



Precast Solutions Since 1963

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PRODUCT DATA SHEET

Product Name

California Architectural (CalArc) Pedestal Supported Reinforced Roof Paver

Manufacturer

Stepstone, Inc.

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Product Description

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

California Architectural Pedestal Supported Reinforced Roof Pavers are pre-cast hardrock, concrete pavers that come in many standard sizes. All Reinforced Roof Pavers are to be reinforced with zinc plated welded wire fabric reinforcing. California Architectural (CalArc) Pedestal Supported Reinforced Roof Pavers are designed for use in commercial and residential applications.

Composition & Materials

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

Sizes

Roof Pavers are available in standard sizes ranging from 11-7/8" x 11-7/8" to 23-7/8" x 47-7/8" in 2" - 2 1/2" thicknesses.

Finishes

Reinforced Roof Pavers available finishes include: Custom aggregates, Sonorastone® slate finish, light, medium, or heavy sandblast

Colors

Reinforced 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*



LA Research Report No. 25754 (CSI #10270)

Physical/Chemical Properties

Paver weight is 22-28 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

California Architectural Pedestal Supported Reinforced Roof Pavers shall be elevated with pedestal supports. Sides shall be parallel, with courses straight. Spaces between the pavers shall not be less than 1/8". Reinforced Roof Pavers are to be supported equally and contained at the perimeter edges. The roof shall be non-compressible and designed to carry the loads that the 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

Reinforced 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

California Architectural Pedestal 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 water repellent 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.