

# Architects - Manufactured Masonry Spec Data



**1. Product Name:** ProVia's manufactured stone

**2. Manufacturer:** ProVia

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### 3. Product Description

**Basic Use:** ProVia® is a lightweight concrete product, designed for cosmetic use on interior or exterior walls in both residential and commercial applications. The product is intended for non-structural use, and because of its light weight, requires no additional footings. ProVia's stone is easy to install and can be applied to almost any load-bearing wall, wood frame, steel, or masonry.

**Composition and Materials:** A blend of portland cement, lightweight aggregates and iron oxide pigments make up ProVia® products. ProVia® produces its own stone using hand-crafted molds. These molds, in remarkable detail, capture the look, feel and texture of natural stone and are used to cast ProVia's stone products.

**Types, Sizes and Shapes:** Shown below

Type	Width Varies	Height Varies	Thickness
Ledgestone	6" - 21 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>4</sub> " - 6 <sup>1</sup> / <sub>2</sub> "	1" - 2 <sup>1</sup> / <sub>4</sub> "
Dry Stack	5" - 21 <sup>1</sup> / <sub>2</sub> "	1" - 5 <sup>1</sup> / <sub>2</sub> "	1" - 2"
Limestone	5" - 21 <sup>1</sup> / <sub>2</sub> "	2" - 12 <sup>1</sup> / <sub>2</sub> "	1" - 1 <sup>3</sup> / <sub>4</sub> "
Field Stone	3" - 16 <sup>1</sup> / <sub>4</sub> "	3" - 16 <sup>1</sup> / <sub>4</sub> "	1" - 2"
River Rock	3" - 16 <sup>1</sup> / <sub>2</sub> "	3" - 16 <sup>1</sup> / <sub>2</sub> "	1" - 2"
Natural Cut™	6" - 21 <sup>1</sup> / <sub>2</sub> "	1 <sup>1</sup> / <sub>4</sub> " - 6 <sup>1</sup> / <sub>2</sub> "	1" - 2 <sup>1</sup> / <sub>4</sub> "
Terra Cut™	3" - 22"	2" - 8"	<sup>3</sup> / <sub>4</sub> " - 2"
PrecisionFit™ Stone Panels	9", 13 <sup>1</sup> / <sub>8</sub> ", 22 <sup>3</sup> / <sub>8</sub> "	3 <sup>15</sup> / <sub>16</sub> "	1" - 2 <sup>1</sup> / <sub>4</sub> "

Stone Accessories	Measurement and Thickness
Hearthstone	19 <sup>1</sup> / <sub>2</sub> " x 19 <sup>1</sup> / <sub>2</sub> " x 1 <sup>3</sup> / <sub>4</sub> "
Half Hearthstone	12" x 20" x 1 <sup>3</sup> / <sub>4</sub> "
Water Table Sills	23 <sup>5</sup> / <sub>8</sub> " x 3" x 3" (1" wash)
Peaked Wall Caps	(Large) - 19 <sup>3</sup> / <sub>4</sub> " L x 15 <sup>1</sup> / <sub>8</sub> " W x 2 <sup>1</sup> / <sub>4</sub> " D (7/8" wash) (Small) - 19 <sup>3</sup> / <sub>4</sub> " L x 11 <sup>1</sup> / <sub>4</sub> " W x 2 <sup>1</sup> / <sub>4</sub> " D (7/8" wash)
Flat Wall Cap	(Small) 12" x 24" x 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>7</sup> / <sub>8</sub> ", (Medium) " x 24" x 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>7</sup> / <sub>8</sub> ", (Large) 16" x 24" x 2 <sup>1</sup> / <sub>4</sub> " x 2 <sup>7</sup> / <sub>8</sub> "
Column Cap	14" x 14" (Small), 22" x 22" (Medium), 31" x 31" (Large)
Keystone	(Small) 8 <sup>1</sup> / <sub>8</sub> " W x 6" W x 8" C x 1 <sup>3</sup> / <sub>4</sub> " D (Large) 11 <sup>1</sup> / <sub>2</sub> " W x 7" W x 11" C x 1 <sup>3</sup> / <sub>4</sub> " D
Flat Window Trim	6 <sup>1</sup> / <sub>2</sub> " W x 22 <sup>1</sup> / <sub>2</sub> " L x 1 <sup>1</sup> / <sub>2</sub> " D
Shutter Block	2" x 13 <sup>1</sup> / <sub>2</sub> " x 2 <sup>1</sup> / <sub>2</sub> "
Trim Stone	6" x 8" x 1 <sup>3</sup> / <sub>4</sub> "
Hydrant Stone	6 <sup>5</sup> / <sub>8</sub> " x 7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>3</sup> / <sub>4</sub> " (1" hole)
Classic Receptacle Stone	6 <sup>5</sup> / <sub>8</sub> " x 7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>3</sup> / <sub>4</sub> " (2 <sup>3</sup> / <sub>8</sub> " x 4 <sup>1</sup> / <sub>8</sub> " opening)
Contemporary Receptacle Stone	6" x 8" x 1 <sup>1</sup> / <sub>2</sub> " (2 <sup>3</sup> / <sub>8</sub> " x 4 <sup>1</sup> / <sub>8</sub> " opening)
Contemporary Double Receptacle Stone	8" x 8" x 1 <sup>1</sup> / <sub>2</sub> " (4 <sup>1</sup> / <sub>4</sub> square opening)
Classic Light Trim	7 <sup>1</sup> / <sub>2</sub> " x 10 <sup>5</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>4</sub> " (4 <sup>1</sup> / <sub>2</sub> " diameter hole)
Contemporary Light Trim	8" x 10" (Small) 10" x 15" (Large) (3 <sup>5</sup> / <sub>8</sub> " hole)
Row Locks	5 <sup>1</sup> / <sub>2</sub> " x 7 <sup>1</sup> / <sub>2</sub> " x 1 <sup>3</sup> / <sub>4</sub> " (Large) 4" x 5" x 1 <sup>3</sup> / <sub>4</sub> " (Small)
Mantle	10" x 48" x 2 <sup>1</sup> / <sub>2</sub> " (Small) 10" x 60" x 2 <sup>1</sup> / <sub>2</sub> " (Large)
Mantle Bracket	10 <sup>1</sup> / <sub>2</sub> " x 6 <sup>1</sup> / <sub>2</sub> " x 2 <sup>1</sup> / <sub>2</sub> "
Window & Door Surround	18" x 6" x 2"
Window & Door Surround - Corner	13 <sup>1</sup> / <sub>2</sub> " x 13 <sup>1</sup> / <sub>2</sub> " x 6" x 2"

Corners		Measurement
90 degree	Contact manufacturer if specific corner sizes are needed	
135 degree	3 <sup>1</sup> / <sub>2</sub> " x 2" x 2"	
Universal Corners		Used For
Tan	Ohio Vintage, Nantucket	
Buff	Sandusky Shore	

**Styles and Textures:**

- Ledge Stone: a collection of stone with eroded surfaces and jagged edges
- Dry Stack: collection of carefully selected stone of varying thickness, designed to fit tight together
- Limestone: a collection of stone with brusquely chiseled, square and rectangular surfaces
- Field Stone: a collection of deeply textured, irregularly-shaped stone
- River Rock: a collection of randomly-shaped rounded stone
- Natural Cut™: a collection of roughly chiseled stones with irregular cuts
- Terra Cut™: a collection with the characteristics of ledgerstone, dry stack and weathered stones
- PrecisionFit™: a collection of precast panel systems for easy installation
- Stone Accessories: a collection of accent pieces to compliment the stone

**Colors:** See manufacturer's brochure for current color selections or view their product gallery on [provia.com](http://provia.com). Since permanent iron oxide pigments are used in ProVia® products, colorfast is assured. Mortar color greatly affects and/ or enhances the appearance of the finished installation. Regular mortars can be tinted to complement ProVia® products.

**Limitations:** Stone products do not add to the load bearing capacity of a wall and should not be used in areas that may come in contact with harsh chemicals such as chlorine or deicing materials. Hearth stones are not recommended for foot traffic. Consult a construction engineer prior to usage.

**Approvals:** IAPMO Research and Testing ER-462 verifies that ProVia's stone products are code compliant

## Technical Data

### Applicable Standards:

- ASTM C39 Standard Test method for Compressive Strength
- ASTM C91 Standard Specification for Masonry Cement
- ASTM C150 Standard Specification for Portland Cement
- ASTM C190 Standard Test method for tensile strength of hydraulic cement mortar
- ASTM C192 Standard Practice for Making and Curing Concrete Test Specimens in a Lab
- ASTM C270 Standard Specification for Mortar for Unit Masonry
- ASTM C348 Standard Test method for flexural strength of hydraulic cement mortar
- ASTM C482 Standard Test method for bond strength of ceramic tile to Portland cement base
- ASTM C518 Standard Test method for steady-state thermal transmission properties
- ASTM C567 Standard Test method for Unit Weight of Structural Lightweight Concrete
- ASTM C666/C666M Standard Test method for Resistance of Concrete to Rapid Freezing and Thawing
- ASTM D226 Standard Spec for Asphalt-Saturated Organic Felt for Roofing/Waterproofing