



MONUMENTAL STONE WORKS, INC.

## Product Data Sheet

### Monumental Stone Works, Inc. Cast Stone Masonry Units

Manufacturers  
of quality  
products and  
field technical  
support for the  
following  
communities:

Architectural

Residential

Commercial

Hardscape

#### Manufacturer:

Monumental Stone Works, Inc.  
105 S. Third Street  
P.O. Box 112  
New Market, IN 47965  
765-866-0658 (Office)  
765-866-0719 (Fax)

[www.monumentalstoneworks.com](http://www.monumentalstoneworks.com)

#### Product Description:

Monumental Stone Works cast stone is a precisely fabricated cementous product, formulated and manufactured to resemble natural building stone. Our products are manufactured to meet or exceed the requirements of ASTM 1364.

Monumental Stone Works selects only the highest quality raw materials for its products, adheres to strict manufacturing procedures, quality control measures, and stringent packaging methods in the manufacturing and distribution of our products.

Our dedication to producing the highest quality cast stone available in the marketplace, ensures a superior finished project and ease in installation.



#### Benefits:

Natural Stone Appearance  
Custom Fabricated Units  
Special Shapes  
Superior Durability

#### Application / Use:

Cast stone manufactured by Monumental Stone Works is typically installed within the brick, block and/or cultured stone cavity wall system.

Some applications are:

- Banding
- Sills
- Coping
- Caps
- Veneer
- Medallions
- Window/Door Head Units
- Watertable
- Keystones



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## Monumental Stone Works Inc. Cast Stone Masonry Units

### Packaging:

Cast stone manufactured by Monumental Stone Works can be palletized to meet specific job/installation requirements. Typically units are palletized with like profiles and lengths on each pallet. When site conditions and progressions dictate otherwise, palletizing of individual units can be customized per elevation and/or phase. Expanded polystyrene foam is placed between each unit to protect edges and preserve the overall appearance of each unit.

### Material Composition:

Cast stone manufactured by Monumental Stone Works is comprised of the following:

- Portland Cement Type 1: 29%
- Course Aggregate: 17%
- Fine Aggregate: 51%
- Iron Oxide Pigments: 1%
- Proprietary Admixture: 1%
- Water, Potable: 1%

### Availability:

Cast stone manufactured by Monumental Stone Works is distributed nationwide through our network of authorized dealers as well as direct sale to installers in some markets.

### Samples:

Samples of our products which demonstrate our standard color selection, texture and available profiles can be obtained by contacting our manufacturing plant or authorized distributor.

### Installation:

In post production, each piece is identified with a part number, noted by a barcode label affixed to the unfinished side to the piece. The barcode label system eliminated the possibility that piece marks, made with permanent marker, will be exposed to view.

As items are assigned to individual pallets a packing slip is generated which details each item on each pallet.

A "Bill-of-Lading" accompanies each shipment, identifying each pallet included in the shipment and which items are contained on each pallet.

A copy of "setting drawings" are sent with the first truck load of material for field installation.

Carefully unload the shipment, taking care not to damage the material or pallet during the unloading process.

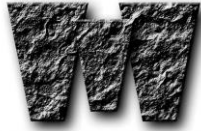
Store un-opened pallets in a central location away from heavy equipment traffic.

Review the setting instructions and pull the individual pallets needed for the area under construction and stage accordingly in that specific area.

Remove wrap from pallet by cutting banding and/or wrap in all four directions taking special care not to gouge the top layer of stone with the cutting device being used.

Ensure installation area is clear and ready for installation of cast stone piece with a full bed depth mortar joint. Ensure there is a path to the area of install free of debris or obstructions.

Our products are normally palletized with the unfinished side (wall cavity side) down. Lift individual pieces carefully by sliding the top piece a few inches off the pallet and gripping the bottom of the piece with fingers while the palm of the hand grips the outside edge.



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Set cast stone unit in a full bed depth mortar joint, taking care to level and plumb each unit. Furrowing mortar joints and improperly filling head joints is not recommended.

Where anchorage is required, saw cut slots or drill dowel pin holes to meet specific field conditions. Use only stainless steel anchors with the installation of our materials. Set anchors using mortar slush or a fluid (fast setting) epoxy or similar chemical anchor.

Where our material will be exposed to ground moisture, at or below grade, a sealer should be applied to prevent staining of the units in contact with the soil or landscaping materials.

We recommend placement of a slip plane or bond breaker in the bed joint between the top of our material and the first course of dissimilar masonry materials. This can usually be achieved with the use of sheet plastic. Allow the sheet plastic to drape down over the cast stone to prevent staining during final cleaning. Once final cleaning has completed the slip plane can be cut back flush at the bed joint.

Installing larger panels and pieces will require the use of specialized lifting devices such as clamps and/or lifting straps. Special care should be taken to not damage the piece when using these lifting devices. Soft dunnage material such as clean cloth or cardboard should be placed at the point of contact between the lifting device and the cast stone piece.

**Manufacturing Tolerances:**

Monumental Stone Works prides itself on supplying units in exact dimensions. Pieces are fabricated to the precision of 1/16" and a field tolerance of 1/8" is viewed as being acceptable as an industry standard.

**Cleaning:**

Where applicable, clean all masonry materials located above the cast stone while sheeting is still in place to prevent loosed rundown from staining/streaking the cast stone. Work in a "top down / left to right" progression. Keep all cast stone items saturated with water during cleaning. Clean wall down to cast stone course(s), Remove sheeting. Wet cast stone. Clean with typical masonry detergents, SureKlean 600 is recommended. Never power-wash cast stone.

**Physical Properties:**

Patriot Engineering and Environmental.  
Project: 16-0812-01C

*ASTM C-1195 48hr Cold Water Absorption:*

Specification:  $\leq$  6%

Result: 4.2%

**Finding: Meets or exceeds ASTM Standard.**

*ASTM C-1194 Compressive Strength:*

Specification:  $\geq$  6,500 PSI

Result: 7,040 PSI

**Finding: Meets or exceeds ASTM Standard.**

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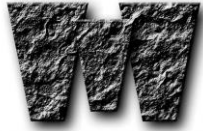
C.T.L. Group  
Project: 391434

*ASTM C-666 Resistance to Rapid Freezing and Thawing:*

Specification:  $\leq$  5%

Result: 4.41%

**Finding: Meets or exceeds ASTM Standard.**



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## Monumental Stone Works Inc. Cast Stone Masonry Units

### Warranty:

Monumental Stone Works, Inc. warrants that its products are free from manufacturing defects and conform to applicable ASTM specifications.

Monumental Stone Works makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products. User assumes all risks and liability in connection with the suitability of the products for the intended use.

Standard 10 year warranty applies and commences upon delivery.

