

Technical Information Sheet



SkyPaver™ Composite Pavers

Item Description	Width/Length Options (all heights)
Standard SkyPaver Composite Pavers	
Paver Height: 1.23" (21.2 mm)	4" x 4" (102 mm x 102 mm)
Grid & Paver Height: 1.75" (44.5 mm)	4" x 8" (102 mm x 203 mm)
	8" x 8" (203 mm x 203 mm)
Bullnose SkyPavers	
Paver Height: 1.75" (44.5 mm)	4" x 8" (102 mm x 203 mm)

Description

The Elevate SkyPaver Composite Paver is engineered to serve as a functional, flat roof covering providing superior roof aesthetics, water drainage, and serviceability, while protecting the roof membrane below from roof traffic. SkyPaver Composite Pavers are composed of up to 95% recycled rubber tires and are 1/3 the weight of traditional concrete pavers.

Elevate SkyPaver Bullnose Pavers are available to give the SkyPaver Composite Paver installation a finished appearance and/or add a decorative element.

Method of Application: SkyPaver Composite Pavers

1. Verify that all identified defects in the roof membrane have been repaired to the satisfaction of the roof membrane manufacturer.
2. All substrates must be clean, dry, smooth, and free of sharp edges, fins, loose or foreign materials, oil, grease, and other materials which may damage the roofing membrane.
3. Install the Elevate SkyDrain™ Sheet (**W56GARDR05**) to fit the area(s) to be covered by SkyPaver Composite Pavers. Panels should be butted together, with both the top and bottom geo composite fabrics overlapped at all ends and edges.
4. Begin laying grids starting from one corner. Lay out at least 10 grids to allow for sufficient room to work. Offset seams of the grids with seams of the drainage mat for best results.
5. Grids can be cut to fit using a miter saw or jigsaw. If the ending grids are less than 4" (102 mm), cut off 4" (102 mm) or 8" (203 mm) of the grids before it, so the ending grids can be longer and will connect with overlapping pavers.
6. Bring stacks of pavers to the starting point. Empty pavers off the grid.
7. Lay pavers using chosen pattern (e.g., herringbone, basket weave, running bond), mixing assorted colors if desired. At least one paver must overlap the adjacent grid in all directions, connecting the grids together. Continue laying out grids and pavers until all full pavers are installed.
8. Maintain a recommended 1/2" (12.7 mm) minimum distance between SkyPaver and roof protrusions (e.g., HVAC equipment, roof drains, structural members, roof curbs, etc.).

Method of Application: SkyPaver Composite Pavers Continued

9. Field cutting of pavers: Use a miter saw or jigsaw. Install cut pavers last.
10. Adhering Pavers to grid: Desired in certain cases to mitigate wind uplift, around, drains, or when pavers have been cut. Use a solvent-based advanced polymer adhesive or a water-based adhesive designed for landscaping, place a ¼" (6.4 mm) bead across the top ribs of the grid, set the paver in place and press firmly, leaving the paver in place for the duration of the adhesive cure time.

Method of Application: Cutting SkyPaver Composite Pavers

1. Pavers can be cut to any shape using a jigsaw or miter saw, and a low tooth count wood ripping blade.
2. If using a miter saw, it works best to place the paver on a grid while cutting. Short, quick motions with a miter saw also work better. Slow, continuous cuts may cause binding and warping of the blade.
3. Install cut pavers last.

Method of Application: Adhering SkyPaver Composite Pavers to Grid

1. Desired in certain cases to mitigate wind uplift, around drains or when pavers have been cut.
2. Use a polymer adhesive designed for exterior application. Place a ¼" (6.4 mm) bead across the top ribs of the grid. Adhesive should be applied 16" (406 mm) around the perimeter.
3. Set the paver in place and press firmly, leaving the paver in place for the duration of the adhesive cure time.

Method of Application: Bullnose Pavers

1. Cut grid to allow for adequate interaction of the grid and paver so the bottom of the Bullnose Pavers is fully supported.
2. Apply a ¼" (6.4 mm) bead of adhesive to the top ribs of the rib.
3. Place Bullnose Paver onto the grid, pressing firmly.
4. Slide adjacent Bullnose Pavers into place until finished.
5. Exterior tabs might need to be removed.

Storage

- Keep materials in original packaging until time of installation.
- Store material in a clean, dry location.
- If store outdoors, the product must be covered with a non-translucent material.

Clean-Up

- Most surface spills and stains can be cleaned using household cleaners and warm water.
- Chemical spills (e.g., petroleum, paint) should be cleaned as soon as possible with an appropriate industrial cleaner and rinsed thoroughly with water. Chemical spills or stains left untreated over extended periods of time may degrade the surface finish and integrity of the product and are not covered under warranty.
- Pavers can be cleaned using a pressure washer. Use a wide fan and keep tip far enough away from the surface to not score the product.
- Pretest cleaning products to ensure compatibility.

Precautions

- Color may vary slightly from paver to paver.
- Some fading may occur over time.
- Pavers are not intended for use near, or under, in-ground fire pits. A minimum of four feet must be maintained between an open fire. Portable fire pits, charcoal and gas grills may be used on top of the pavers. We recommend using a fireproof mat to protect any potential scarring to the product.

LEED® Information

Post-Consumer Recycled Content: up to 95%

Post Industrial Recycled Content: 0%

Manufacturing Location: Washington, IA

NOTE: LEED® is a registered trademark of the U.S. Green Building Council

Bullnose SkyPavers: 4 " x 8" (102 mm x 203 mm)		
NOTE	Color	Item Number
Bullnose SkyPavers do not come with SkyPaver installation grids. Any extra grids required for the inclusion of Bullnose SkyPavers need to be ordered separately.	Ruby	W56GARPAVBR
	Chestnut	W56GARPAVBB
	Sage	W56GARPAVBO
	Ash	W56GARPAVBW

SkyPaver Accessories		
Item	Color	Item Number
SkyPaver Grid: 16" x 16" (406 mm x 406 mm)	Black/Gray	W56SKYGD123
SkyDrain Sheet (see TIS 1910 for additional information)	Tan/Gray Fabrics	W56GARDR05

4" x 4" (102 mm x 102 mm) SkyPaver (16 Pavers per Grid)	
Color	Item Number
Ruby	W56GARPAV44R
Chestnut	W56GARPAV44B
Sage	W56GARPAV44O
Ash	W56GARPAV44W

4" x 8" (102 mm x 203 mm) SkyPaver (8 Pavers per Grid)	
Color	Item Number
Ruby	W56GARPAVR
Chestnut	W56GARPAVB
Sage	W56GARPAVO
Ash	W56GARPAVW

8" x 8" (203 mm x 203 mm) SkyPaver (4 Pavers per Grid)	
Color	Item Number
Ruby	W56GARPAVR
Chestnut	W56GARPAVB
Sage	W56GARPAVO
Ash	W56GARPAVW

Color Options



Ruby

Sage

Chestnut

Ash

Application

	SkyPavers
Flat Roofs	✓
Amenity Spaces	✓
Rooftop Patios	✓
Rooftop Pathways	✓
Rooftop Pool Areas	✓
Rooftop High Traffic Zone	✓
Rooftop Impact Zones: Ice, Hail	✓

Packaging and Coverage Rate

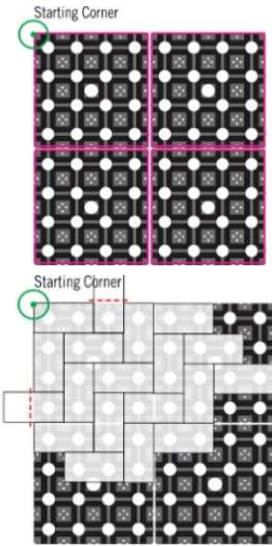
SkyPaver Composite Pavers	4" x 4" (102 mm x 102 mm) 16 per grid	4" x 8" (102 mm x 203 mm) 8 per grid	8" x 8" (102 mm x 203 mm) 4 per grid
Grids per Pallet	180	180	180
Pavers per Pallet	2880	1440	720
Area per Pallet	320 ft ²	320 ft ²	320 ft ²

Paver Patterns

Herringbone

Most popular and easiest to install pattern. Pavers will interlock grids in both directions.

- Lay the installation grids as illustrated at left.
- Start laying pavers at the starting corner.

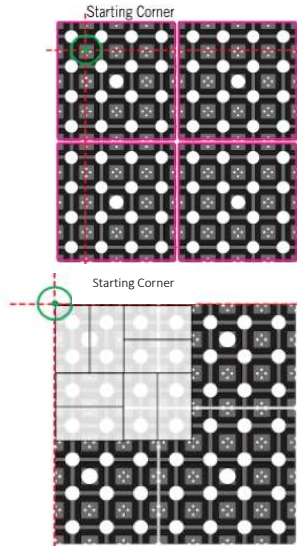


Basketweave

Simplest installation method for a basketweave pattern, but will require extra installation grids.

- The initial paver must be laid 4" down and 4" over from the top left corner of the grid. This will shift the pattern over and assure at least one paver will connect two grids in both directions.

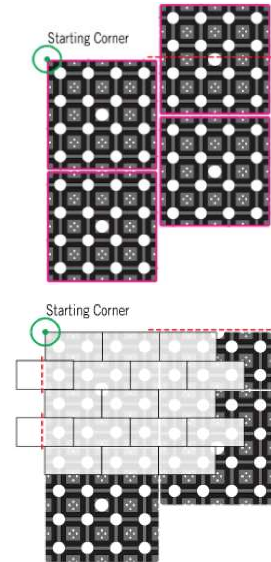
The leftover grid can either be trimmed off, or a 4" border can be used to fill in the extra space.



Running Board

This pattern requires staggering the grids to assure the pavers will connect them in both directions.

- The starting paver can be laid in the top left corner, but the next column of grids must be staggered halfway down. Each half of the cut grid can be used.

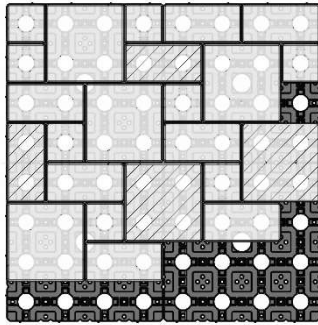
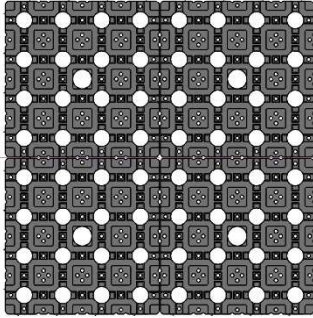


8" x 8" (203 mm x 203 mm), 4" x 8" (102 mm x 203 mm) Paver Patterns

Plain Weave

8 x 8 - 57% & 4 x 8 - 28.6%

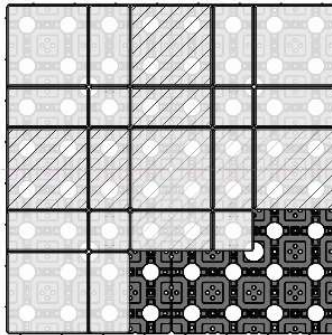
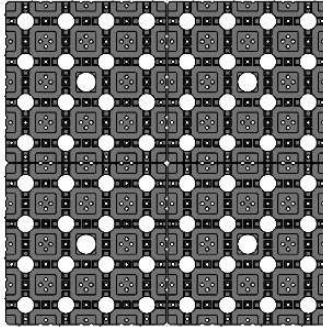
- Lay the installation grids as illustrated below.
- Start laying pavers at the starting corner.
- Compatible with 4" (102 mm) and 8" (203 mm) soldier course borders



Block Lattice

8 x 8 - 44.4% & 4 x 8 - 44.4%

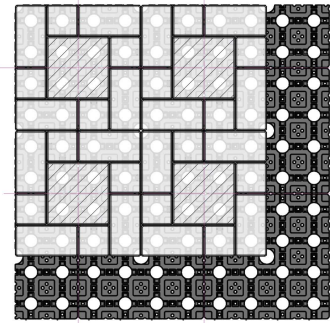
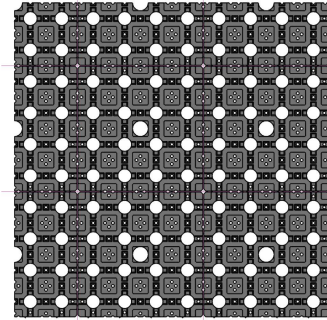
- Lay the installation grids as illustrated below.
- Start laying pavers at the starting corner.
- Perimeter 8" x 8" (203 mm x 203 mm) pavers can be replaced with 4" x 8" (102 mm x 203 mm) pavers to create an 8" (203 mm) soldier course border.



Soldiered

8 x 8 - 25% & 4 x 8 - 50%

- Trim Grids as illustrated below.
- All parts of quarter grids and half grids can be used.
- Lay the installation grids as illustrated at left.
- Start laying pavers at the starting corner.
- Adding 4" (102 mm) or 8" (203 mm) soldier course would eliminate the need to cut grids.



Packaging and Coverage Rate

Property	Value
Paver Size (H)	1.23" (31.2 mm)
Paver Size (W x L)	4" x 4" (102 mm x 102 mm) 4" x 8" (102 mm x 203 mm) 8" x 8" (203 mm x 203 mm) (pavers per grid: 16, 8, 4)
Grid Size	16" x 16" (406 mm x 406 mm)
Installed Height	1.75" (44.5 mm)
Installed Weight	6.7 lb/ft ² (31.25 kg/m ²)

Physical Properties

Property	Test Method	Value
Coefficient of Friction	ASTM C1028-07	Dry (static): 0.83 / Wet (static): 0.47
Flame Spread	ASTM E108-007 (test at 1/2: 12 slope)	Class "A"
Chemical Resistance	No visual discoloration after 30-day exposure to household bleach or muriatic acid. No known discoloration due to exposure to road/deicing salt (sodium chloride), engine oil, grease, and common household cleaners.	
Water Absorption	ASTM C67 Section 8 (material test)	4.10%
Freeze-Thaw Cycling	ASTM C67 Section 9 (material test)	Pass: No visual signs of cracking, warping, or crazing (freeze-thaw cycles: 52 times over 75 days)

NOTE: A chemical shall be considered a flammable solid if, when evaluated by the method described in 16 CFR 1500.44, it ignites and burns with a self-sustained flame at a rate greater than one-tenth of an inch per second (6.0 in/min) along its major axis. Testing via UL 94 Section 7, a flame spread rate has been observed that is one-third the limit recognized by the Code of Federal Regulations.

Please contact Holcim Technical Services at 800-428-4511 for further information.

This sheet is meant to highlight Elevate products and specifications and is subject to change without notice. Holcim takes responsibility for furnishing quality materials that meet published Elevate product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Holcim nor its representatives practice architecture. Holcim offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Holcim accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Holcim representative is authorized to vary this disclaimer.