

Inspired by Nature.....



NEXTSTONE
INSTALLATION
MANUAL

CONTENTS

Forward and Important Notes	3
Product Line	4—7
Basic Tools	8
Preparing the Wall	9—10
Starter Strip Installation	11
Corner Installation	12—19
Panel Installation	20—24
Accent Rock Installation (<i>for Random Rock Panels Only</i>).....	25
Trim Installation	26—30
Mounting Block Installation	30
Column Wrap and Post Cover Installation.....	31—40
Mitered Corner Installation	41—42
Mailbox Installation	43—46
Touch Up	47
Clean Up	48
Frequently Asked Questions	49—50
NextStone Take Off Guide	51—53
Specification Data	54—56
Material Safety Data Sheet	57—58
Warranty Information	59

FORWARD

Compared to real or cast stone, NextStone polyurethane products are designed for an easier, quicker installation requiring fewer steps. Masonry skills are not required. This Manual provides basic guidelines for NextStone installation. Additionally, it is recommended that Installers review applicable building codes for specific products and/or geographic areas. This publication is not intended to provide specific advice, legal or otherwise, on particular products or processes. Readers should consult with their own legal and technical advisors, suppliers, and other appropriate sources including but not limited to product or package labels, technical bulletins and sales literature that contain information about known health and safety risks. NextStone does not assume any responsibility for the users non-compliance of applicable laws and regulations.

IMPORTANT NOTES

This Installation Manual should be used as a guide for installation of NextStone Products. It is the responsibility of the Contractor and/or the Installer to ensure panels are installed in accordance with these instructions and any applicable building codes. The manufacturer assumes no liability for either improper installation or personal injury resulting from improper use or installation.

STORAGE AND TRANSPORTATION

All panels must be stored flat, in the box, at 65° Fahrenheit when possible, until ready for installation. While polyurethane has minimal expansion and contraction, the effects of expansion and contraction can be minimized by avoiding installation during periods of extreme heat or cold. Do not store in direct sunlight before installing.

INSTALLATION BASICS

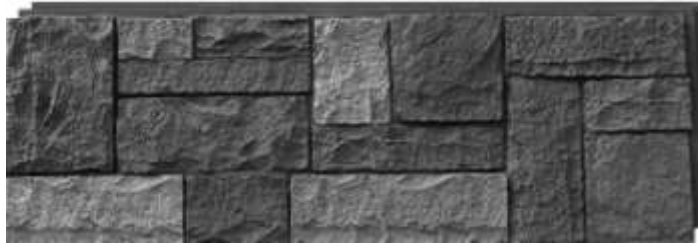
Never leave cut edges of NextStone products exposed. Exposed Polyurethane will discolor with exposure to sunlight. Use NextStone touch-up paint or other color match with a good quality latex paint.

All products must be allowed to acclimate; removed from boxes and stored flat at the installation site for a minimum of 48 hours or until properly acclimated prior to installation. Heat and moisture cause expansion. Best results are obtained by installing cool, dry product. **NextStone does not warrant against gapping caused by expansion and contraction.**

PRODUCT LINE

PANELS

Castle Rock Panel - Castle Rock Panels provide a more seamless design with vertical stones. Panels dimensions are 43 ½" x 15 ¼" x 1 ¼" and cover 4.03 square feet each.
(4 panels per carton)



Random Rock Panel - The original NextStone product with the look of quarried stone. Panels dimensions are 15 ½" x 48" x 1 ½" and cover 4.75 square feet.
(4 panels per carton)



Slatestone Panel - Slatestone panels provide a faux look finish. Dimensions are 43" x 8 ¼" x 1 ¾" and cover 2.14 square feet. Stones vary from 1 ¼" to 2" in height and have interlocking ends.
(8 panels per carton)



Stacked Stone Panel - Stacked Stone is the new and improved Drystack panel. Dimensions are 46 ½" x 13 ¼" x 1 ½" and cover 3.63 square feet each. Stones vary in height and the panels have interlocking ends. Stacked Stone Panels will retro fit with the discontinued Drystack Panels. (5 panels per carton)



PRODUCT LINE

Castle Rock Outside Corner - 4pcs. per carton (2 left, 2 right). 11" x 15 ½" (long Side) and 7" x 15 ½"(short side). Used to wrap 90° corners and sit flush to Castle Rock Panels, preventing compound miter cuts and caulking of the joints.
(shown as 1 left)



Random Rock Outside Corner - 4pcs. Per carton (2 left, 2 right). 11" x 15 ½" (Long side) and 7" x 15 ½"(short side) Used to wrap 90° corners and sit flush to Random Rock Panels preventing compound miter cuts and caulking of the joints.
(shown as 1 left & 1 right)



Slatestone Outside Corner - 4pcs. per carton (2 left, 2 right). 12¾" x 8¼" (long side) and 4 ¼" x 8 ¼" (short side). Used to wrap 90° corners and sit flush to Slatestone Panels preventing compound miter cuts and caulking of the joints.
(shown as 1 left and 1 right)



Stacked Stone Corner - 4pcs. per carton (2 left, 2 right). 13¾" x 12" (long side) and 4 ¼" x 12" (short side). Used to wrap 90° corners and sit flush to Stacked Stone Panels preventing compound miter cuts and caulking of the joints.
(shown as 1 right)



PRODUCT LINE

SANDSTONE ACCESSORIES

Metal Starter Strip - 2" x 48" lengths-Used to begin the first (bottom) course of NextStone panels by securing the bottom panel and avoiding the need to face screw. Ensures level installation.



Sandstone Window and Door Trim - 4pcs. per carton. 2½" x 4" x 48". Used to trim around doors and windows. Can also be used as termination ends for wall applications.



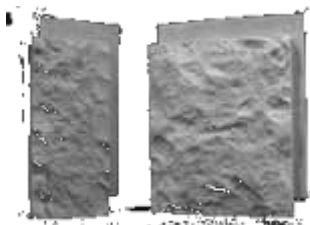
Sandstone Outside Corner - 2pcs. per carton. 5½" x 5½" x 48". Used on 90 degree outside corners. Installed prior to the panels. Panels will then fit securely behind the corners.



Sandstone Inside Corner - 2pcs. per carton. 3½" x 3½" x 48". Used on 90 degree inside corners. Installed prior to the panels. Panels will then fit securely behind the corners.



Large and Small Accent Rocks - Add to Random Rock Panels for a castle stone effect. Large (11½" x 15 ½") or small (7" x 15 ½") Each box contains 3 rocks with the light, medium, and dark shades of the panel. Adds 3.71 sq.ft of coverage.



PRODUCT LINE

Ledger 4pcs. per carton. 2½" x 4" x 48". Used as a water sill and aids in the transition between other siding products and NextStone Panels in wainscot installations.



Ledger Outside Corner - 2pcs. per carton, 4¼" x 6¼" Used to wrap corners in conjunction with Ledgers. Prevents the need for compound miter cuts or caulking 90° joints.



Ledger Inside Corner - 2pcs. per carton, 9 ¾" x 7 ⅝" Used to wrap corners in conjunction with Ledgers. Prevents the need for compound miter cuts or caulking 90° joint.



Sandstone Small Mounting Block - 8" x 9". Used behind hose bibs, electrical boxes, small electrical fixtures, etc., to provide a flush mounting surface and watertight installation.



Sandstone Large Mounting Block - 10" x 13". Numerous uses such as mounting large exterior lights or as a house address block. Provides a flush mounting surface form\ watertight installations.



30" Slatestone Column Wrap - 4 piece. (Each face measures 30" x 15½"). Use to conceal 14½" x 14½" create posts and columns. Can be capped using the Sandstone Column Wrap Cap (18" x 18") Columns can be stacked for taller post applications.



Slatestone Post Cover - 1 piece post. (Each face measures 41" x 8"). Can be installed over any 4 x 4 or 6 x 6, or create columns. Can be capped using the Post Cap (10½" x 10½"). Posts can be stacked for taller post applications. Converter Kits are available for 4x4 posts.



22" Slatestone Mailbox Enclosure - 22" x 22" x 52". Install over 4x4 posts. Complete kit includes solar lighting, copper mailbox, Flag, and necessary hardware.



BASIC TOOLS /EQUIPMENT

SAFETY EQUIPMENT

Always wear safety glasses for eye protection. Wearing a dust mask is recommended.

HAND TOOLS

Circular saw with steel or carbide tip blade (NextStone does not dull blades and requires no special blade), 4' level, tape measure, chalk line, power or cordless drill with 4" bits or extension, framing square or speed square, jigsaw or saber saw, wood rasp, and caulking gun.



FASTENERS

For exterior applications, good quality deck screws or stainless steel screws are recommended. Applications on concrete require mechanical fasteners and possibly an adhesive for additional support (*adhesive is not required for installation*). There are numerous products on the market, such as concrete screws, to accomplish this as well as new adhesives which may not require mechanical fasteners. For Interior Applications, flat head screws are recommended depending on substrate. The length of the screw will vary depending on the panel, trim or accessory piece being installed. Verify length under section specific to product being installed. Using the screw guide points, screw through the substrate and into a stud when practical, with a **minimum of 6 screws per panel and a screw no less than 1" from each end of the tongue as well as in the bottom right corner of the tongue**. Plumbers tape is used to install outside corners (*non flush*). Allow 1 roll for 4 outside corners.

ADHESIVE

The use of adhesives are optional however it may allow for an easier installation process. NextStone recommends the use of a good quality polyurethane adhesive such as Sonneborn CX- 948, PL Premium Construction Adhesive or Sonneborn Premium. Solvent based adhesives (most construction adhesives) are not compatible with polyurethane and should never be used. The surface where the adhesive is to be applied, must be sanded and cleaned with a vertical application of the glue. If using an adhesive other than those NextStone recommends, test on a panel prior to beginning installation.

PREPARING THE WALLS

NEW CONSTRUCTION

Step 1

All studs must be straight and true to avoid bulges or dips in the finished wall. Correct any bowed studs at this time.

Step 2

All sheathing must be properly fastened to the framing according to building code requirements and/or the sheathing manufacturer's recommendations. NextStone should be applied over a sheathing that provides a smooth, flat, solid, non-expansive, stable surface. Consult local building codes for additional sheathing requirements.

Step 3

Sub wall assembly must be weather tight before applying NextStone. NextStone accessories alone may not constitute a waterproof installation. **Wall sheathing should be weather-resistant, or covered with a weather-resistant barrier such as fanfold insulation, housewrap, or building paper. Independent studies indicate that the combination of a weather resistant barrier plus a house wrap results in improved weather performance.** Some building code jurisdictions are currently requiring this protection. A weather-resistant covering should be properly fastened according to the manufacturer's instructions, and be smooth and even. Flashing and caulking should be added as needed in such areas that transition from NextStone ledgers to other siding products, windows, and doors to control moisture and protect the sub wall assembly.

EXISTING STRUCTURES

Step 1

Secure or remove any loose siding and replace rotten wood. Scrape off loose caulk and other build-up that may interfere with NextStone installation. Remove all items such as downspouts, light fixtures, vents. etc. in the area to be covered.

Step 2

Install suitable sheathing, as needed, to provide a smooth, flat, and stable surface for the installation of NextStone panels. **See information in step 3 of the New Construction section for additional instructions on sub wall protection and flashing.**

PREPARING THE WALL

OVER MASONRY SUB-SURFACE

Step 1

A smooth, flat, stable surface is required for proper installation of NextStone. Concrete walls may need some filling to unless they are in a smooth, flat condition. Uneven walls may require furring strips to provide a flat surface.

Step 2

When applying NextStone directly to concrete walls the use of concrete screws is recommended. Please refer to page 8 for fastener information. NextStone recommends testing these products or consulting with the manufacturer before using this or similar products.



STARTER STRIP INSTALLATION

STARTER STRIP

Step 1

In order for NextStone panels to be installed properly and in a level fashion, the starter strip at the bottom of the wall must be level.

Step 2

Mark the wall horizontally where you want the bottom of the panel to rest. Measure up $2\frac{3}{4}$ " and partially drive a nail at one corner for attaching your chalk line.

Step 3

Attach a chalk line: go to the next corner, repeat step 2, and pull the line taut. Make sure the line is level by using a line level or 48" level.

Step 4

Snap the chalk line and repeat the procedure on each area to be covered.

Step 5

Backset the starter from the edge $1\frac{3}{4}$ " for outside corners, $2\frac{1}{4}$ " for door/window trim, $3\frac{3}{4}$ " for inside corners or 2" for Flush Outside Corners.

Step 6

Place the top edge of the starter strip on the chalk line with the "v" at the bottom away from the wall. Screw the starter to the substrate using screws every 16". Check for level. This will give $\frac{3}{4}$ " clearance from the bottom of the panel to the ground. If additional clearance is required, adjust the starter strip height accordingly.



CORNER INSTALLATION

OUTSIDE CORNERS Sandstone and Ledgestone

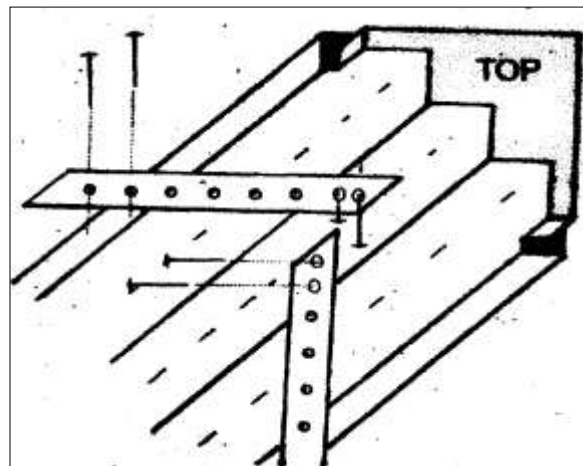
Step 1

Determine how you plan to finish the corner as this will dictate the length of the corner when using proud corners versus flush. Corners can be finished with ledger or ledger corners. For a ledger, finish the top of the corner (the end with the lip on top) should be $1 \frac{3}{8}$ " below the top of the flange on the top panel.

Dry fit if the top panel must be cut horizontally.

Step 2

Cut 6 pieces of plumbers strap approx 6" long. With the corner upside-down so that the "stair-step" blocks are exposed, attach the strap to the top block on the left side so that it extends out at a right angle to the corner, do the same to the 3rd block and to the bottom block, then to the same three blocks on the right side.

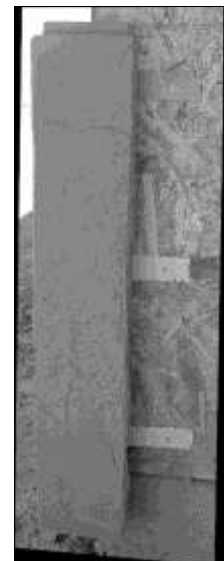


Step 3

Apply the corner so that the bottom of the corner lines up with the bottom of the first panel and screw through the end of the strap into the structure.

Step 4

If more than one length of outside corner is required, stack the corners by locking the male end at the top of the corner to the female end on the bottom of the corner.



CORNER INSTALLATION

INSIDE CORNERS Sandstone and LedgeStone

Step 1

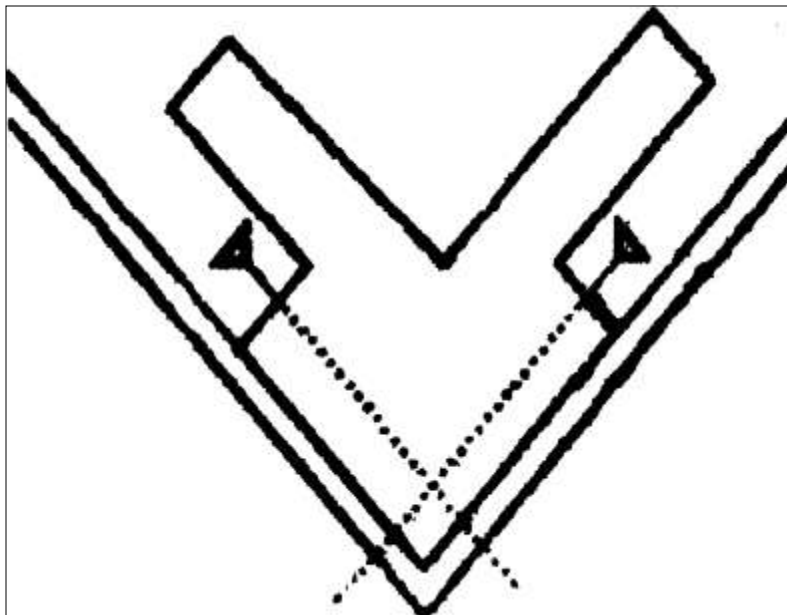
Determine how you plan to finish the corner as this will dictate the length of the corner. Corners can be finished with ledger or ledger corners. For a ledger finish, the top of the corner (the end with the lip on top) should be 1 5/8" below the top of the flange on the top panel. Dry fit if the top panel must be cut horizontally.

Step 2

Locate corner so that the bottom of the corner will be flush with the bottom of the bottom panel. Screw thru the recessed channel at top, bottom and middle of each side of the corner using at least a 4 1/2" screw. Adhesive maybe applied to the blocks on the back side of the corner, if appropriate for the installation.

Step 3

If more than one length of outside corner is required, stack the corners by locking the male end at the top of the corner to the female end on the bottom of the corner.

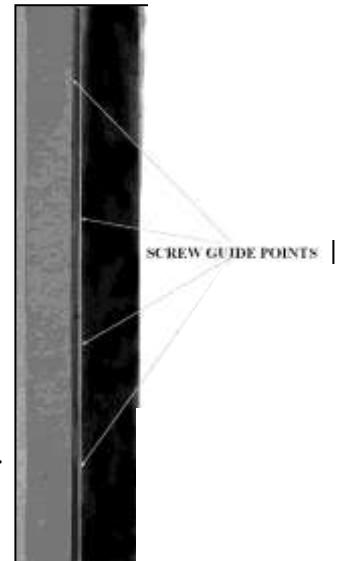


CORNER INSTALLATION

SANDSTONE FLUSH OUTSIDE CORNER

Step 1 - Install Moisture Barrier

Flush mounted corners allow possible moisture infiltration between the panel and the corner, therefore, a moisture barrier may be required behind the panels and corner extending a minimum of 4" from either side of the corner. A self-adhering flashing membrane such as Grace Vycor® is recommended.



Step 2 - Locate the Corner

Flush mounted outside corners are available in 4' heights. The placement of the corners will depend on how the top of the corner is terminated. For applications over 48" in height, the corner pieces are stackable with the final corner cut to the required height. For wainscot applications, the corner can be capped with a ledger attached to the tongue of the top panel and cut with a compound miter at a 45° angle, or a Ledger Outside Corner. In this application the top of the corner should be placed 2" below the top of the tongue on the top panel.

Step 3 - Install the Corner

The corner has screw guides or dimples to help position the screws using the correct angle. There are also screw guides along the sides. All screws are installed at an angle and at a location where they will be concealed. Install two screws through the top and at least 4 on each side. Good quality exterior screws, #6 or #8 x 2 1/2" are recommended.



Step 4 - Install the Panels

Install the remaining accessories and finish the panels. The joints between the panels and the corner must be caulked using a good quality caulk or textured grout to make a water-tight installation. Installation instructions are included in the box of panels or go to www.NextStone.com for more details.



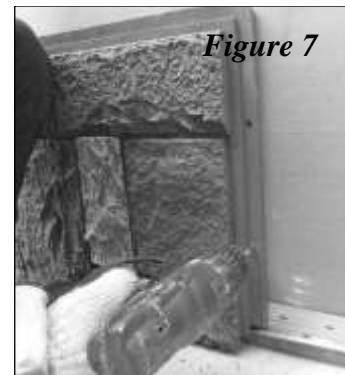
CORNER INSTALLATION

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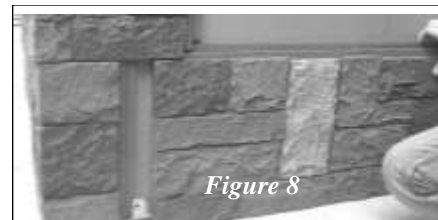
CASTLE ROCK OUTSIDE CORNER

Step 1-Start the 1st course from the outside corner of the wall. Place starter strip top 2 ¾" above the desired starting height of the wall, recess the strip 2" from each side of the corner edge.

Step 2-Set the Castle Rock outside corner piece against the corner and down into the starter strip. Use the screw guides and place at least 3 screws along the tongue. Place 2 screws in the right lap side of the panel where indicated. (Fig. 7)



Step 3-Attach the panels working in from each corner as previously described. (Fig. 8)



Note: There are 4 patterns of the Castle Rock Outside Corner. 2 Left patterns and 2 Right patterns. Check for the number on the inside of each corner. Corners are numbered 1 through 4. Alternate left and right corners with each course preventing pattern repetition.

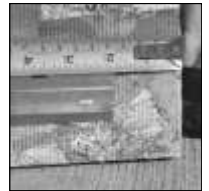
CORNER INSTALLATION

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RANDOM ROCK OUTSIDE CORNER

Step 1 - Attach Starter Strip

1. Measure 2 $\frac{3}{4}$ " up the wall from the base at each end of area to be covered and mark.
2. Snap a chalk line between two marked points.
3. This will provide $\frac{1}{4}$ " clearance between bottom of panel and base or floor. If more clearance is required, adjust accordingly.
4. Backset the starter strip from the corner 1 $\frac{3}{4}$ ".
5. After allowing proper width for accessories, position starter strip with **top edge** on chalk line and so that the "v" is at the bottom of starter strip and away from wall.
6. Attach starter strip with screws on 16" centers or into strong substrate
7. Check starter strip with level



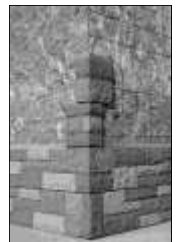
Step 2 - Install Random Rock Outside Corners

1. Corners can be finished with a Ledger (requires miter cutting) or Ledger Outside Corner. Top of corner (end with lip on top) should be 1 $\frac{3}{8}$ " below top of flange on top panel. Dry fit if top panel must be cut horizontally.
2. There are 4 designs. Alternate designs 1,2,3,4 and repeat when continuing up the wall. Be sure and alternate "left" and "right" pieces to break up vertical lines.
3. Slide the corner piece down onto the starter strip snugly and screw the top nailing strip where indicated.
4. Slide the second corner over the top of the 1st piece and secure as described above.



Step 3 - Using the Converter strip for Random Rock Outside Corner.

If the job requires 2 outside corners to be finished with no breaks between them, when working from the left moving right, the final panel piece must be cut and converted to a "male" tongue for proper fit and grout lines to be maintained.



1. Measure the distance from the last panel tongue to the leading edge of the outside corner. Subtract $\frac{3}{8}$ ". Cut the panel to this length.
2. Turn the panel over and measure in from the cut side $\frac{5}{8}$ ". Scribe a line down the back.
3. Set the saw blade for $\frac{3}{8}$ " depth and follow the scribed line (Fig. 1). Use a box knife or chisel to complete the dado channel in the back.
4. Attach the Converter strip using hot glue, Polyurethane adhesive, or super glue gel. Make sure the tongue matches in depth and height. (Fig. 2)

RANDOM ROCK OUTSIDE CORNER, Cont.

5. After curing, fill any gaps between the panel face and converter piece with NextStone grout. Fill from the back side to insure a solid grout line is achieved (Fig. 3). Use putty knife along rock edges to achieve a smooth surface. After it becomes tacky, use touch up kit to paint the exposed edges and grout (Fig. 4).

6. Attach the piece as if it were a full panel (Fig. 5).



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5

1 - If terminating the run on the right side with other trim pieces, follow these instructions— For 2 facing Outside Corners follow Section 3 on previous page. Starting from the left, take a full panel and attach the bottom tongue into the starter strip groove, lock in place, and slide the panel left behind the accessory piece, see back. Using the screw guide points, screw through the substrate and into a stud when practical, with a minimum of 6 screws per panel and a screw no less than 1" from each end of the tongue as well as in the bottom right corner of the tongue. Working left to right continue installing panels in the bottom course making sure each panel is properly set in the starter strip. For the last panel in the course, measure from the edge of the grout line to the accessory piece, add 1" If sliding behind a trim piece, cut the last piece until the panel is locked in the starter strip, then slide panel back to the left until the shiplap sides are joined. Check for level.



2 - Install the remaining courses by beginning the course from the left with full panels. The stagger is built in with the corner pieces. Slide the panel down over the tongue of the first row. Install remaining panels in the course, end row as before, and check for level. Align panels using the alignment mark at each side on the tongue. Do not align panels using the top of the tongue. The remaining courses are installed the same way. **Stagger the NextStone butt joints so that no two courses are aligned vertically unless separated by three courses.** All exposed edges should be painted and caulked behind trim pieces.



3 - Cut panels around fixtures and other wall protrusions (hose bibs, electrical boxes, dryer vents, etc) to accommodate NextStone Mounting Blocks. See Install instructions, page 25 or *NextStone.com* for details on how to cut panels and install the mounting blocks.

OPTIONAL ADHESIVE INSTALLATION

Step 1 - Lightly sand ridges on the back of the panel to remove any mold release agent that may have adhered to the panel. The mold release agent will interfere with the adhesion of the panel.

Step 2 - Apply a $\frac{3}{8}$ " bead of adhesive along vertical ridges of the panel.

Step 3 - Remember to always use a quality that is compatible with polyurethane. In order for adhesives to set properly, mechanical fasteners may be required to hold panels in place.

CORNER INSTALLATION

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SLATESTONE OUTSIDE CORNER

Step 1

Metal Starter Strip - Determine at what height above grade level you want the panel to sit. Measure up 2 ¾" from this point and strike a level line. Attach the top of the starter strip on this line. End the strip 2" from each side of the corner.



Step 2

Set the Slatestone outside corner piece against the corner and down into the starter strip. Use the screw guides and place at least 3 screws along the tongue. Place 2 screws in the right lap side of the panel where indicated.



Step 3

Attach the panels working out from each side of the corner as previously described.



Note: There are 4 patterns of the Slatestone Outside Corner. 2 Left patterns and 2 right patterns. Check for numbers on the backside of the piece. They are numbered 1 through 4. Alternate left and right corners with each course to prevent pattern repetition.



CORNER INSTALLATION

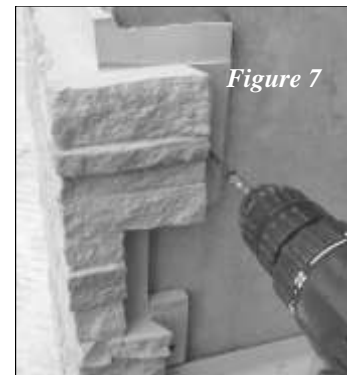
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STACKED STONE OUTSIDE CORNER

Step 1

Metal Starter Strip - Determine at what height above grade level you want the panel to sit on. Measure up 2 ¾" from this point and strike a level line. Attach the top of the starter strip on this line. End the strip 2" from each side of the corner.

Step 2-Set the Stacked Stone outside corner piece against the corner and down into the starter strip. Use the screw guides and place at least 3 screws along the tongue. Place 2 screws in the right lap side of the panel where indicated. (Fig. 7).



Step 3-Attach the panels working out from each side of the corner as previously described. (Fig. 8)



Note: There are 4 patterns of the Stacked Stone Outside Corner. 2 Left patterns and 2 right patterns. Check for numbers on the backside of each corner piece. They are numbered 1 through 4. Alternate left and right corners with each course to ensure offsets and to prevent pattern repetition.

PANEL INSTALLATION

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CASTLE ROCK PANEL

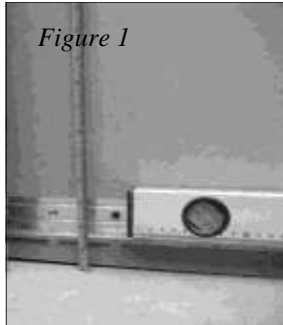


Figure 1

Step 1

Metal Starter Strip - Determine at what height above grade level you want the panel to sit. Measure up 2 ¾" from this point and strike a level line. (Fig. 1)

Determine which type of wall installation is required.

1) Paneling the wall terminating to an inside corner.

Install Window and Door Trim (WDT) to both ends of the wall. (see last paragraph for detail on installing WDT). Insert panel into starter strip and slide behind WDT. Attach to the wall using the screw indicator marks on the top and right end tongues. (Fig. 2) Firmly press the next panel against the first panel and repeat working left to right. At the end of the course; cut the right end of the final panel to fit behind WDT. Use the drop off from that panel to start the new row behind the left end WDT. Stagger the joints of the panel ends up the wall. If necessary, cut some additional length from the off fall pieces on some rows to prevent panel ends from lining up vertically.



Figure 2

2) Paneling a wall with one outside corner on the right.

Dry fit the first corner into the starter strip. Secure with screws if necessary. Moving from right to left: dry fit panels tightly across the wall. Cut the left end of the final panel behind the WDT or flush to the wall. Remove the dry fit panels and corner piece. Panel the wall from left to right as in example 1). Reattach corner over right panel. Repeat on each row.

3) Paneling a wall with outside corners on the right and left.

When there are 2 outside corners with no break in the wall (no window or door opening) panels may need be cut if the wall will not accommodate all full panels. On each course, work from left to right and dry fit as described earlier. Decide on each course which panel to cut. Dry fit full panels from each end until less than one panel length remains in the middle. Measure from the rock edge on the right side of the left panel to the left edge of the right panel (Fig. 3). Cut the final panel to this length. Stagger the placement of the cut panels up the wall to avoid verticals line. After cutting the panel, lightly rasp the top of the cut edge to smooth the edge and blend it with the rocks of the next panel (fig 4). Touch up any exposed Polyurethane edges with a NextStone Touch Up Paint Kit and Caulk (sold separately) (Fig 5). Slide in the final panel and attach (Fig. 6).

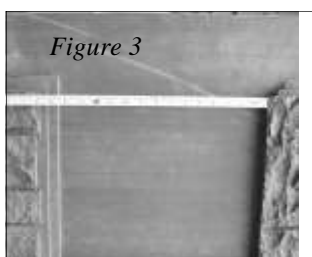


Figure 3

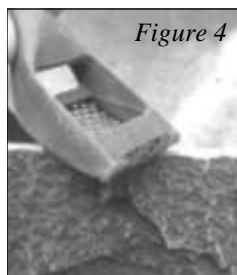


Figure 4

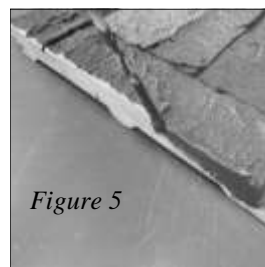


Figure 5

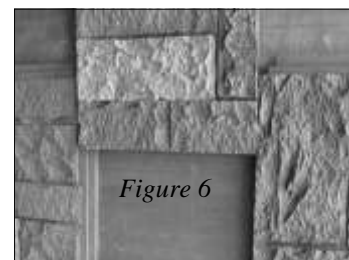


Figure 6

PANEL INSTALLATION

All products must be allowed to acclimate; removed from boxes and stored flat at the installation site for a minimum of 48 hours or until properly acclimated prior to installation. Heat and moisture cause expansion. Best results are obtained by installing cool, dry product. **NextStone does not warrant against gapping caused by expansion and contraction.**

RANDOM ROCK PANEL

Step 1

Starting from the left, take a full panel and attach the bottom tongue into the starter strip groove, lock in place, and slide the panel behind or against the accessory piece. Using the screw guide points, screw through the substrate and into a stud, when practical, with a minimum of 6 screws per panel and a screw no less than 1" from each end of the tongue as well as in the bottom right corner of the tongue.

Working left to right continue installing panels to the bottom course making sure each panel is properly set in the starter strip. For the last panel in the course, measure from the edge of the grout line to the accessory piece and add 1". If installing behind corners, cut the last piece and slide behind or against the accessory piece until the panel is locked in the starter strip, then slide panel back to the left until the shiplap sides are joined. Check for level.



Step 2

Install the remaining courses by beginning the second course from the left using the off fall from the previous course if possible. Slide the panel down over the tongue of the first row. Then slide the panel left behind or against the trim piece and screw in place as before. Install remaining panels in the course, end row as before, and check for level. Align panels using the alignment mark at each side on the tongue. Do not align panels using the top of the tongue. The remaining courses are installed the same way. **Stagger the NextStone butt joints so that no two courses are aligned vertically unless separated by three courses.** All exposed edges should be behind trim pieces or painted to finish.



Step 3

Cut panels around fixtures and other wall protrusions (hose bibs, electrical boxes, dryer vents, etc) to accommodate NextStone Mounting Blocks. See page 25 for details on how to cut panels and install the mounting blocks.

2	3	4	1
1	2	3	4

OPTIONAL ADHESIVE INSTALLATION

Step 1 - Lightly sand ridges on the back of the panel to remove any mold release agent that may have adhered to the panel. The mold release agent will interfere with the adhesion of the panel.

Step 2 - Apply a $\frac{3}{8}$ " bead of adhesive along vertical ridges of the panel.

Step 3 - Remember to always use a quality adhesive and is compatible with polyurethane. See page 8 for manufacturer's recommendations. In order for adhesives to set properly, mechanical fasteners may be required to hold panels in place.

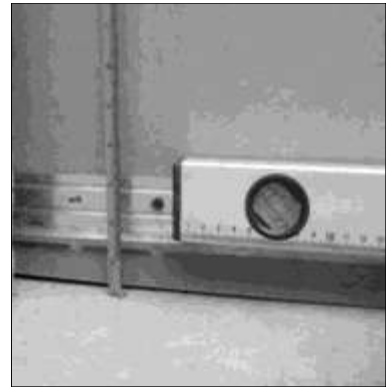
PANEL INSTALLATION

All products must be allowed to acclimate; removed from boxes and stored flat at the installation site for a minimum of 48 hours or until properly acclimated prior to installation. Heat and moisture cause expansion. Best results are obtained by installing cool, dry product. **NextStone does not warrant against gapping caused by expansion and contraction.**

SLATESTONE PANEL

Always seat and attach panels tightly together

Metal Starter Strip - Determine at what height above grade level you want the panel to sit on. Measure up 2 ¾" from this point and strike a level line. Attach the top of the starter strip on this line. End the strip 2" from each side of the corner.



Determine which type of wall installation is required.

Paneling the wall from an inside corner to an inside corner.

Cut the left end of the first panel so that the panel will sit flush against the adjoining wall. Attach to the wall through the screw indicator marks on the top and right end tongues. Firmly press the next panel against the first panel and repeat attachment process across the wall. Cut the right end of the final panel in the course flush to the wall. Use the drop off from that panel to start the new row. Stagger the joints of the panel ends up the wall. If necessary, cut some additional length from the drop off piece to prevent panel ends from lining up vertically.

Paneling a wall with one outside corner on the right.

Dry fit the first corner into the starter strip. Secure with screws if necessary. Moving from right to left: dry fit panels tightly across the wall. Cut the left end of the final panel to be flush with the wall or trim piece. Remove the dry fit panels and corner piece. Panel the wall from left to right as in example 1. Reattach corner over right panel. Continue from corner to finish wall.



SLATESTONE PANEL INSTALLATION, Cont.

Paneling a wall with outside corners on the right and left.

Working from the left outside corner (OC), seat the 1st panel against the OC and down against the starter strip, continue as described in section 1. Cut the right OC so there is a straight rock edge and attach. Measure the last piece on the row and cut this panel straight to fit snugly against the OC. Caulk the joint if necessary and use touch up paint. Work the right corner from left to right as described in section 1. Work the left OC as described in section 2.



Option 2: *(More skill required)*

Working from the left outside corner (OC), seat the 1st panel against the OC and down against the starter strip, continue as described in section 1. Place the right OC in place for measurement. Place a weather barrier cleat such as black tar paper, Tyvek or the equivalent to the substrate behind the joint. Measure the last piece on the row and cut this panel using the “T” design for the male tongue. Use an existing panel as a template. A carpenter knife and sabre saw is necessary. Attach against the OC and secure both pieces. Caulk the joint if necessary and use touch up paint. Work the right corner from left to right as described in section 1. Work the left OC as described in section 2.

Slatestone panels have 8 unique panel configurations with a number, 1 through 8, molded into the back of the panel. Avoid racking the panels by placing like numbered panels next to or on top of each other.

The illustration below shows a random installation using drops from the previous course to start each new course. If there are no drops, randomly cut the starting panel to length.

8		7		3		2		5	
4	2		1		4		3		8
5		8		2		1		4	
4		6		7		3		5	

Using the Slatestone Outside Corners to make Columns

Please refer to the instructions on page 40 and 41 when using Slatestone Outside Corners to make a Column.

PANEL INSTALLATION

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STACKED STONE PANEL

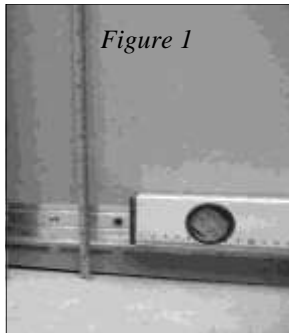


Figure 1

Metal Starter Strip - Determine at what height above grade level you want the panel to sit on. Measure up 2 ¾" from this point and strike a level line. Attach the top of the starter strip on this line. End the strip 2" from each side of the corner. (Fig. 1)

Determine which type of wall installation is required.

1) Paneling the wall from an inside corner to an inside corner.

Install Window and Door Trim (WDT) on both ends of the wall. (see last paragraph for detail on installing WDT).

Insert panel into SS and slide behind WDT. Attach to the wall through the screw indicator marks on the top and right end tongues. (Fig. 2) Firmly press the next panel against the first panel and repeat working left to right. At the end of the row; cut the right end of the final panel to fit behind WDT. Use the off fall from that panel to start the new row under the left end WDT. Stagger the joints of the panel ends up the wall. If necessary, cut some additional length from the off fall piece on some rows to prevent panel ends from lining up vertically.

2) Paneling a wall with one outside corner on the right.

Dry fit the first corner into the starter strip. Secure with screws if necessary. Moving from right to left: dry fit panels tightly across the wall. Cut the left end of the final panel under the WDT or flush to the wall. Remove the dry fit panels and corner piece. Panel the wall from left to right as in example 1). Reattach corner over right. Repeat on each row.

3) Paneling a wall with outside corners on the right and left.

When there are 2 outside corners with no break in the wall (no window or door opening)– a panel in the row will need to be cut if the wall will not accommodate all full panels. On each course, work from left to right and dry fit as described earlier. Decide on each course which panel to cut. Dry fit full panels from each end until less than one panel length remains in the middle. Measure from the rock edge on the right side of the left panel to the left edge of the right panel (Fig. 3).

Cut the final panel to this length. Stagger the placement of the cut panels up the wall to avoid a vertical line. After cutting the panel, lightly rasp the top of the cut edge to smooth the edge and blend it with the rocks of the next panel (fig 4). Touch up any exposed Polyurethane edges with a NextStone Touch Up Paint Kit and Caulk (sold separately) (Fig 5). Slide in the final panel and attach (Fig. 6).

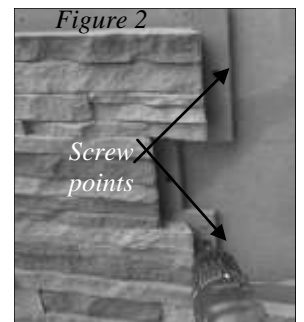


Figure 2

Screw points

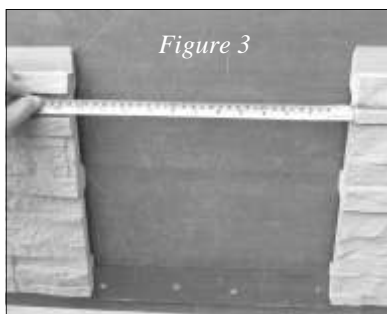


Figure 3

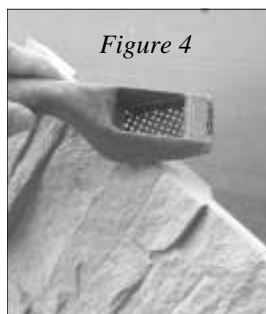


Figure 4

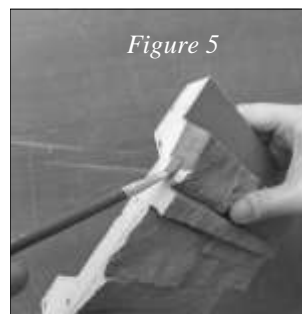


Figure 5

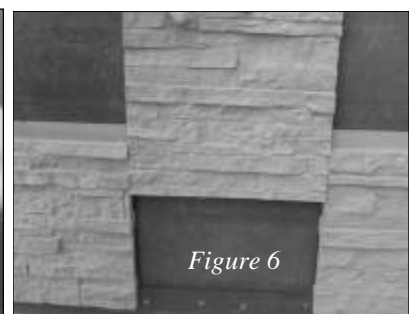


Figure 6

ACCENT ROCK INSTALLATION

ACCENT ROCKS *(for Random Rock Panels only)*

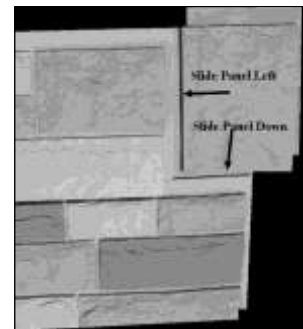
Step 1 - Designing the wall

There are 6 unique Accent Rocks to incorporate into any installation, 3 colors of the large Accent Rock and 3 colors of the small Accent Rock (Lava Gray has only 1 color so there are 2 unique rocks). The installation of Accent Rocks can be random (for example 2 Random Rock (RR) Panels, 1 large light Accent Rock (LAR), 1 RR panel, 1 small Medium Accent Rock (SAR), 3 RR panels, 1 small Accent Rock (SAR), 2 RR panels, 1 large dark Accent Rock (LAR). Or make a pattern which repeats through out the installation (for example, 2 RR panels, 1 large dark AR, 2 RR panels, 1 small light AR, 2 RR panels, 1 Large medium AR, 2 RR panels, 1 small dark AR, 2 RR panels, 1 large light AR, 2 RR panels, 1 small medium AR). The installer must lay out the job to utilize the four Random Rock panel configurations properly plus utilize the Accent Rocks. While this installation takes a little more planning and preparation the end result is a unique installation which is more realistic and effectively conceals joint lines between panels.



Step 2 - Installing the Accent Rock.

Install Random Rock panels up to the point where the first accent rock is needed. Follow Random Rock instructions for installing the full Random Rock panels. Starting from the left, take an Accent Rock panel and lock the bottom groove into the starter strip tongue (if Accent Rock is on the bottom course) or the panel tongue on the course below the one being worked on. Slide the Accent Rock panel to the left so the accent rock lap locks over the random rock panel side shiplap joint. Using the screw guide points, screw through the substrate and into a stud, when practical, with 4 screws for the large Accent Rock and 3 screws for the small Accent Rock. Working left to right continue installing Random Rock panels until another Accent Rock panel is needed.



An installation example is below:

RR-1		LAR	RR-4		RR-3		SAR	RR-2		RR-1
RR-4	SAR	RR-3		SAR	RR-2		LAR	RR-1		RR-4
RR-2	RR-4		LAR	RR-1		SAR	RR-2		LAR	RR-4
RR-1		RR-2		SAR	RR-4		RR-3		LAR	RR-2

TRIM INSTALLATION

All products must be allowed to acclimate; removed from boxes and stored flat at the installation site for a minimum of 48 hours or until properly acclimated prior to installation. Heat and moisture cause expansion. Best results are obtained by installing cool, dry product. **NextStone does not warrant against gapping caused by expansion and contraction.**

SANDSTONE WINDOW AND DOOR TRIM

Step 1

Sandstone Window and Door Trim can be used as a utility trim to terminate sections of NextStone panels, as a cap, or as a trim piece around windows and doors. For most applications, Sandstone Window and Door Trim must be installed prior to the panels.



Step 2

Measure the total height of the wall before the Ledger attachment to determine quantity and length of the Window and Door Trim.

Step 3

Use a level when locating Window and Door Trim. Install with dado away from the frame. Screw at a 45° angle through the top of the piece and down along the inside edge, making sure to attach securely to the underlying substrate. To miter for use with ledger, cut the top of the piece on a 15° angle, with the long side of the angle against the wall.



Step 4

If desired, a wood rasp can be used to round edges of the door/window trim to provide a more realistic look. Touch-up paint can be applied to the area formed with the rasp. Always use a finished end to start and terminate a section of door window trim. Cut ends can be butted tight and concealed with touch-up paint and caulk. End Ledger with a factory finished end. (See ledger installation).



Window and Door
Trim under the Ledger



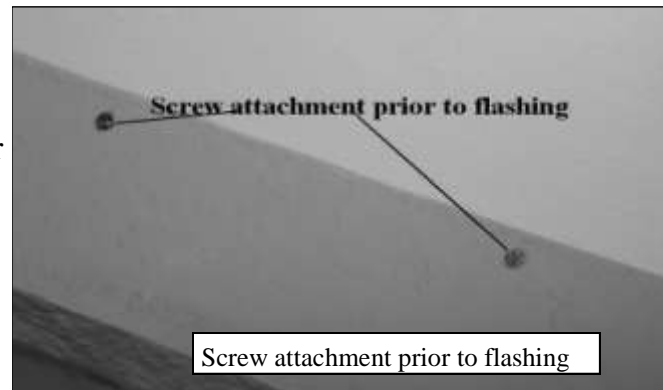
TRIM INSTALLATION

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SANDSTONE LEDGER

Step 1

The Ledger makes an ideal transition from other building materials. The Ledger can attach in 3 different ways: The most common installation is directly over the top row of panels at the tongue. Alternate installations are discussed in the following pages.



Step 2

Measure the total length of Ledger required. It is important to end both sides of the wall with finished ledger ends. It is best to take the total length, and cut equal amounts from ledger pieces in the center of the wall. This allows a tight union between the pieces with finished edges on each side. Measure and cut each ledger required for a center union and cut each end square for a good fit. Use rasp to round edges on factory ends to enhance appearance. Use touch-up paint on the rasped area.

Step 3

Toe Screw the Ledger to the underlying substrate, with screws placed a minimum of 16" apart. Ledgers can also be attached by toe screwing underneath the ledger piece.

Step 4

Exterior applications require flashing if other siding products are used above the ledger. Flashing can cover screws used to attach the ledger for professional results.



TRIM - LEDGER, Cont.

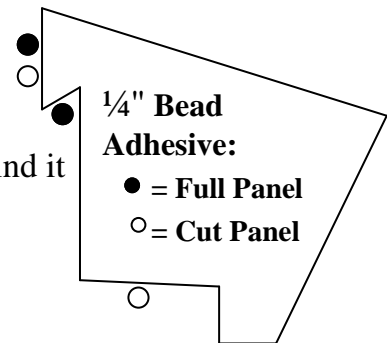
Step 5

If the ledger is used to go over the top of outside or inside corner accessories a compound miter is required. (Ledger Inside and Outside Corners can be used and do not require mitering). This can be achieved using a chop saw or radial arm saw. Place the ledger on the saw table with the back of the ledger flush against the fence (just the way it sits when applied), and make a 45° miter cut. The corner will then require caulking and NextStone touch-up paint.



INSTALL LEDGER ON CUT PANEL (ALTERNATE INSTALLATION METHOD)

If the top panel must be cut horizontally and the tongue is removed, the ledger is installed using the flat portion on the bottom of the ledger. The ledger is then glued to the wall behind it and screwed using the methods described above.



SANDSTONE LEDGER OUTSIDE AND INSIDE CORNERS

Outside and Inside Ledger Corners can be used for a faster, miter free installation. These pieces are molded for 90° angles.

Simply place the Ledger Inside or Outside Corner over the top of the corner, using the “v” groove. If the corners have been cut for height, use the bottom surface of the Ledger Corner.



TRIM - LEDGER Cont.

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INSTALL LEDGER USING MOUNTING BLOCKS (ALTERNATE INSTALLATION METHOD)



Ledgers can be installed using mounting blocks for a totally concealed fastening system. This installation method is primarily recommended for installations below a casement.

On the back side of the ledger below the tongue are three pockets. These pockets are made to accommodate wood blocks made from standard 1 x 6 nominal material cut 1 ½" long. Viewing the ledger from the front, the centerlines of the pockets are 8 5/16" from the right end, 21 7/8" from the right end, and 35 3/8" from the right end respectively.

Dry fit ledger and mark location of the top and right end of the ledger. Blocks should be fastened to the wall and located to align with the pockets. The top of the blocks should be ¾" below the top of the ledger. The ledger is then placed on the panel as with the previously described methods.

After placing the ledger onto the mounting blocks, drive a screw from the bottom of the ledger into the mounting blocks. Adhesive should be applied to the blocks and to the ledger using the method illustrated on the previous page.

TRIM INSTALLATION

MOUNTING BLOCKS

Step 1

Locate the center of the object to be attached to the mounting block (outlet box, hose bib, electrical box, etc.). Then locate where the edge of the panel to be cut out will fall on the panel to the left and mark. Measure from the center of the object to the mark locating bottom of the panel and measure to the mark locating where the left edge of the panel will fall.



Step 2

Transfer these measurements to the back of the panel being cut out and mark. This mark should correspond with the center of the object installed. Using this mark as center draw a rectangle 7 1/2" x 10 1/2" for the large mounting block or 5" x 6" for the small mounting block. Mounting blocks can be installed horizontally or vertically.



Step 3

Using the rectangle you drew on the back of the panel as a cutting guide, cutout the panel. Install the cutout panel in the standard fashion.



Step 4

On the back side of the mounting block you will see a pre-formed area molded into the block. On the large mounting block it is a round area for round outlet boxes. On the small mounting block are the pre-formed areas for plumbing rough-ins, single and double outlet boxes, and round fixture cutouts.



Step 5

Determine which cut out and what size is appropriate. Drill a hole on the side of the cut out area to use as a starter hole. Cut the pattern on the block using a saber saw. Always cut from the back of the mounting block to avoid marring the front surface of the mounting block. If necessary, use a wood rasp to fine tune the cutout.

Step 6

Apply caulk and/or adhesive to the back of the mounting block to seal between the mounting block and the panel. Put the mounting block in place and attach with 3" screws. Place screws where they will be concealed by the cover plate of the fixture, if possible.



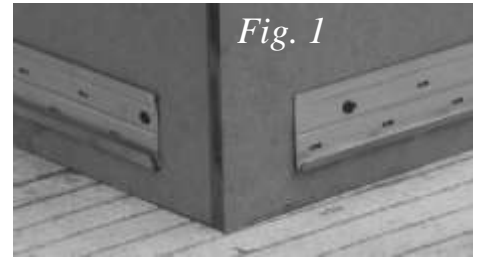
Step 7

Attach electrical boxes to the face of the cover plate as applicable. Install the fixture and it's cover plate. Caulk around fixture as necessary.

30" COLUMN WRAP INSTALL

1) Fir out the desired column to 14¼" x 14¼" .

2) Starter Strip- Determine the height above ground the bottom of the column should be. Measure up 2 ¾" from this point and strike a level line. Attach the top of the starter strip on this line. Level and attach starter strip on each face, stopping 2" from each corner. (Fig. 1)



Optional: The panels can be face screwed at the bottom to eliminate the need for a starter strip. The screw heads will need to be caulked and painted for finished results. Paint Kit and caulk are sold separately.

3) Each box contains 4 PIECES, MARKED 1-4. Attach the male panel (number 1). Slide down and seat panel 1 onto the starter strip and attach on the screw hem guide points. (Fig. 2)



4) Next, place the side pieces, (number 2 and 3) into the dovetail joints and check for tightness. From panel 1, panel 2 is on the right side, and panel 3 is on the left side. Make sure to place all panels with the top arrow pointing up. (fig. 3)



5) Attach panel number 4 at the base, then slide into panels 2 and 3. Make sure joints are tight, then screw at the top using the screw hem guide points. (Fig. 4)



6) To make columns higher than 30", simply stack the next course using the tongue and groove attachment for the bottom, and the screw hem at the top. (Fig. 5)



30" COLUMN WRAP, Cont.

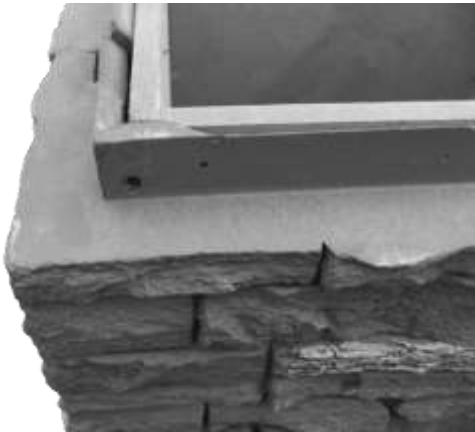
The 18" Post Cap is designed to fit the Slatestone Column with or without the screw hems.

Screw Attachment: Drive one screw per side through the bottom lip of the cap all the way into the substrate. Be Careful to angle the Screws so they don't run through the top of the cap. Do not overdrive screws.

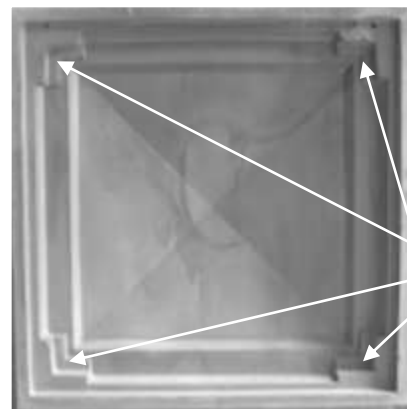
Adhesive Attachments:

- 1) If the top course ends with the screw hem attached: Place adhesive in each corner of the cap and secure. (Fig. 1).
- 2) If the top course of corners has the screw hems cut off, face screw each piece 1" from the top so that the cap covers the screw heads. Place adhesive on inside cutouts as shown (Fig. 2).

Top Course with Screw Hem Attached



Bottom of Cap Fig. 1

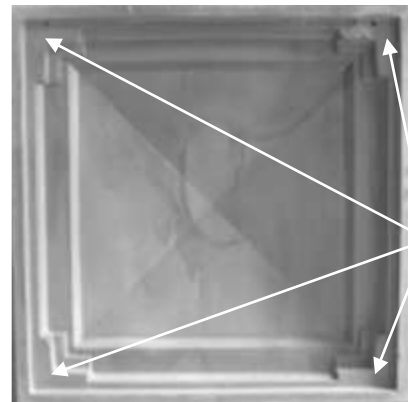


*Adhesive
Points*

Top Course with Screw Hem Removed



Bottom of Cap fig. 2

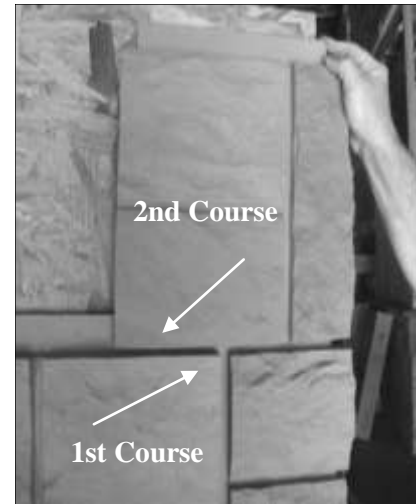


*Adhesive
Points*

COLUMN WRAP INSTALLS FROM FLUSH CORNERS

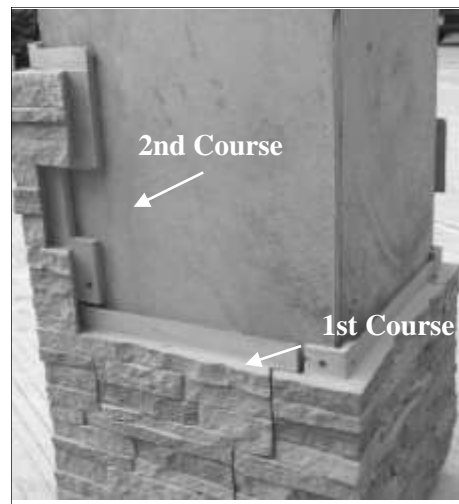
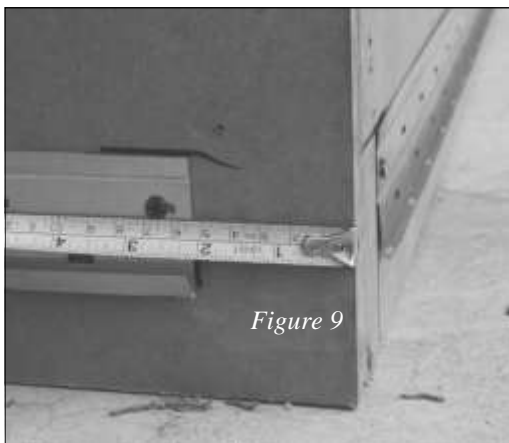
CASTLE ROCK COLUMN WRAP

Fir out the column to 13 ¾" X 13¾". Attach starter strip on each face, stopping 2" from each corner . Dry fit corners 1,3 and 1,3. Slide down onto the starter strip and attach all pieces where indicated on the starter strip and attach all pieces where indicated on the screw hem. Dry fit corners 2,4 and 2,4. Slide down and attach as described above. To prevent pattern repetition use corners 3,1 and 3,1 on the 3rd the row. Use corners 4,2 and 4,2 for the 4th row. Repeat from 1,3– 1,3 to desired height



STACKED STONE COLUMN WRAP

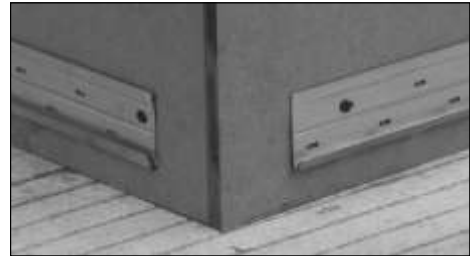
Fir out the column to 13 ⅝" X 13⅝". Attach starter strip on each face, stopping 2" from each corner (Fig 9). Dry fit corners 1,3 and 1,3. Slide down onto the starter strip and attach all pieces where indicated on the screw hem. Dry fit corners 2,4 and 2,4. Slide down and attach as described above. To prevent pattern repetition use corners 3,1 and 3,1 on the 3rd the row. Use corners 4,2 and 4,2 for the 4th row. Repeat from 1,3– 1,3 to desired height .



COLUMN WRAP INSTALLS FROM FLUSH CORNERS

SLATESTONE COLUMN WRAP

1) **Fir out the desired column to 12 3/4" x 12 3/4"**.



2) **Starter Strip**- Determine the height above ground the bottom of the column should be. Measure up 2 3/4" from this point and strike a level line. Attach the top of the starter strip on this line. Level and Attach starter strip on each face, stopping 2" from each corner.



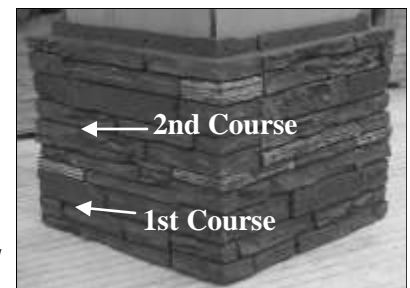
3) Each box contains 2 left (L-2,L-4)and 2 right corners (R-1, R-3). 2 boxes are needed per 2 courses. Use 4 right pieces for 1 course and 4 left pieces for the next course. Dry fit

corners R-1, R-3 and R-1, R-3. Slide down onto the starter strip and attach all pieces where indicated on the screw hem.



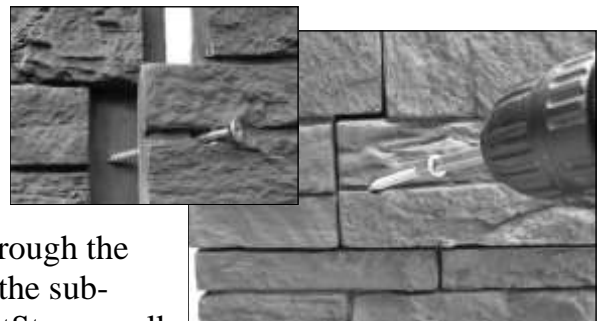
4) **Attaching the Corners**- There are 3 screw points on the long side of the corner, and 2 on the shorter end. Make sure to use 5 screws per corner. Hold the bottom edge of corner snug against the substrate while placing the screws to prevent over tightening of the screw hem. This prevents the bottom edge from kicking out.

5) **Dry fit corners** L-2, L-4 and L-2, L-4. Slide down and attach as described above.



6) **For the next course**, use corners R-3, R-1 and R-3, R-1 to prevent pattern repetition. Finally use corners L-4, L-2 and L-4, L-2 for the 4th row. Continue to alternate as needed until the desired height is achieved.

Note to Installer: Do not over tighten the screws when attaching the corner pieces. When over tightened, the corner piece will "kick out" at the bottom and create a gap. If the gap is present, pull the corners together to minimize the gap, then face screw through the female tongue, through the male base plate, and into the substrate. Use a 3" deck screw for this purpose. Use NextStone caulk to fill screw head and NextStone touch up paint for a professional finish.



SLATESTONE COLUMN WRAP, Cont.

The 18" Post Cap is designed to fit over the Slatestone Column if the top course of corners ends with the screw hems attached or with the screw hems removed.

Screw Attachment: Drive one screw per side through the bottom lip of the cap all the way into the substrate. Be Careful to angle the Screws so they don't run through the top of the cap.

Do not overdrive screws.

Adhesive Attachments:

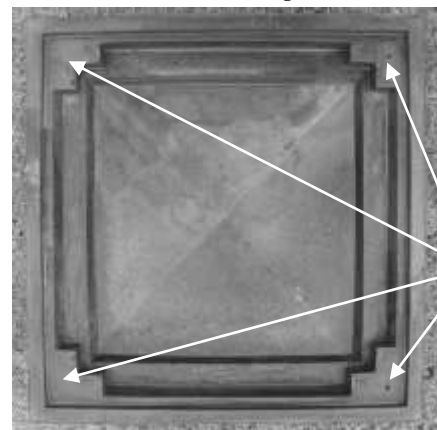
1) If the top course ends with the screw hem attached:

Place adhesive in each corner of the cap and secure. (Fig. 1).

Top Course with Screw Hem Attached



Bottom of Cap



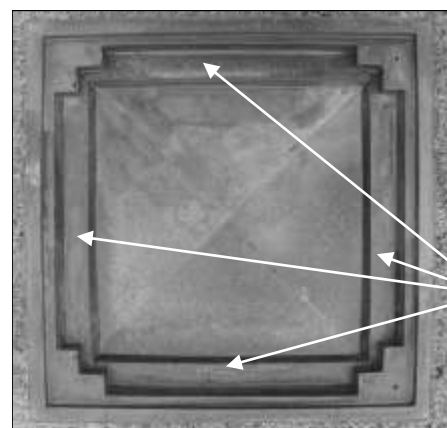
*Adhesive
Points*

2) If the top course of corners has the screw hems cut off, face screw each piece 1" from the top so that the cap covers the screw heads. Place adhesive on inside cutouts as shown (Fig. 2).

Top Course with Screw Hem Removed



Bottom of Cap



*Adhesive
Points*

COLUMN WRAP INSTALLS FROM FLUSH CORNERS

RANDOM ROCK COLUMN WRAP

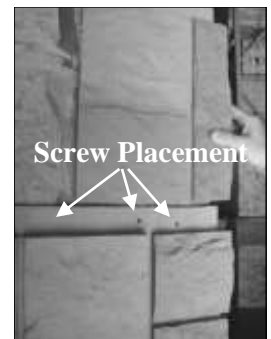
1) **Fir out the desired column to 14 3/4" x 14 3/4"**.



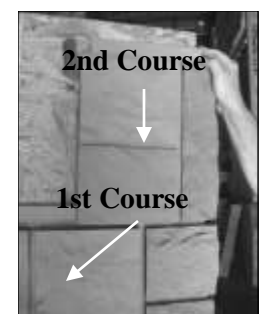
2) **Starter Strip-** Determine the height above ground the bottom of the column should be. Measure up 2 3/4" from this point and strike a level line. Attach the top of the starter strip on this line. Level and Attach starter strip on each face, stopping 2" from each corner.



3) Each box contains 2 left (L-2,L-4)and 2 right corners(R-1, R-3). 2 boxes are needed per 2 courses. Use 4 right pieces for 1 course and 4 left pieces for the next course. Dry fit corners R-1, R-3 and R-1, R-3. Slide down onto the starter strip and attach all pieces where indicated on the screw hem.

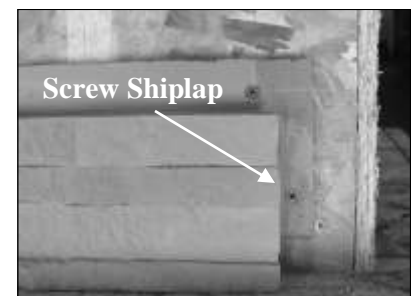


4) **Attaching the Corners-** There are 3 screw points on the long side of the corner, and 2 on the shorter end. Make sure to use 5 screws per corner. Hold the bottom edge of corner snug against the substrate while placing the screws to prevent over tightening of the screw hem. This prevents the bottom edge from kicking out.



5) **Dry fit corners** L-2, L-4 and L-2, L-4. Slide down and attach as described above.

6) **For the next course**, use corners R-3, R-1 and R-3, R-1 to prevent pattern repetition. Finally use corners L-4, L-2 and L-4, L-2 for the 4th row. Continue to alternate as needed until the desired height is achieved.



Note to Installer: Do not over tighten the screws when attaching the corner pieces. When over tightened, the corner piece will "kick out" at the bottom and create a gap. Placing 2 screws along the right shiplap tongue will help minimize any kick out. Be sure to place the screws on the edge of the tongue, so they do not show in the grout line between corners. Use NextStone caulk to fill screw head and NextStone touch up paint for a professional finish.

RANDOM ROCK COLUMN WRAP, Cont.

The 18” Post Cap is designed to fit over the Random Rock Column if the top course of corners ends with the screw hems attached.

Adhesive Attachments:

To set the cap, a slight modification is required.

- 1) Place the cap on a soft surface to prevent marring the top of the cap. (Fig. 1)



Fig. 1

- 2) Using a chisel or carpenter’s knife, remove the 4 corner landings (Fig. 2)



Fig. 2



Landings removed

- 3) After the landings are removed, dry fit the cap to make sure it sits properly.
- 4) Use adhesive on the 4 modified landing points to secure the cap. (Fig 3)

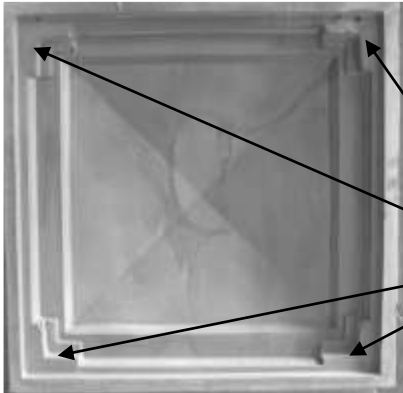


Fig. 3

**Adhesion points
(Landings Removed)**



Column with Cap installed

SLATESTONE 1PC POST COVER INSTALL

1) Post covers are 41" tall. Measure up 41" on the post and cut the post to this height. (Fig. 1)



(Fig. 2)

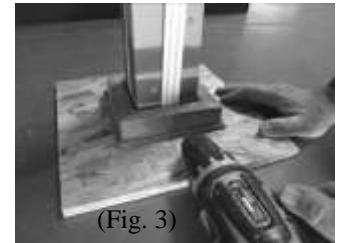


(Fig. 1)

2) **If using a 6x6 post, skip ahead to #8.**

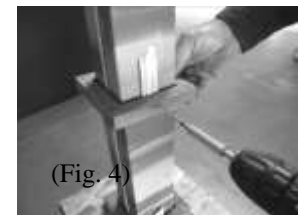
3) When using a 4x 4 post, either fir out the post to 5 1/2 x 5 1/2 or use the optional Converter Kit Rings. 4 pieces per kit. (Fig. 2)

4) Place the bottom ring (marked B), flange down, onto the deck. Pre-drill the four sides and attach the ring to the post using 2" galvanized screws. Use shims to make the ring snug and centered on post. (Fig. 3)



(Fig. 3)

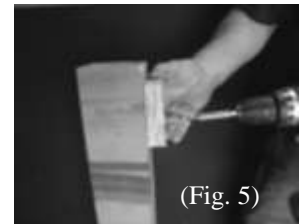
5) Measure up 13" and 26" from the deck. Use a Speed Square to mark a line around the post at these heights. Slide the 2 rings (marked M) to these heights, shim and screw in place as described above. (Fig. 4)



(Fig. 4)

If attaching railings, the following must be done PRIOR to the placement and attachment of the post.

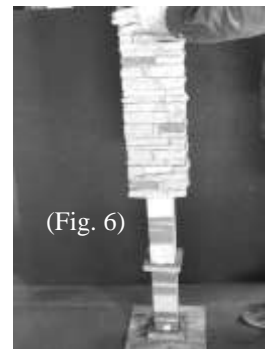
Measure up and mark on the post to the height of the bottom and top rail. Fir out the post on these faces at these heights an additional 1". These will act as the landings for the rail mounts. Use a 3"x3" x1" block. Center the block at the scribed line. (Fig. 5)



(Fig. 5)

Consult local codes for height requirements of rails.

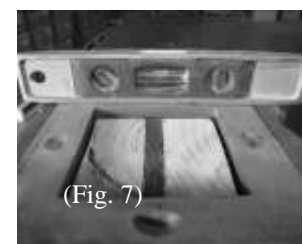
6) Slide the post over the rings, and seat the bottom of the post into the bottom ring. Face screw the post to the rings using 2 1/2" galvanized screws. It is best to screw through the post in a grout line or at the base of a rock. This will make it easier to hide the screws. Measure up 13" and 26" and screw through the rings at this height. (Fig. 6)



(Fig. 6)

7) Place the top ring and seat in the top of the post. Shim to make the post plumb. Screw through the indented areas into the post. (Fig. 7)

8) If using a 6x 6 post, simply cut the post to 41", slide the post cover over the post, and secure using 2 1/2" galvanized screws as described in #6 above. Be sure and shim the top of the post to make it plumb before screwing the post cover to the post.



(Fig. 7)

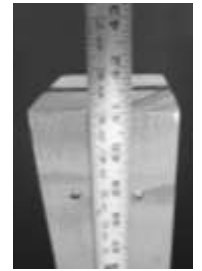
Continued on page 40

SLATESTONE 2PC POST COVER INSTALL

1) Post covers are 41" tall. Measure up 41" on the post. Cut the post to this height. (Fig. 1)



(Fig. 2)



(Fig. 1)

2) If using a 6x6 post, skip ahead to #6.

3) When using a 4x4 post, either fir out the post to 5 1/2x 5 1/2 or use the optional Converter Kit Rings. 4 pieces per kit. (Fig. 2)

4) Place the bottom ring (marked B), flange down, onto the deck. Pre-drilled the four sides and attach the ring to the post using 2" galvanized screws. Use shims to make the ring snug and centered on post. (Fig. 3)



(Fig. 3)

5) Measure up 13 1/2" and 27 1/2" from the deck. Use a Speed Square to mark a line around the post at these heights. Slide the 2 rings (marked M) so the bottom of the ring is on these lines, shim and screw in place as described above. (Fig. 4)



(Fig. 4)

If attaching railings, the following must be done PRIOR to the placement and attachment of the post.

Measure up and mark on the post to the height of the bottom and top rail. Fir out the post on these faces at these heights an additional 1". These will act as the landings for the rail mounts. Use a 3"x3" x1" block. Center the block at the scribed line. (Fig. 5)



(Fig. 5)

Consult local codes for height requirements of rails.

6) Position Side 1, with the arrow facing up. Seat the bottom of the post into the bottom ring. Face screw the post cover through the rings into the wood post using 3" galvanized screws. Screw through the post in a grout line or at the base of a rock. This will make it easier to hide the screws. Measure up 14" and 28" and screw through into the rings. The posts are designed with a grout line at these heights. (Fig. 6)



(Fig. 6)

7) Place the top ring and seat in the top of the post. Shim to make the post plumb. Screw through the indented areas into the post. (Fig. 7)

8) After securing side 1 in place, move side 2 into place.

Make sure the arrow is facing up.

Dry fit the piece to make sure all "T" joints line up and are tight.

Secure side 2 at the ring heights described above.



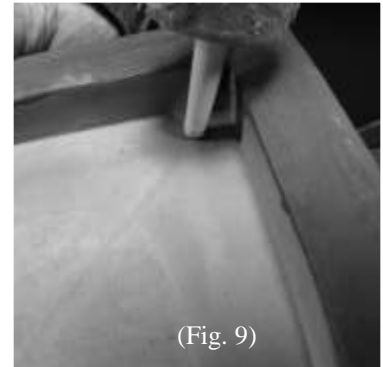
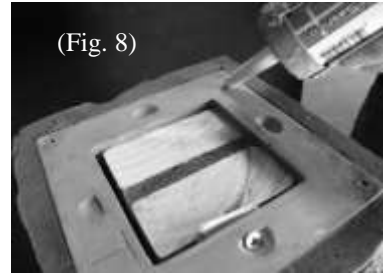
(Fig. 7)



(Fig. 8)

SLATESTONE 1 & 2 PC POST COVER, Cont.

9) Attaching the Cap. Apply adhesive around the top surface of the post. (Fig. 8) In addition, apply adhesive to the inside top of the cap along the inside ledge. (Fig. 9)



10) Install Rail Mounts. After locating the desired height of the railing and securely attaching the mounts (see #5), measure up on the outside of the post cover, and select the spot to place the landing. In this example Trex™ universal mounts are used. When the landing location is decided, dry fit the landing on the rock surface. Using a carpenter knife or chisel, cut out the high points of the rock surface to achieve a smooth flat surface. (Fig 10-13)



(Fig. 10)



(Fig. 11)



(Fig. 12)



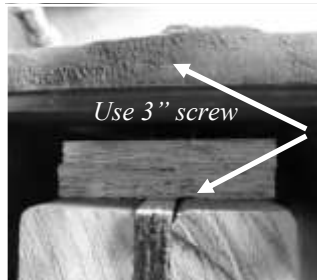
(Fig. 13)

11) Using 3" deck screws minimum, attach the mount to the post, screwing through the pillar into the landing attached in section 5. (Fig. 14-15)

12) Finish the job using NextStone Textured Grout and Paint kit to cover any space around the mountings and to hide screw heads. (Grout and Touch Up Kit sold separately). (Fig. 16)



(Fig. 14)



(Fig. 15)



(Fig. 16)



Finished Post and Cap

MITERED CORNER

MITERED OUTSIDE CORNER

Step 1

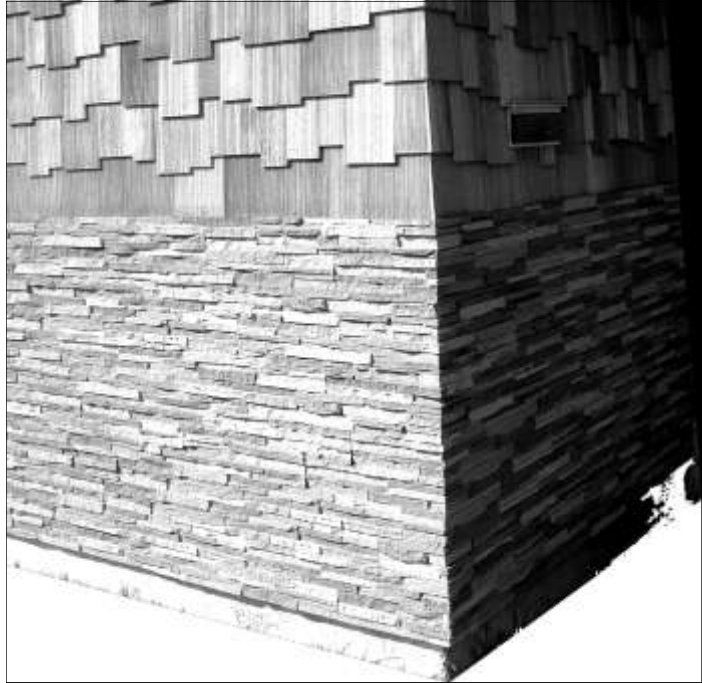
In some situations the installer may prefer to do a miter cut at the corner rather than use the outside corner accessory pieces. This application is most common when the corner is not a 90° corner but it works equally well on 90° corners.

Step 2

In exterior applications the corner must first be made water-tight by installing a moisture barrier prior to installing the NextStone panels.

Step 3

Both sides of the corner should be cut from the same panel or another panel of the same configuration (the number on the back is the same). In this way the individual “rocks” will wrap around the corner. You will have to lay out the first course so that the last panel that will be used to form the corner is at least 8" too long. Cut the panel at the appropriate angle (one half of the angle of the corner) and install as previously explained. Next, cut the drop at the same angle and install the other side of the corner making as tight a joint as possible. For example, if you were installing NextStone on a 7' wide wall with a 90° corner, the second panel would make the corner. You would cut the panel on a 45° miter so that it was 3' measured on the short side and install. You would then cut the drop-off piece (1') at 45° and install it on the other side of the corner. Be sure you stagger each course so that the corner cut does not fall at the same place on the panel used to make the corner.



Step 4

In exterior applications run a bead of caulk along the joint where the panels butt together. This can be concealed with touch-up paint if you wish.

Step 5

There is variation in thickness within each individual “rock”, therefore, there will be small areas of exposed polyurethane where the panels were cut which must be coated with touch-up paint. In addition, you may wish to conceal the caulk line by painting with touch-up paint.

MITERED CORNER

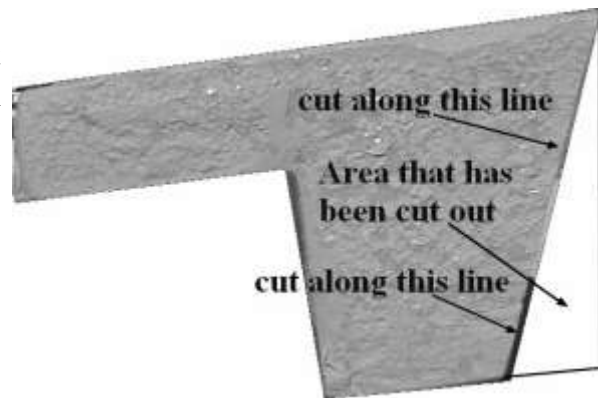
USING DOOR/WINDOW TRIM TO MAKE A CORNER EITHER MORE OR LESS THAN 90°

Step 1

If your application calls for a corner trim that is not a 90° right angle, you can construct a corner on any angle using two pieces of door/window trim back to back. With a table saw cut the back side (the side that would be away from the panel and against a door) of the door/window trim pieces length-wise at an angle half that of the wall, i.e. if the adjoining wall was at a 45° angle, you would cut the trim piece at a 22 ½° angle.

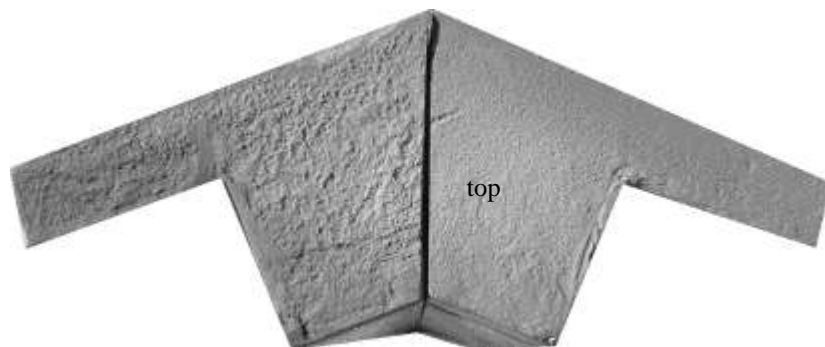
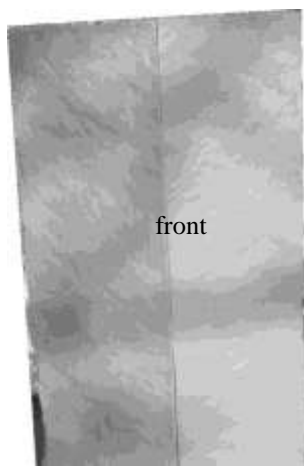
Step 2

Install the door/window trim pieces so that the back (cut) sides are firmly against each other.



Step 3

Install the panels in the usual fashion by sliding them behind the flange of the trim piece. Run a bead of caulk along the joint where the trim pieces butt together on the top and front. Paint over caulk for finished look.



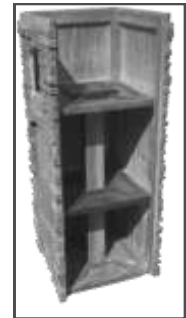
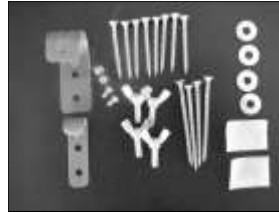
MAILBOX INSTALLATION

Unpack and Verify Materials:

- 1 - Mailbox Enclosure
- 1 - Mailbox Cover
- 1 - Metal Mailbox
- 1 - Solar Collector
- 2 - Removable Brackets (1 top & 1 bottom)

The Hardware Package Contains:

- 8- 2" Screws
- 4 - Butterfly Screws
- 4- 2 3/4" Screws
- 4 - Washers
- 2 - Nuts and Bolts (Mailbox door pull)
- 2- Velcro strips



Cutaway showing the 3 Support Brackets (Top bracket removed)

Please contact the vendor if materials are missing.

Consider these Points Before Installing:

- A) Follow any USPS setback requirements.
- B) The front and side edges of the post will end up at 9" back from the finished front and sides of the mailbox enclosure when installed. Allow for a 24" x 24" overall footprint making sure that the ground is clear and level.

Do not install in grass areas or lawn. Damage caused by lawn or garden equipment is not covered under the warranty.

Step 1 - Prepare the Post

- A) The mailbox enclosure is designed to fit over a standard 4" x 4" pressure treated post. Make sure the front post is EXACTLY parallel to the direction you want the mailbox to face. If the post is off, the mailbox will not face the desired direction.
- B) Make sure the post is plumb in both directions. If the post is not plumb, the mailbox may appear crooked or skewed once the installation is finished.
- C) If possible, leave the post long until the exact height has been measured. Set into the concrete approximately 18" with an above ground height of at least 36".



Step 2 - Attach the Bottom Bracket

Before removing the top and bottom brackets, mark one side for proper orientation when replaced. (fig. 2A) This will make the screws go back in much easier. Remove the 12 screws holding the bottom bracket into the enclosure. Slide the bottom bracket over the post keeping the lip on the bottom side. Level the bracket at the desired base height and attach to the post with 1 - 2" screw per side. Secure through the inner ring of the bracket into the side of the post. (2B)

Step 3 - Measure and Cut Post

Measure 35" up from the top of the attached bottom bracket. Use a speed square to mark all 4 sides of the post. Cut the post at this height. Be careful to make the top of the post level.



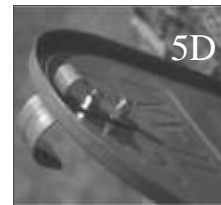
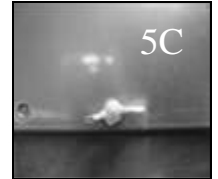
Step 4 - Setting the Mailbox Enclosure

- A) Slide the mailbox enclosure over the post, being careful not to bind the second bracket as it slides down the post.
- B) Set the bottom of the enclosure onto the bottom bracket. Make sure the lip is snug against the rim of the enclosure as the 3rd bracket locks down onto the top of the post.
- C) Secure the bottom of the enclosure to the bracket using the 12 - 2 1/2" screws that were removed in step 2. Drive screws through the face and into the bottom bracket.

22" MAILBOX INSTALLATION, Cont.

Step 5 - Attach to Post

- Remove the 12 screws holding the top bracket and remove the bracket. Slide the mailbox forward to expose the top of the third bracket. **DO NOT** remove the mailbox from the enclosure. Leave the block of foam under the mailbox attached, as this helps fill the gap between the mailbox and the enclosure..
- Drive 4 -2" screws through the top of the mailbox mounting plate (3rd bracket) into the top of the post. Slide the metal mailbox back over the mounting plate. Align the holes in the mailbox with the preset threads in the mounting plate.
- Finger tighten 4 butterfly screws and washers to secure mailbox to the mounting plate.
- Attach the front pull and back latch to the face of the mailbox with 2-3/4" nuts and bolts.



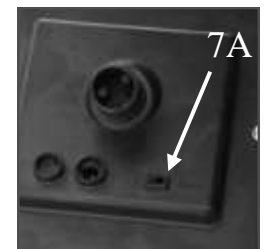
Step 6 - Attach the Top Bracket

- Bring both the connector and plug wires up through the center opening of the 4th bracket. Move them off to one side. Place the bracket into the top of the enclosure. Make sure the top sits firmly down into the mailbox enclosure.
- Secure the top bracket into the enclosure using the 12 screws that were removed in step 5.



Step 7 - Attach the Cap

- Switch the solar collector to "Auto". Place the collector in the cap with Velcro provided. Firmly press the collector into the cutout of the cap to secure.
- Attach the threaded male connector from the cap to the female connector of the address block. Hand tighten the plastic nut. Locate the remaining wire. Insert the male lead into the back of the collector to complete the circuit. For maximum battery charge, place the cap so the collector faces south.
- Set the cap over the enclosure. Check for light placement prior to avoid drilling into one of the lights or the cord. Attach the cap by driving 4 -2 3/4" screws at a steep angle through the bottom lip of the cap into the enclosure. **DO NOT** drive through the top of the cap. **DO NOT** over drive the screws. **DO NOT** use sealant on the cap to secure it, as you will need to access the solar collector for periodic battery replacement..



Step 8 - Touch Up - (Optional) and Battery Maintenance

- Caulk around the metal mailbox if there are any gaps to keep out insects. Fill in any exposed screw heads.
- After the caulk has set, cover with the appropriate paint color and feather the paint out over the rock face. Paint Kit is sold separately.
- From time to time the batteries will need to be replaced in the Solar Collector. Use 3 AA Ni-MH rechargeable batteries or equivalent. Batteries can be purchased from NextStone. Use 1200 mAh rating. Remove the 6 screws and open the back cover. Be careful not to disturb the wires or the motherboard. Put in fresh batteries and replace cover.



Please view the complete video at NextStone.com. for additional help with installation.

Slatestone Mailbox Enclosure



Unpack and Verify Materials:

- 1 - Mailbox Enclosure (9 pieces)
- 1 - Metal Mailbox and Flag
- 1 Cap with lights
- 1 - Solar Collector (In Cap)
- 4 - Brackets

The Hardware Package Contains:

- 4 - 1 1/2" Screws
- 4 - Butterfly Screws
- 4 - 3" Screws
- 4 - Washers
- 40 - 2 1/2" Screws
- 2 - Nuts and Bolts



The Optional Paint Kit Contains:

- 2 - Bottles of Paint; base color and accent
- 1 Brush

Please contact the vendor if any parts are missing.

Consider these Points Before Installing:

- A) Follow any USPS setback requirements.
- B) The front and side edges of the post will end up at 9" back from the finished front and sides of the mailbox enclosure when installed. Allow for a 24" x 24" overall footprint being sure that the ground is clear and level.



Do not install in grass areas or lawn.

Damage caused by lawn or garden equipment is not covered under the warranty.



Step 1 - Prepare the Post

- A) The mailbox enclosure is designed to fit over a standard 4" x 4" pressure treated post. Make sure the front post is EXACTLY parallel to the direction you want the mailbox to face. If the post is off the mailbox will not face the desired direction.
- B) Make sure the post is plumb in both directions. If the post is not plumb, the mailbox may appear crooked or skewed once the installation is finished.
- C) If possible leave the post long until the exact height has been measured. Set into the concrete approximately 18" with an above ground height of at least 36".



Step 2 - Attach the Bottom Bracket

Slide the bottom bracket (#1) over the post keeping the lip on the bottom side. Level the bracket at the desired base height and attach to the post with 1 - 2" screw per side. Secure through the inner ring of the bracket into the side of the post.



Step 3- Attach the 2nd bracket. Measure up 24 1/2" from the top of Bracket #1. Mark a line. Slide the 2nd ring down and secure with the top of the bracket on this line, using the same procedure as described in Step 2. Make sure the front of the ring is pointing to the front of the post.



Step 4 - Measure and Cut Post

Measure 35" up from the top of the attached bracket #1. Use a speed square to mark all 4

- D) Seat the bottom of the address plaque in the groove of panel#1. Seat the bottom of panel 5 onto the top of panel 1. Continue counterclockwise, and attach panels #6, and 7.
- E) Slide the metal mailbox through the front opening onto the mounting plate. Align the holes in the mailbox with the preset threads in the mounting plate.
- F) Finger tighten 4 butterfly screws and washers to secure mailbox to the mounting plate.
- G) Attach the front pull and back latch to the face of the mailbox with (2)-3/4" nuts and bolts.
- H) Attach panel #8 as described earlier.
- I) Attach the Flag. Be sure and seat the outer flange to hook in the slot on the mount. This keeps the flag resting horizontally. Place the bolt through the flag assembly and mount. Secure on the inside with locking nut. Tighten until the flag moves with some resistance.



Step 7 - Attach the Top Bracket

- A) Bring both the connector and plug wires up through the center opening of the 4th bracket. Move them off to one side. Place the bracket into the top of the enclosure. Make sure the top seats firmly down into the mailbox enclosure.
- B) Secure the top bracket into the enclosure using 12 screws.



Step 8 - Attach the Cap

- A) Switch the solar collector to "On". Place the collector in the cap with Velcro. Firmly press the collector into the cutout of the cap to secure.
- B) Attach the threaded male connector from the cap to the female connector of the address block. Hand tighten the plastic nut. Locate the remaining wire. Insert the male lead into the back of the collector to complete the circuit. For maximum battery charge, place the cap so the collector faces south.
- C) Seat the cap over the enclosure. Check for light placement prior to placing the screws or you may drill into one of the lights or the cord. Attach the cap by driving 4 -3" screws at a steep angle through the bottom lip of the cap into the enclosure. **DO NOT** drive through the top of the cap. **DO NOT** over drive the screws. **DO NOT** use sealant on the cap to secure it, as you will need to access the solar collector for periodic battery replacement.



Step 9 - Touch Up - Optional

- A) Caulk around the metal mailbox if there are any gaps to keep out insects. Fill in any exposed screw heads.
- B) After the caulk has set, cover with the appropriate paint color and feather the paint out over the rock face. Add more texture by using the paint brush to dab a small amount of sand onto the painted surface.

Please view the complete video at NextStone.com. for additional help with installation.

TOUCH UP

FINISHING THE JOB FOR A PROFESSIONAL APPEARANCE

Cuts which result in exposed polyurethane must be coated to prevent discoloration. The NextStone Touch Up Kit contains paint, instructions and brushes. Each kit is specific to the panel colors and rock profile.



Touch Up Paint Kit

Step 1

Inspect the job closely for any nicks, scratches or exposed cut edges of panels and apply the appropriate touch-up paint. Some applications may require caulking which can be concealed with touch-up paint. Any areas where deviation from standard NextStone installation practices is required must be caulked and touched up.

Step 2

NextStone touch up paint is latex based and can be cleaned-up with warm, soapy water. Clean hands, spills and tools immediately after use. The paint has been thinned to be used with the spray gun however additional thinning, if necessary, can be done by adding water. Protect from freezing.

Step 3

Touch – up paint can be applied by using the brush provided. Be sure to shake bottles well before using.

CLEAN UP

The natural appearance of NextStone products are maintained with little effort. Although NextStone products will get dirty, like anything exposed to the atmosphere, a heavy rain or a simple washing with a garden hose will do wonders. If additional cleaning is required the following steps outline the recommended cleaning procedure.

Step 1

Any liquid soap or a light spray of simple green or the equivalent, followed by light brushing with a soft bristle brush will work with our product. NextStone recommends using whatever product you choose on a small area first, to check for color fastness. You can either use a soft bristle brush with a garden hose or a pressure washer. If you use a pressure washer, be SURE not to get closer than 12 inches and not more than 1500 PSI.

Step 2

For mildew we recommend the cleaning solution X-90. It is very effective in removing mildew from vinyl siding, and will work on our product. It would be prudent to test a small area first with any new product.

FREQUENTLY ASKED QUESTIONS

Q. What is the NextStone product made from?

NextStone products are manufactured with advanced hybrid polyurethane composites which allows us to reproduce the most realistic synthetic stone texture and look available.

Q. What is required to cut the NextStone product?

NextStone products are easily cut with a hand saw, circular saw, or virtually any kind of carpentry saw cutting device. (*see page 8*)

Q. What type of fastener is used to install NextStone products?

NextStone was designed with ease of installation in mind therefore, depending on the substrate a good quality deck type screw will work. (*see page 8*)

Q. How are the NextStone products installed?

NextStone is a mortar-free product that can be easily installed by one or two people using basic hand or power tools.

Q. How do you avoid repeating color and stone pattern during installation?

NextStone panels were designed with basic stone patterns, each numbered on the back of each panel. These numbers help break up the patterns and color during installation.

Q. What preparation is required to install NextStone panels?

NextStone's only requirement is a clean, dry substrate. (*see page 9*)

Q. What can I apply NextStone to?

NextStone can be easily applied to virtually any substrate including block, concrete, stucco, or wood framed sheathed walls.

Q. What size panels are available?

NextStone Castle Rock Panels are 43 $\frac{1}{4}$ " x 15 $\frac{1}{4}$ "; Ledgestone Panels are 6 $\frac{5}{8}$ " x 47 $\frac{3}{4}$ ". Random Rock Panels are 15 $\frac{1}{2}$ " x 48"; Slatestone panels are 8 $\frac{1}{4}$ " x 43". Stacked Stone Panels are 12" x 43 $\frac{1}{2}$ ".

Q. Is NextStone easy to clean?

Because of the closed cell hybrid polyurethane formulation developed by NextStone, all products are easily cleaned with a standard garden hose. (*see page 53*)

Q. Does the product have any R-value?

Yes. Because of NextStone's polyurethane formulation, the R value is approximately 4.5 per inch thickness. (*see page 59*)

Q. How much does the product weigh?

NextStone weighs approximately one pound per square foot making it extremely easy to handle and install, thus eliminating the need for a forklift.

Q. What applications are best suited for NextStone?

NextStone is perfect for almost all commercial and residential, exterior or interior applications.

FREQUENTLY ASKED QUESTIONS

Q. What maintenance will be required down the road?

Because of the NextStone polyurethane formulation and its durable coating there is virtually no maintenance required. NextStone offers a 20 year limited warranty. (*see page 65*)

Q. How will NextStone handle the elements?

NextStone products have been tested equivalent to 20 years in an advanced weather testing chamber with very little discoloration to the products. (*see page 59*)

Q. How does NextStone compare in price to the cultured stone type products currently available on the market?

NextStone products have been competitively priced and will generally cost less than cast stone type products. The real savings for the contractor comes from the cost of labor for installation by a carpenter vs. the cost of labor and material provided by a mason. With the NextStone product the value is added and the profit is retained by the contractor. For the do-it-yourselfer, the savings come to those who can install NextStone products themselves.

Q. Who can install the NextStone panels?

Anyone with a basic understanding of carpentry can easily install NextStone products.

Q. Is NextStone flammable and what do all those fire test numbers mean?

First, **Flame Spread Factor** is the distance that the flame spreads across the specimen piece during the test. This is calculated by measuring the distance across the panel the flame spreads every 3 seconds during the test. They then compile the total distance and come up with the Flame Spread Factor. Our product tested at an average of 30.78.

Second is the **Flame Spread Index**. This is a mathematical calculation using calculus and area under a curve to compute a number relative to two points: Cement and Red Oak. In this index, Red Oak is 100 and cement is 0. There is some confusion between the tests as our 162 Test now calls this number the **Radiant Panel Index**. Ours is 191.13. In the vinyl siding world, anything under 200 can be placed on wall surfaces. Regardless of tests and numbers, we do not recommend putting any NextStone product near open flames. Although it is not flammable, it will combust in the presence of flame. We recommend that our product be placed no closer than 12 inches from areas where an open flame may be encountered. You may see similar products claiming to have passed the E-84 flame spread test. This is only a portion of E-84 testing and should not be considered as meeting E-84 requirements. (*see page 59*)

TAKE-OFF SHEET

PANELS

Castle Rock Panel dimensions are 15¹/₄" x 43¹/₄" x 1¹/₂". Each Panel covers 4.03/sq. ft.

Configure Square Footage of area to be covered. (length x width)

Total Square Feet _____ / 4.03sq.ft. = _____ number of Panels necessary.

- Round total to nearest box quantities of four (4) panels per box.

Random Rock Panel dimensions are 15¹/₂" x 48" x 1¹/₂". Each Panel covers 4.75/sq. ft.

Configure Square Footage of area to be covered. (length x width)

Total Square Feet _____ / 4.75sq.ft. = _____ number of Panels necessary.

- Round total to nearest box quantities of four (4) panels per box.

Slatestone Panel dimensions are 8¹/₄" x 43" x 1³/₄". Each Panel covers 2.14/sq. ft.

Configure Square Footage of area to be covered. (length x width)

Total Square Feet _____ / 2.14sq.ft. = _____ number of Panels necessary.

- Round total to nearest box quantities of eight (8) panels per box.

Stacked Stone Panel dimensions are 13¹/₄" x 46.5¹/₂" x 1¹/₂". Each Panel covers 3.63/sq. ft.

Configure Square Footage of area to be covered. (length x width)

Total Square Feet _____ / 3.63sq.ft. = _____ number of Panels necessary.

- Round total to nearest box quantities of five (5) panels per box.

CORNERS

Castle Rock Outside Corner dimensions are 7" x 11" x 15¹/₂"

Configure Vertical Linear Inches.

Total Linear Inches _____ / 15¹/₂" = _____ number of corners necessary.

- Castle Rock Outside Corners sit flush with the Castle Rock Panel. Four (4) corners per box, 2 Left / 2 Right.

Random Rock Outside Corner dimensions are 7" x 11" x 15¹/₂"

Configure Vertical Linear Inches.

Total Linear Inches _____ / 15¹/₂" = _____ number of pieces of corners.

- Random Rock Outside Corners sit flush with each panel. Four (4) corners per box, 2 Left/2Right.

Sandstone Inside Corner dimensions are 3¹/₂" x 3¹/₂" x 48"

Configure Vertical Linear Inches.

Total Linear Inches _____ / 48" = _____ number of pieces of corners.

- Panels fit behind Corners. Two (2) corners per box. Sandstone Inside Corners can be used with any rock profile except Slatestone.

TAKE-OFF SHEET

CORNERS cont.

Sandstone Outside Corner dimensions are 5 1/2" x 5 1/2" x 48"

Configure Vertical Linear Inches.

Total Linear Inches _____ / 48" = _____ number of pieces of corners.

- Sandstone Outside Corners can be used with any rock profile, except Slatestone. The Panel will fit behind the corner. Two (2) corners per box.

Sandstone Flush Outside Corner dimensions are 3 1/2" x 3 1/2" x 48"

Configure Vertical Linear Inches.

Total Linear Inches _____ / 48" = _____ number of pieces of corners.

- Sandstone Flush Outside Corners can be used with any rock profile, except Slatestone, and sit flush to panel ends. Outdoor applications may need caulk or weather seal. Two (2) corners per box.

-

Slatestone Outside Corner dimensions are 12 3/4" x 4 1/2" x 8 1/4"

Configure Vertical Linear Inches.

Total Linear Inches _____ / 8 1/4" = _____ number of pieces of corners.

- Slatestone Outside Corners sit flush with each panel. Four (4) corners per box, 2 Left/2Right.

-

Stacked Stone Outside Corner dimensions are 4" x 13 1/4" x 12"

Configure Vertical Linear Inches.

Total Linear Inches _____ / 13 1/4" = _____ number of pieces of corners.

- Slatestone Outside Corners sit flush with each panel. Four (4) corners per box, 2 Left/2Right.

TAKE-OFF SHEET

ACCESSORIES

1. Sandstone Ledger dimensions are 2 1/2" x 4" x 48"

Configure Horizontal Linear Feet.

Total Linear Feet _____ / 4' = number of pieces of Ledger.

- This accessory is used to trim out the top row and can be used with any rock profile. Four (4) Ledgers per box.

2. Sandstone Window/Door Trim dimensions are 2 1/4" x 3 1/2" x 48"

Configure Vertical and Horizontal Linear Feet.

Total Linear Feet _____ / 4' = number of pieces of window/door trim.

- Window/Door Trim will be used on all four window sides as well as the top and sides of door openings and can be used with any rock profile. Four (4) Trim per box.

3. Sandstone Ledger Outside Corner dimensions are 4 1/4" x 6 1/4" x 2 1/2"

Sandstone Ledger Inside Corner dimensions are 9 3/4" x 7 5/8" x 2 1/2"

Ledger Outside and Inside Corners are used to cap corners and show a continuous run of the Ledger trim piece. Number of pieces depend on number of corners. Two (2) per box, 1 Left / 1 Right.

4. Metal Starter Strips are in 4' lengths.

Configure Horizontal Linear Feet of area to be covered.

Total Linear Feet _____ / 4' = _____ number of pieces of starter strip.

- Used to begin the bottom row, Starter Strips are suggested under each panel in order to avoid face screwing.

5. 12oz. Tubes of Grout _____. (Depending on project, grout/caulk, may or may not be required).

6. Touch Up Paint Kit _____.

Drystack, LedgeStone, and Random Rock Touch up Paint Kits contain Four 120 cc bottles of paint, one for each panel color and 1 trim color, plus 4 brushes.

SlateStone Touch Up Paint Kits contain One 120cc and 2 60cc bottles of paint, plus 1 brush.

SPEC DATA

Product Description:

NextStone's masons and master craftsmen have created products that are the ideal combination of stone textures and sizes, melding them artistically into an extremely easy to install paneling system. NextStone products are a light weight veneer wall panel system, providing a very realistic "rock wall" appearance. These products are intended for exterior applications over masonry, wood framed, or metal framed construction, be it residential or commercial. The products have been engineered to eliminate additional structural or foundation support is required. The basic system requires no caulking.

NextStone products are made of uniquely formulated closed cell polyurethane, incorporating UV inhibitors and fire retardants. The panels and accessory pieces have been cast from real stone giving them a remarkably realistic rock look. A specially formulated In Mold Coating is chemically and mechanically bonded with the molded surface of the panel. The result is a lightweight, durable wall panel system with a realistic rock finish.

Limitations:

NextStone products are intended as wall coverings only and should not be used as pavers or subjected to foot traffic. NextStone products do not add to the structural load bearing capacity of the substrate to which it is applied. If NextStone products are used below grade or water level, discoloration of the product can occur from the leaching of minerals and chemicals from the soil and water. The product will not be altered or degraded, but color fastness is not guaranteed. Avoid installing in locations which will be repeatedly subjected to abrasion, or repeated contact such as lawn mowers and string trimmers.

Note: In all spec data information, weights and dimensions are approximate. Individual pieces may vary due to the manufacturing process.

Flame Spread Factor, F9:	Heat Evolution Factor, Q:	Flame Spread Index, I8:	Ave Temp. Rise:
30.78	6.23	191.13	53.8 c

Technical Data:

Color Fastness (per ANSI Z 124 xenon arc test): color change @ 2000 hours: 0

Specific Gravity: .6

Insulation value: R 4.5 per inch of thickness

Hardness (durometer D): 68

Coefficient of Expansion (in. /in. F): 4.8"/in./C x 10(-5) (varies depending upon substrate attached to).

Fuel Contributed: 0

Flame Spread (per ASTM E162): Flame Spread Index 191.13

Wind Load Test-(per ASTM E330-02)- Withstands Positive and Negative winds over 200 MPH.

Installation: Detailed installation instructions are available from your local distributor or on line at: www.NextStone.com.

Maintenance: NextStone products require minimal maintenance. Occasional rinsing with water is recommended. Prior to using any chemical products on NextStone, test a small inconspicuous area, verifying that no undesired side effects have occurred.

Warranty: Warranty information is available from your local distributor or online at: www.NextStone.com.

Important: The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Due to the inherent manufacturing characteristics of polyurethane, and the In Mold coating coloring process of our product, dimensions and weights are approximate and the colors, as with natural stone, will vary.

SPEC DATA

Product Type	Length (inch)	Width (inch)	Thickness (inch)	Coverage Per Piece	Weight Per Piece	Qty Per Carton
Castle Rock Panel	43.25"	15.5"	.88" - 1.44"	4.03 sq. ft.	4.08 lbs.	4
Random Rock Panel	48"	15.5"	.88" - 1.5"	4.75 sq. ft.	5.1 lbs.	4
Slatestone Panel	43"	8.25"	.88" - 1.5"	2.14 sq. ft.	2.5 lbs.	8
Stacked Stone Panel	46.5"	13.25"	.88" - 1.5"	3.63 sq. ft.	4.30 lbs.	5
Accent Rocks, Large	11.5"	15.5"	1.5"	1.2 sq. ft.	.94 lbs.	3
Accent Rocks, Small	7"	15.5"	1.5"	.63 sq. ft.	.71 lbs.	3
Sandstone Ledger	48"	4"	2.5"	.6 sq. ft.	2.9 lbs.	4
Outside Ledger Corner	6.25" x 4.25"	4"	2.5"	10.25"	.65 lbs.	2
Inside Ledger Corner	9.75" x 7.63"	4"	2.5"	17.5"	.67 lbs.	2
Sandstone Window/Door Trim	48"	3.5"	2.25"	1.4 sq. ft.	2.5 lbs.	4
Sandstone Inside Corner	48"	3.5" each leg	2.63"	2.0 sq. ft.	5.1 lbs.	2
Sandstone Outside Corner	48"	5.5" each leg	2.63"	4.0 sq. ft.	6.0 lbs.	2
Flush Mount Outside Corner	48"	3"(each side)	1.5"	2.0 sq. ft.	2.47 lbs.	2
Castle Rock Outside Corner	7" x 11"	15.5"	1.5"	1.41 sq. ft.	0.62 lbs.	4
Random Rock Outside Corner	7" x 11"	15.5"	1.5"	1.7 sq. ft.	1.69 lbs.	4
Slatestone Outside Corner	4.5" x 12.75"	8.25"	1.5"	1 sq. ft.	1.0 lbs.	4
Stacked Stone Outside Corner	4" x 12"	13.25"	1.5"	1.21 sq. ft.	0.6 lbs.	4
Mounting Blocks Large	10"	13"	2.25"	n/a	1.75 lbs.	1
Mounting Blocks Small	8"	9"	2.25"	n/a	1 lbs.	1
Sandstone Column Wrap	36"	6.5"	1"	n/a	1.5 lbs.	1 kit
Sandstone Column Wrap Cap	10.5"	10.5"	1.25"	n/a	1.5 lbs.	1
Sandstone Column 2Pc Split Cap	10.5"	10.5"	1.25"	n/a	1.38 lbs.	1
Starter Strip (10/sleeve)	48"	2.25"	26 gauge	n/a	.9 lbs.	40
Slatestone Post Cover	41"	8"	8"	n/a	6.61lbs	1 post
Slatestone Post Cover 2pc	41"	8"	8"	n/a	6.61	1 post
30" Slatestone Column Wrap						1
18" Sandstone Solid Cap	18.5"	18.5"	1.5"	2.38 sq. ft.	2.84	1
22" Slatestone Mailbox Kit	52"	22" x 22"	1.5"	n/a	42.9 lbs.	1 kit
22" Slatestone Mailbox Cap	23"	23"	4.75"	n/a	4.4 lbs.	1

SPEC DATA

Listed below are the colors of NextStone Panels with color codes along with their suggested coordinating Sandstone trim colors.

Castle Rock

Product Colors

Sandstone Trim Colors

Ashford Charcoal (AFC)	Charcoal (C)
Tuscan Brown (TB)	Brown (BR)
Tudor Gray (TUG)	Gray (G)
Windsor Buff (WIB)	Buff (B)

Random Rock

Product Colors

Sandstone Trim Colors

Desert Buff (DB)	Buff (B)
Lava Gray (LG)	Gray (G)
Mountain Shadow (MS)	Charcoal (C)
New England Mocha (NEM)	Buff (B) ; Brown (BR)
Tri Buff (TB)	Buff (B)
Tri Gray (TG)	Gray (G)
Tri Sedona Red (TSR)	Red (R)

SPEC DATA

Listed below are the colors of NextStone Panels with color codes along with their suggested coordinating Sandstone trim colors.

Slatestone

Product Colors	Sandstone Trim Colors
Brunswick Brown (BB)	Brown (BR)
Canyon (CN)	Red (R)
Midnight Ash (MA)	Charcoal (C)
Mojave (MJ)	Buff (B)
Pewter (PW)	Gray (G)
Rundle Ridge (RUR)	Charcoal (C), Gray (G)
Rocky Mountain Graphite (RMG)	Graphite (GPH)

Stacked Stone

Product Colors	Sandstone Trim Colors
Bedford Charcoal (BC)	Charcoal (C)
Carolina Cocoa (CC)	Buff (B)
Kentucky Gray (KG)	Gray (G)
Sandy Buff (SB)	Buff (B)
Volcanic Gray (VG)	Gray (G)
Walnut Brown (WB)	Brown (BR)



Material Safety Data Sheet

Effective date: 5/28/04
Supersedes: n/a

Section 1: PRODUCT AND COMPANY IDENTIFICATION:

Product: Polyurethane siding panels and accessories
Product Use: Exterior and interior siding product
Distributor: NextStone
P.O. Box 39914
Denver, Co. 80239-0914
(303) 371-8232
(303)371-8296 (fax)
www.nextstone.com

Section 2: COMPOSITION INFORMATION ON INGREDIENTS:

No Hazardous Ingredients

Component:	% Weight	Case No.
Polyurethane (rigid)	94.8%	None Assigned
Proprietary Ingredients	5.1%	n/a (non hazardous)

These rigid urethane panels are manufactured from polyurethane, inert fillers, process aids, waxes, colorants and fire retardants.

Section 3: PHYSICAL / CHEMICAL CHARACTERISTICS:

Appearance and Odor: Solid, odorless panel, various colors
Boiling Point (degrees Fahrenheit): Not applicable
Vapor Pressure: Solid, Not applicable
Percent Volatile by Volume: 0
Solubility in Water: 0
Specific Gravity (water = 1): .6
Melting Point (degrees Fahrenheit): Not applicable
Evaporation Rate (butyl acetate): Not applicable

Section 4: FIRE AND EXPLOSION DATA:

Flash Point: Not applicable
Auto-ignition temperature: 500 degrees Fahrenheit
Extinguishing Media: Water, CO2, or sand
Special Procedures: Firefighters and others who may be exposed to products of combustion should wear full protective clothing including self-contained breathing apparatus.

Section 5: REACTIVITY DATA:

Stability: Stable under normal conditions
Incompatibility (Materials to avoid): Avoid open flame. Avoid contact with oxidizing agents. Product may auto-ignite at temperatures in excess of 450 degrees Fahrenheit.
Hazardous decomposition products: Thermal and / or thermal oxidative decomposition can produce irritation and toxic fumes and gasses including carbon monoxide, hydrogen cyanide

Section 6: HEALTH HAZARD DATA:

Rigid polyurethane is not considered or listed as a hazardous chemical in 29 CFR 1910 subpart Z, Product Safety Act (15 U.S.C. 2051), or the Federal Hazardous substances Act (15 U.S.C. 1261)
Foam dust may be a by-product of the installation process.

Component:	acgih tlV (units)	Osha pel (units)
Processing Waste	5 mg / cubic meter (8 hour twa)	5 mg / cubic meter (8 hour twa)
Processing Waste	10 mg / cubic meter (stel)	10 mg / cubic meter (stel)

Ingestion: Not applicable
Eye Contact: Eye irritation possible
Skin Contact: Waste generated from processing may evoke allergic contact dermatitis in sensitized individuals.

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact: Immediately flush with copious amounts of water. Remove to fresh air. If irritation persists, get medical attention.
Skin Contact: Wash affected area with soap and water. If rash or persistent irritation or dermatitis occurs seek medical attention.
Inhalation: Remove to fresh air. If persistent irritation, severe coughing or breathing difficulty occurs, seek medical attention.
Ingestion: Not applicable

Section 7: TOXICITY DATA:

Processing Dust: May cause nasal dryness, irritation and obstructions, coughing, wheezing, and sneezing. Sinusitis and prolonged colds have also been reported. Depending on the type, processing dust may cause respiratory sensitization and or irritation.

Section 8: PROTECTION INFORMATION AND CONTROL MEASURES:

Respiratory protection: Dust mask, if dust exceeds allowable exposure limits wear a NIOSH / OSHA approved respirator.
Eye protection: Safety glasses or goggles
Skin protection: None required (gloves optional)
Engineering Controls: Provide adequate general and local exhaust ventilation to most exposures.

Section 8: PRECAUTIONS FOR SAFE HANDLING AND USE:

Release / Spill Handling: Scrap material or dust from sawing or cutting should be handled as an inert solid, in the fashion of sand.
Waste Disposal Method: Landfill as non-hazardous waste.
Storage: Panels and accessories should be stored in original boxes to prevent damage or deformation of the product.

Important:

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification. Buyer assumes all risk of use, storage and handling of the product in compliance with applicable federal, state and local laws and regulations. NextStone makes no warranty of any kind, express or implied, concerning the accuracy or completeness of the information and data herein. The implied warranties of merchantability and fitness for a particular purpose are specifically excluded. NextStone will not be liable for claims relating to any party's use of or reliance on information and data contained herein regardless of whether it is claimed that the information and data are inaccurate, incomplete or otherwise misleading.



Warranty

Important:

All claims under this warranty must be reported to NextStone within sixty (60) days of the date that the defect is first discovered. Claimant should describe the defect and provide name, address, date of installation and warranty certificate number if available.

Original Owner's 20 Year Limited Liability Warranty:

NextStone rock-face paneling and accessories are manufactured using quality raw materials and produced with engineering excellence designed for years of maintenance free use. NextStone warrants exclusively to the original purchaser of our product for a period of 20 years from the original date of purchase, and is the owner of the property to which our products were originally applied, that the NextStone rock-face paneling applied to that property will not peel, rot, blister, rust, flake, chip, crack, corrode or be consumed by termites solely as a result of defects in material or manufacturing.

Should any of these defects occur during the 20 year warranty period, while he or she is the owner of the property to which the NextStone urethane rock-face product(s) were applied, and provided that the terms and conditions of this warranty are met and the claim is properly reported as stated below, NextStone will, at its option, repair or replace the material per the schedule below to the original homeowner, the NextStone rock-face paneling and accessories determined to be defective, in accordance with the terms and conditions of this warranty. In lieu of replacement, NextStone reserves the right in its sole discretion to refund actual monies, per the table below, rather than replacing the products determined to be defective.

Conditions Not Covered By This Warranty:

This warranty covers only the specified damages arising solely from defects in the manufacture of NextStone's urethane rock-face paneling and accessories and only if they occur under normal use and service. It does not cover, and NextStone is not liable for, conditions or failure of or damage to such products resulting from faulty or improper installation, settlement of the structure on which products are installed or shifting of structural members or adjoining surfaces, failure of the structure (including foundations and walls), accidental damage or negligence, intentional acts or damage, fire, wind, flood, lightning, acts of God, misuse, improper care or failure to provide reasonable and necessary maintenance of the product, normal and expected weathering of the surface, mildew, exposure to harmful chemicals or vapors or acid rain, surface discoloration due

Years from Date of Purchase	NextStone's Coverage	Original Homeowner Responsibility
1	100%	0%
2	95%	5%
3	90%	10%
4	85%	15%
5	80%	20%
6	75%	25%
7	70%	30%
8	65%	35%
9	60%	40%
10	55%	45%
11	50%	50%
12	45%	55%
13	40%	60%
14	35%	65%
15	30%	70%
16	25%	75%
17	20%	80%
18	15%	85%
19	10%	90%
20	5%	95%

to atmospheric pollution, contaminates, staining or oxidation, distortion or warping due to unusual heat sources (including outdoor grills and reflection from windows or foil sheathing), or the installation of accessory products which are incompatible with the NextStone urethane rock-face paneling or which are installed in a manner detrimental to the performance of the NextStone siding. Proper installation is important to the finished look of the product. Gapping between panels or accessories is not covered under this warranty. This warranty covers only unpainted products and is inapplicable to finishing applied to the product by the homeowner. NextStone shall be allowed a reasonable opportunity and time to investigate the claim and to inspect the rock-face paneling for defects before repairs are begun. You may be requested to allow photos and/or samples to be taken, at NextStone's option, in connection with this investigation. If your rock-face paneling contains manufacturing defects covered by this warranty, NextStone will, at its option, repair or replace the Polyurethane rock-face paneling determined to be defective in accordance with the terms of this warranty, or, in lieu of repair or replacement, NextStone may refund the pro-rated portion of the wholesale price of the products determined to be defective. This warranty shall not cover and NextStone shall not be responsible for costs and expenses incurred with respect to the removal of defective NextStone products or the installation of replacement materials, including but not limited to labor and freight.

The warranty period shall not be extended by any such repair or refund settlements on defective siding or accessories. Due to normal weathering, replacement siding may vary in color and gloss from products originally installed. Such variances are not defects and NextStone is not liable for such variances. NextStone reserves the right to discontinue or make changes in any of its products. If the products covered by this warranty are not available, NextStone shall have the right to substitute a product that in NextStone's sole discretion is of equal quality or value.

NextStone makes no express warranties except as herein stated and shall not be liable for any incidental, special or consequential damages of any kind resulting from the breach of any warranties set forth herein or with respect to the siding products covered by this warranty, the extent of its liability and the owner's exclusive remedy being limited to repair, replacement or refund as set forth herein. No representative of NextStone or any distributor, dealer or contractor is authorized to make any modifications or change to this warranty.

Claims And Warranty Procedure:

If you feel that your siding contains manufacturing defects covered by this warranty, please contact us to request a copy of the Warranty Claim form or visit the website, NextStone.com, to print the PDF document located under the "Support Tab".

Some states do not allow the exclusion or limitations to incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights which vary from.

NOTES



Inspired by Nature.....

Designed by NextStone.

NextStone
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Denver, CO 80239
866-371-8232