LiveRoof® BRAND

FULLY GROWN, HYBRID, GREEN ROOF SYSTEM

RoofStone Installation Guide

This guide will help save you time and money by demonstrating the most efficient way to install RoofStone pavers. A video version of this guide can be viewed at LiveRoof.com/RoofStone.

For most projects, you may only need the following tools to install RoofStone:

- Broom and dust pan, to sweep aggregate from underneath the pavers
- Scissors or snips to cut pallet banding
- Chalk line

Depending on the project design, you may also need:

- Chalk or paint pen, square and/or tape measure to mark cut lines
- 14" Wet saw(s) and diamond concrete blades for cutting concrete and plastic
- Extension cords or backup batteries for power tools
- Water source and hose for wet saw
- Masking or duct tape for dry cuts
- Rubber mallet, for connecting pavers with WindDisc
- Drill, rivet gun and blind rivets

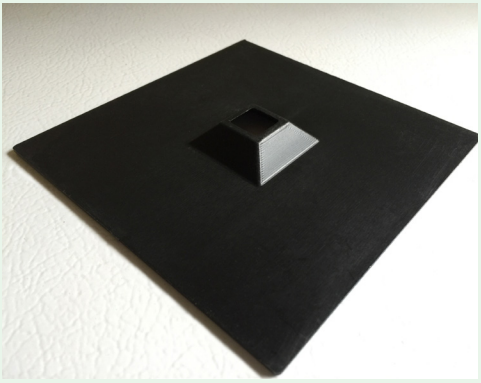
Getting Started

Begin by marking the location of the paver installation using a tape measure and chalk line.

When ready, safely lift the pallet of RoofStone pavers to the roof deck.
A single pallet of pavers can weigh up to 2,600 pounds. Therefore, to avoid overloading the roof, the pavers typically should not be set down on the roof and should remain suspended during installation.

The suspended pallet of pavers may be stabilized against twisting and rocking using tires or insulation.
Once the pallet is stabilized, cut the pallet banding, remove the cardboard wrapper, and begin setting the RoofStone pavers in place according to the roof plan.

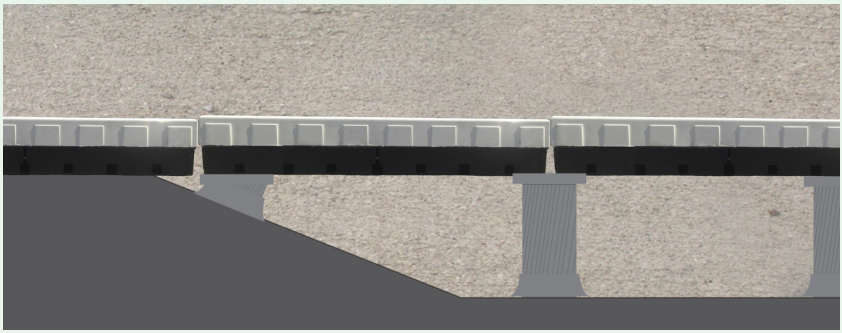
Shims



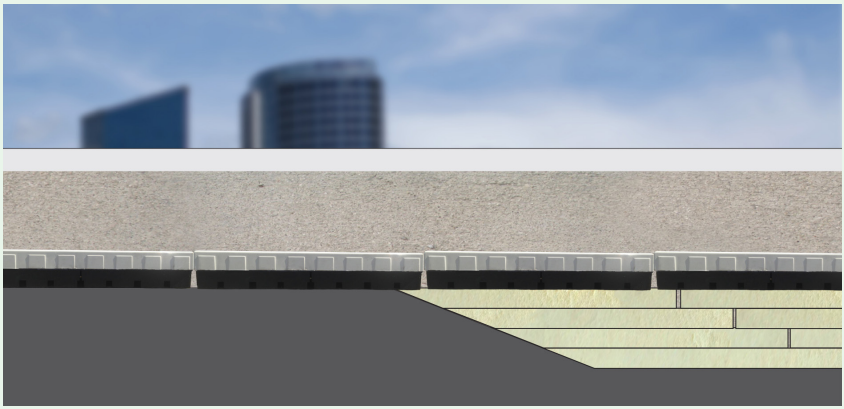
Each order includes one shim per four pavers. These 1/10" thick shims are designed to prevent RoofStone pavers from rocking back and forth on uneven sections of the roof.
In our experience, this typically is more than enough shims to stabilize pavers. If needed, extra shims may be ordered through your LiveRoof representative.
RoofStone is designed to follow roof contours, and these shims are not intended to create a dead-level paver surface.

Leveling Pavers

If you need to level the surface over a large low roof area, use pedestals beneath the RoofStone pavers. Place pedestals at the corners of the RoofStone pavers and twist the pedestal to the desired height, as you would with traditional pavers.



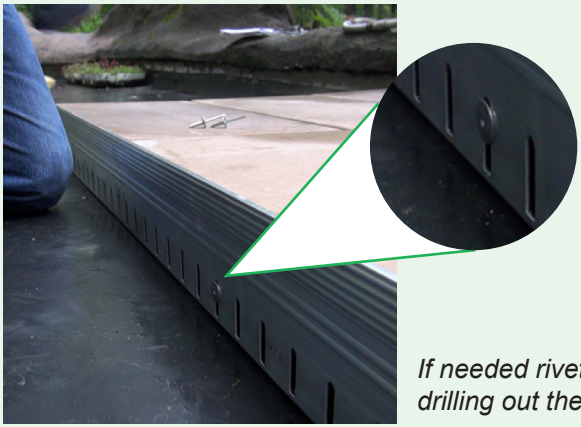
Alternatively, insulation may be tapered and layered to level uneven pavers. To do this, measure and cut insulation to fill in low areas. Allow for sufficient drainage. Typically, water runs off through small gaps between sheets of insulation.



RoofEdge Aluminum Edge Restraint

Unless it abuts a parapet or building wall, the perimeter of RoofStone applications must be surrounded with RoofEdge aluminum edge restraint to protect the plastic base from UV exposure. Failure to protect bases from sunlight will void the RoofStone Warranty.

As an added measure against wind pressure, LiveRoof recommends that edging be secured to RoofStone paver bases using blind rivets.



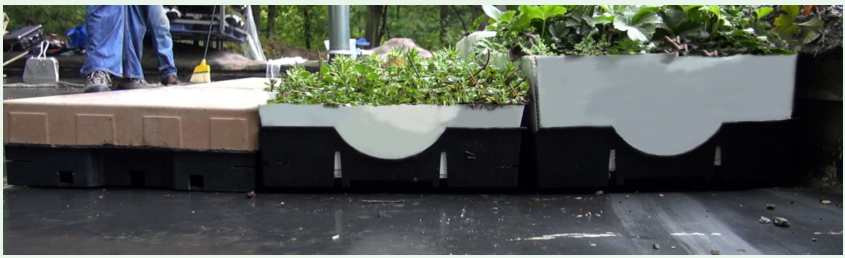
If needed rivets can be removed by drilling out the center.

Traditional paver / pedestal systems require edging when installed next to LiveRoof modules.

RoofStone's unique base fully contains the green roof soil, thus eliminating the need for edging between the products.

Multiple Soil Depth Integration

RoofStone pavers are designed to integrate with LiveRoof Standard modules, which are 4 ¼" deep. If 6" or 8" soil profiles are desired, LiveRoof recommends using a transitional row of LiveRoof Standard modules between the RoofStone pavers and the taller LiveRoof Deep or Maxx modules. Each of these systems has the same plastic module height, which allows them to integrate seamlessly.



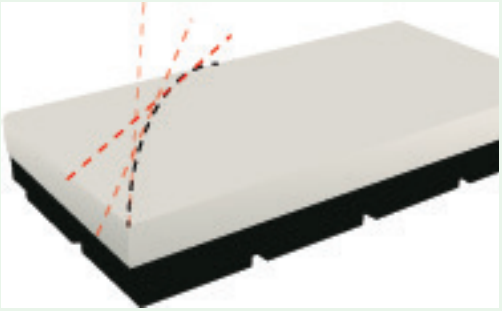
Alternatively, additional paver bases may be ordered to raise the height of the RoofStone paver assembly. The pavers are simply placed atop the extra bases and slid into place next to the deeper green roof modules.

Cutting RoofStone Pavers

Pavers may need to be cut to fit at the perimeter or around rooftop penetrations and equipment.
For the cleanest cuts, LiveRoof recommends a wet saw with a 14" diamond concrete blade.
A piece of tape should be placed over the cut line to prevent chipping.

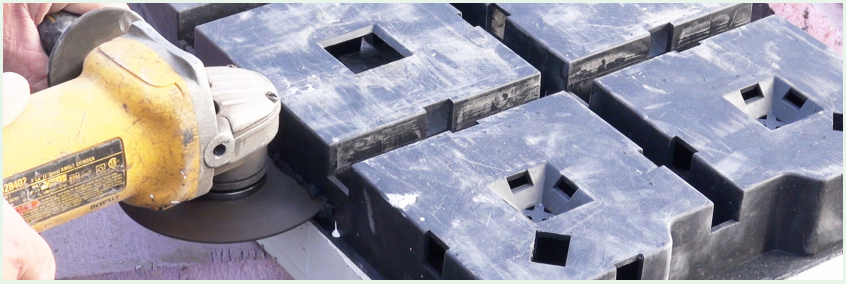
Most chop saws or circular saws will require cuts to be made on both sides of each paper.

Cut the concrete top first, then flip the paver over and finish the cut through the plastic base.



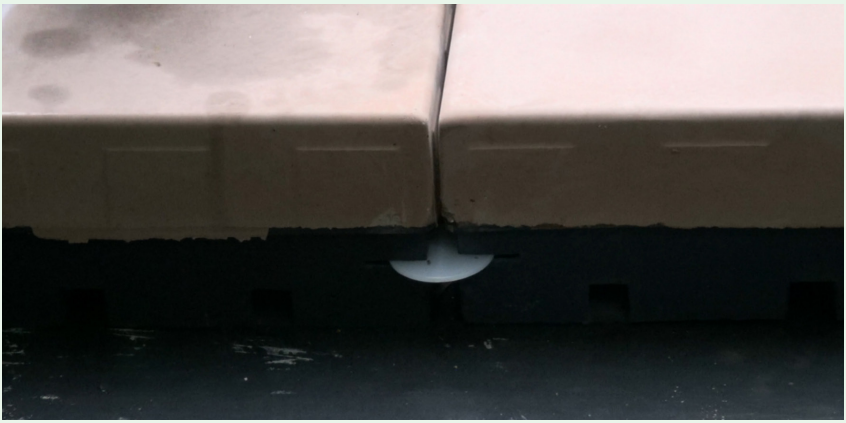
Curved cuts can be made by making several straight cuts on an angle to create the curve.

To accommodate ridges, low penetrations, or irrigation lines, notches may be cut out of the plastic base. An angle grinder with a blade suited to cutting plastic is best for this task. It is ideal to remove entire sections of the RoofStone base when making notches. This keeps the factory edges in contact with the roof membrane and prevents potential damage from burs.



WindDisc for High Wind Applications

High wind applications may require WindDisc, LiveRoof's patented wind uplift solution. On these projects, RoofStone pavers must be special ordered, and will arrive to the jobsite with slots cut into the corners of each base.



To install WindDisc, start by laying a row of RoofStone pavers or LiveRoof modules. Next, use a rubber mallet to tap the discs into place where each corner meets. On uneven roofs, a crowbar or the back of a hammer may be helpful in lifting pavers to level slots prior to inserting the discs.

Then, push the next row of pavers into place, pressing firmly on each paver to ensure the discs on both sides fully engage into the slots. If needed, use a rubber mallet to tap the pavers firmly together.

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