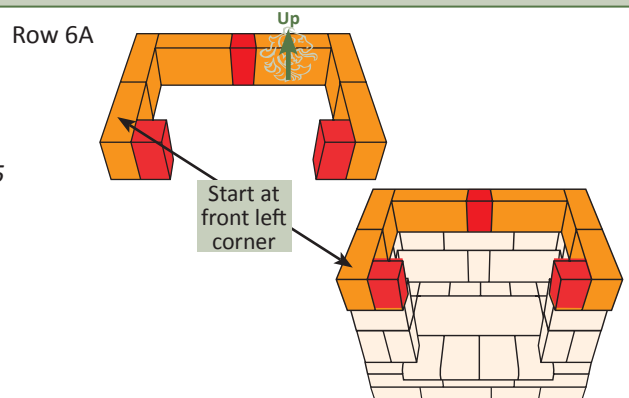
1. Retrieve the Color Block **WALL STONE** for **Row 5**.
2. Using the area around the base, stage the blocks (*stamps facing up*) as shown so they are in the order they will be glued.
3. Beginning at the front left corner, apply a 3/16" bead of adhesive around the top of the previous Wall Stone row (*or in 15 minute stages*).
4. Place the first block on the top front left corner. Apply a 3/16" bead of adhesive on the side of that block and fasten the next block to it.
5. Repeat until Row 5 is complete.



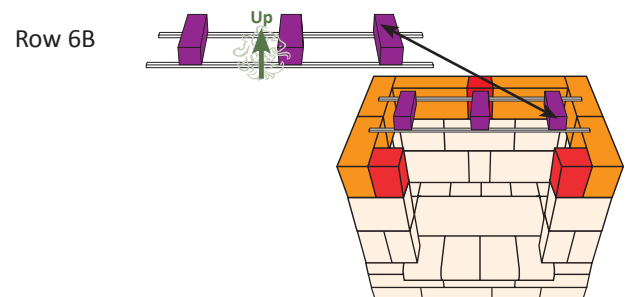
(**Check your level and straightness before continuing).

Row 6A & B

1. Retrieve the Color Block **WALL STONE** for **Row 6A**.
2. Using the area around the base, stage the blocks as shown (*stamps facing up*) so they are in the order they will be glued.
3. Beginning at the front left corner, apply a 3/16" bead of adhesive around the top of the previous Wall Stone row (*or in 15 minute stages*).
4. Place the first block on the top front left corner. Apply a 3/16" bead of adhesive on the side of that block and fasten the next block to it.
5. Repeat until Row 6A is complete.



1. Retrieve the **GALVANIZED STEEL BARS** and **STONE RISERS** for **Row 6B**.
2. Place the Steel Bars evenly apart as shown ensuring they hang on the block wall about 1/2" on each end.
3. Place the Stone Risers on top of the Steel Bars as shown (*stamps facing up*). Each riser must be positioned to provide support to the seam lines of the Stone Tiles shown in Row 8A (*adhesive not required*).

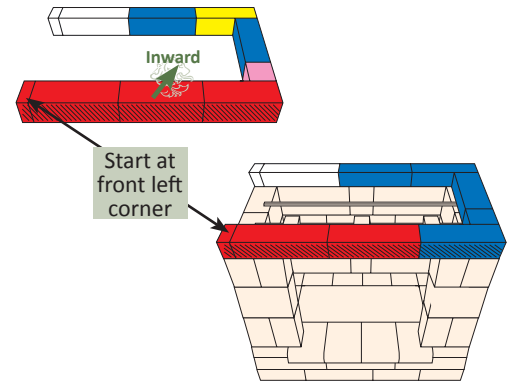


(**Check your level and straightness before continuing).



Row 7

1. Retrieve the Color Block **SPLIT EDGE STONE** for **Row 7**.
2. Stage the blocks on top of Row 6 as shown (*stamps facing inward*) so they are in the order they will be glued.
3. Once you are satisfied with their placement, remove the block from the front left corner and apply a 3/16" bead of adhesive to the bottom and the side of the block. Fasten in place.
4. Repeat until Row 7 is complete.
*(**Use a tape measure to ensure the blocks hang an equal distance over the outer sides).*

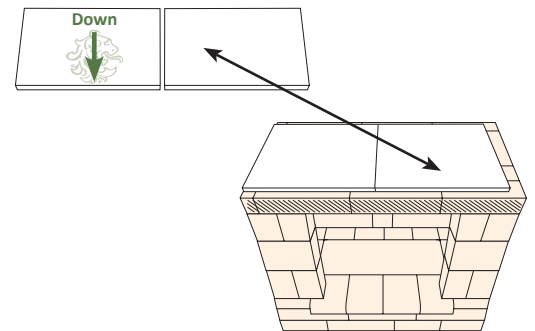


*(**Check your level and straightness before continuing).*

Row 8A & B

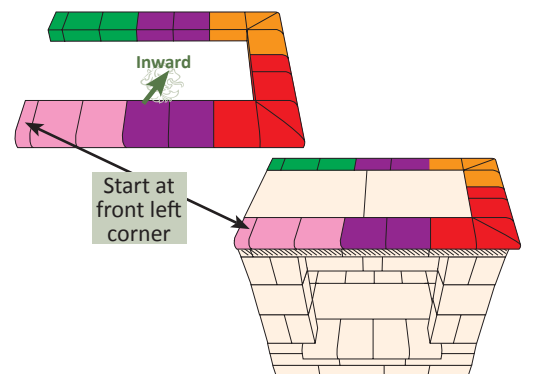
1. Retrieve the Color Block **STONE TILES** for **Row 8A**.
2. Set the tile in place as shown (*stamps facing down; adhesive not required*).
*(**Adjust the Risers as needed to support the seam lines of the Stone Tiles; ensure the stone tiles are square (centred front to back & side to side using a tape measure). Shim the stone tiles as needed to ensure a level surface).*

Row 8A



3. Retrieve the Color Block **COPING STONES** for **Row 8B**.
4. Stage the coping stones on the top row as shown (*stamps facing inward*).
*(**Ensure the coping stones are square and level using a tape measure and shims as needed).*
5. Once you are satisfied with their placement, remove the block from the front left corner and apply a 3/16" bead of adhesive to the bottom and the side of the block. Fasten in place.
6. Repeat until Row 8B is complete.

Row 8B



CONGRATULATIONS, you have completed your FIREPLACE WOOD BOX assembly.

IMPORTANT

It is recommended that you seal the stone structure with Techniseal® exterior masonry sealant (or equivalent) to protect the exposed stone surfaces from the elements. Visit the product website for more information: www.techniseal.com.

Let the Mason Bond™ adhesive cure 24 hours before placing wood in the FIREPLACE WOOD BOX.



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