

PRODUCT DATA SHEET

Product Name

Lightweight Roof Paver

Manufacturer

Stepstone, Inc.
17025 So. Main

Product Description

Stepstone has produced high quality precast concrete for over 40 years.

Lightweight Roof Pavers are 1 inch hardrock concrete backed with 1½ inches of 25 LBS. extruded polystyrene. Lightweight Roof Pavers are designed to be used in both commercial and residential applications.

Composition & Materials

Lightweight Roof Pavers are hand-made, wet-cast from 5000 PSI hard rock concrete using Type III cement.

Sizes

Lightweight Roof Pavers are available in 23-7/8" x 23-7/8" x 2-1/2" standard. Custom sizes are available upon request.

Finishes

Lightweight Roof Pavers available finishes include: Custom Aggregates, Sonorastone® slate finish, light, medium, or heavy sandblast.

Colors

Lightweight Roof Pavers are available in twelve standard colors:

Almond, Cafe Brown, Espresso Brown, Caramel, French Gray, Granada White, Iceberg Green, Malibu, Santa Fe Buff, Brick Red, Agave, and Porcelain; custom colors are available upon request.

Technical Data

APPLICABLE STANDARDS

American Society for Testing & Materials (ASTM)

ASTM C33 - *Standard Specification for Concrete Aggregates*

ASTM C39 - *Concrete Compressive Strength*

ASTM C150 - *Standard Specification for Portland Cement*

ASTM C642 - *Water Absorption, Density, Voids in Hardened Concrete*

ASTM C666 - *Rapid Freeze/Thaw Resistance of Concrete*

ASTM C979 - *Pigments for Integrally Colored Concrete*

ASTM C1028 - *Coefficient of Friction*



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Physical/Chemical Properties

Lightweight Roof Paver weight is 12 LBS per square foot.

Water absorption: Not more than 5.0 % average, not more than 6.0 % for any individual unit for standard colors.

Unit length, width and height are not more than +/- 1/8" from standard dimensions. No unit will differ more than +/- 1/8" from the approved samples. Test reports are available upon request. Concrete is non-combustible.

Installation

Preparatory Work

Handle and store product according to Stepstone, Inc. recommendations. Follow generally accepted masonry practice.

Methods

Lightweight Roof Pavers are to be loose laid on the roof. Sides shall be parallel, with courses straight. Lightweight Pavers should butt up to each other and be contained at the perimeter edges. Lightweight Roof Pavers are to be laid with even bearing and supported equally. The roof surface shall be non-compressible and designed to carry the loads that the Lightweight Roof Pavers will apply when fully loaded as per design.

Precautions

Slight variations in color and texture of natural materials are normal. Some minor chipping may result from shipping and handling, but is not detrimental to appearance or function.

Building Codes

Lightweight Roof Pavers are designed to meet or exceed the requirements of the model building codes. Installation must comply with the requirements of all applicable local, state, and national code jurisdictions.

Availability & Cost

Availability

Contact Stepstone, Inc. for information and product availability

Cost

Budget material cost information may be obtained from the manufacturer at the telephone number above.

Limited Warranty

Lightweight Roof Pavers are guaranteed against defects in material and workmanship for a period of five years. Unusual abuse and neglect will invalidate the limited warranty. Contact manufacturer for additional information on warranty conditions, duration, and remedies.

Maintenance

Stepstone, Inc. recommends a concrete sealer. Exterior products may be washed periodically to remove dirt, stains, and mildew. Periodic inspection may be advisable in some environments in order to ensure pre-cast components are fixed in place and not subject to movement. In freeze-thaw areas sealers must be maintained to cover warranty.

Technical Services

The manufacturer maintains a technical sales department offering specifications and engineering calculations for specific products and samples. For assistance contact Stepstone, Inc.