

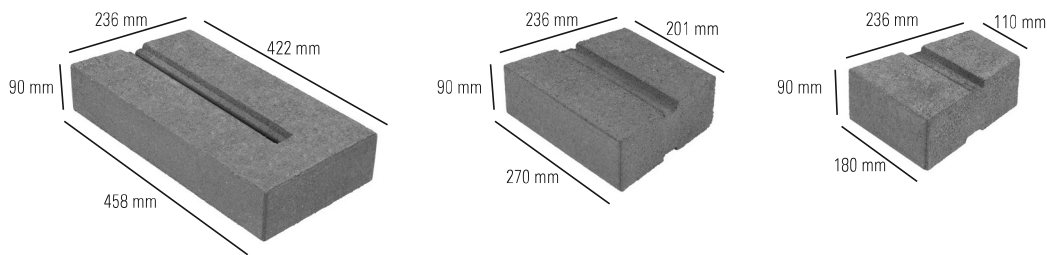
SPECIFIC INSTALLATION DETAILS

CITADIN 90 WALLSTONE

The Citadin 90 Wallstone series has three different modules:

1. A long module, finished on three sides that is also a corner module.
2. A medium module, finished on two sides
3. A small module, finished on two side

Module 90



The three modules have two grooves, aligned one above the other so that the modules can be pivoted 180° in two directions, in vertical and to the horizontal. The three modules each offer four ways of arranging their two distinct imprints, thus giving 12 possible wall layout patterns.

The long module, finished on three surfaces, serves as a corner block.

SPECIFIC INSTALLATION DETAILS

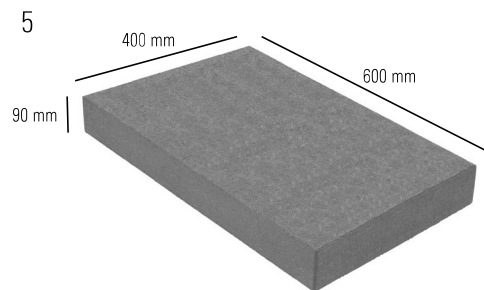
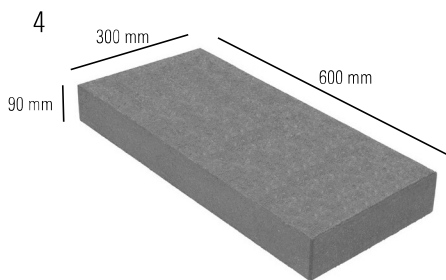
CITADIN 90 WALLSTONE (CONTINUED)

With the Citadin 90 wallstone, you can obtain the same appearance of both sides of a double-sided wall.



The Citadin 90 wallstone comprises the main accessories needed for your projects.

- 4. Coping 90
- 5. Step 90



SPECIFIC INSTALLATION DETAILS

LAURENTIAN 90 AND CITADIN 90 WALLSTONE

LAURENTIAN 90 AND CITADIN 90 WALLSTONE CONSTRUCTION

Consult steps 1, 2 and 3 on page 29 of the Installation Guide.

4. First row

Place the modules on the compacted base while making sure the horizontal alignment is good so that the first layer of blocks is properly levelled.

5. Installing the top rows

It is important to select stone products randomly from various pallets to ensure uniform color throughout the project.

Laurentian 90 and Citadin 90 wallstone connectors are designed for extra strength and easier construction. The connector system is independent of the block: the same connector serves to build a vertical wall (Figure 1) or one with a 3.2° backward incline (Figure 2), just by changing its orientation during installation. Just decide how you'll build the wall and orient the connectors accordingly. Make sure the connectors are properly set to ensure the stability of all modules in your wall. Randomize the various sizes and combinations allowed by the modules. For greater stability and a beautiful appearance, lay the blocks so that the joints are offset between consecutive rows. To achieve a sturdy construction, use masonry adhesive wherever needed and to glue the smaller cut pieces.

Module 90

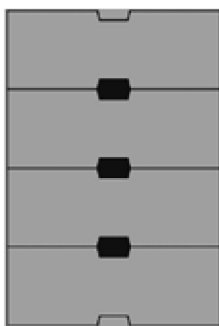


Figure 1

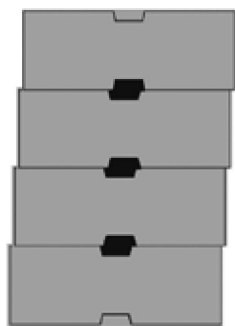


Figure 2



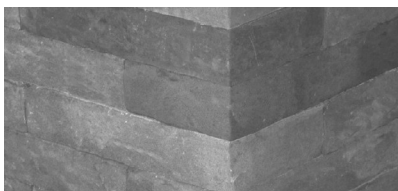
Connector



Connector

6. Building 90° corners

To achieve 90° angles, use the long modules, which have three textured surfaces. As you build up, overlap and alternate between left and right rows. This will increase stability. We recommend that you glue the outside corners with concrete adhesive.

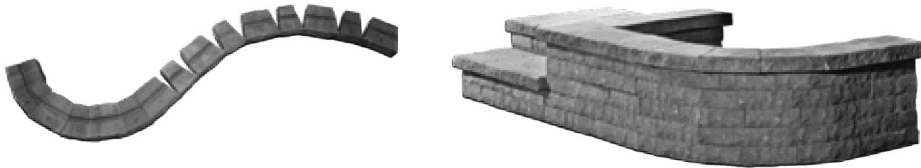


SPECIFIC INSTALLATION DETAILS

LAURENTIAN 90 AND CITADIN 90 WALLSTONE

7. Convex curves

For convex curves, arrange the modules to the desired curvature. By using only the small modules, you can achieve a radius as small as 25 in (635 mm) along the wall-face. With the medium modules, the minimum radius will be approximately 37½ in (950 mm). Alternating between the two modules gives a radius of about 31½ in (800 mm) along the wall-face.



8. Backfilling

After every two rows, fill the space behind the modules with ¾ in (20 mm) clear stone. Protect the clear stone with a membrane from possible contamination by the retained soil. Repeat these steps up to the desired height.

9. Coping modules

The top Laurentian and Citadin 90 row is made with straight coping modules that just out over the front of the wall-face. They are not installed with connectors and must be glued onto the row beneath using masonry adhesive.



9.1. Coping

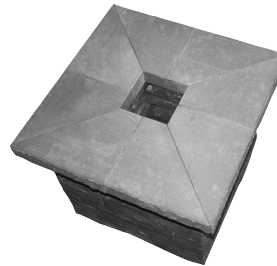
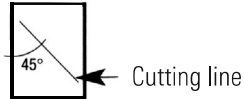
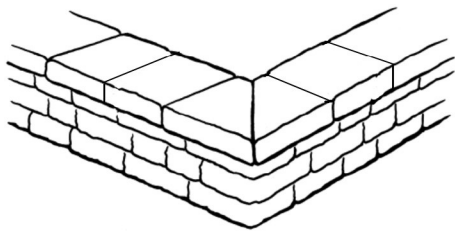
The coping module is ideal for straight line installation, but can also be used for curved installations. This requires some cutting. We recommend gluing the copings to the top row of wall blocks using a masonry adhesive.

SPECIFIC INSTALLATION DETAILS

LAURENTIAN 90 AND CITADIN 90 WALLSTONE

9.2 Corner

To form a 90° angle for the coping, we recommend using two coping modules cut to a 45° angle and always begin installation with the corner, as illustrated.

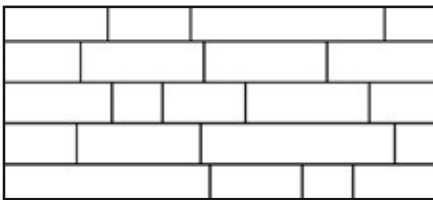


10. Finishing

Once the last row of modules is installed, cover the clear stone behind the wall with a geotextile membrane to avoid contamination from the draining mass. Fill behind the last row of blocks and the coping with nearby soil or other materials (earth, plant matter, mulch, etc.). Level the work in order to complete the layout.

LAURENTIAN 90 AND CITADIN 90 WALL PATTERNS

Module 90



SPECIFIC INSTALLATION DETAILS

LAURENTIAN 90 AND CITADIN 90 STEPS

1. Installing the first row as a support module

Place the first row of Laurentian 90 and Citadin 90 Wallstone modules on a compact base. Make sure it is well-aligned horizontally and level. Be sure to randomize the various sizes and combinations allowed by the modules.

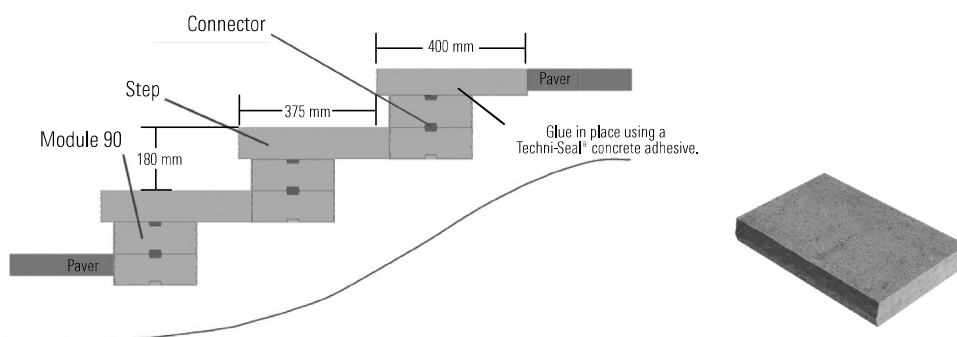


2. Installing the second row as a riser

Place the connectors such that the wall will not lean. Place the following row's modules harmoniously for a natural, balanced look. Make sure the connectors are properly set so that the modules in your second row, which serves as a riser, remain solidly in place. Be sure to randomize the various sizes and combinations allowed by the modules. For greater stability and a beautiful appearance, lay the blocks so that the joints are not aligned between consecutive rows. Use masonry adhesive to glue the smaller cut pieces according to need. We recommend gluing the riser modules for greater stability. Backfill behind the riser and support modules with 0-3/4 in (0-20 mm) stone and compact thoroughly.

3. Installing the step

Place the connectors on the second row such that the wall will not lean. Place the following row's modules harmoniously for a natural, balanced look. Make sure the connectors are properly set so that your modules remain solidly in place. Use concrete adhesive to glue the smaller cut pieces according to need. We recommend gluing the riser modules for greater stability.



4. Installing the following levels

Repeat steps 1, 2 and 3.

SPECIFIC INSTALLATION DETAILS

LAURENTIAN 90 AND CITADIN 90 COLUMN

ERECTING A COLUMN

You can erect a column with Laurentian 90 and Citadin 90 wallstone corner blocks. **However, since the corner block is not sold separately, you will need to use the other blocks (medium and small) when installing the adjacent wall.**

Step 1

Measure the space where the column will be built. Each column has a cross section of about 27½ in x 27½ in (700 mm x 700 mm).

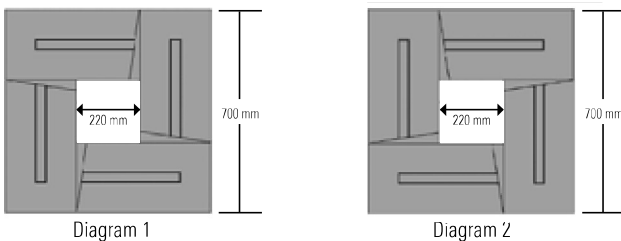
Step 2

Prepare a 30 in x 30 in (770 mm x 770 mm) base, 6 in (150 mm) deep with 0-3/4 in (0-20 mm) granular material. Compact well using a vibrating plate, vibrating roller or jumping jack rammer.

Step 3

Installing Row 1:

Place the first row blocks in the order shown in Layout 1. Set them firmly and make sure they are level. Use a carpenter's square to make sure you have a right angle. Use concrete adhesive to set the following rows.



Installing Row 2:

Proceed as you did with row 1, but using Layout 2 as your guide.

Installing subsequent rows:

From the third row on, begin with Step 3 and alternate between the two layout patterns until you reach the desired height.

Step 4

Laurentian 90 and Citadin 90 coping

Install the Laurentian 90 and Citadin 90 coping on top of the column as shown. Some cutting will be necessary. To achieve a sturdier column, glue the Laurentian 90 and Citadin 90 coping modules with concrete adhesive.

