

# MeltonStone™ Cast Stone

## Architectural Products Guide Specification

### Part I - General

#### 1.01 Scope

- A. Manufacturer shall supply MeltonStone™ architectural cast stone as described in the specification.
- B. Setting contractor shall unload, store and set cast stone, and shall furnish attachment hardware, mortar, mortar color, caulk, sealers, ledge angles, structural bracing, structural support, loose anchors and pins for balusters.

#### 1.02 Submittals

- A. Submit for approval samples of the architectural cast stone to be supplied which are representative of the general range of color and finish to be furnished.
- B. Submit \_\_\_\_\_ (part drawings, or shop drawings) for approval.

### Part 2 - Products

#### 2.01 Acceptable Manufacturer

- A. Melton Classics Incorporated  
P.O. Box 465020  
Lawrenceville, GA 30042  
770-963 -3060 800-963-3060  
FAX 770-962-6988

#### 2.02 Materials

- A. MeltonStone™ architectural cast stone.
  - 1. Physical Properties
    - a. Compressive strength, ASTM C-1194; 6500 PSI min. for products 28 days or;
    - b. Compressive strength, ASTM C-39; 5000 PSI min for products at 28 days.
    - c. Absorption, ASTM C-1195 or ASTM C-642; 6% max. for products 28 days.
    - d. Multiply requirements of field cut or core drilled specimens by 80% to determine minimum compressive strength.

#### 2.03 Color and Finish

- A. Color shall be \_\_\_\_\_ (natural limestone or white standard colors) or custom color as specified.
- B. Custom color to match sample for project of \_\_\_\_\_ (insert description).
- C. Exposed surfaces, unless otherwise specified shall exhibit a fine grained texture similar to natural stone. No bug holes or air voids are permitted.
- D. Variation:
  - 1. Must match color and finish of approved sample subjected to similar aging and weathering conditions viewed in direct sunlight at a distance of 10 ft.
  - 2. ASTM color variation allowed - 2% hue, 6% lightness, chroma and hue combined.

#### 2.04 Curing and Finishing

- A. Yard cure for 350 degree days prior to shipment.
- B. All surfaces shall be acid-etched to remove cement film prior to packaging for shipment.

#### 2.05 Related Materials

- A. Anchors - non corrosive, galvanized, brass or stainless steel type 304.
- B. Mortar - Type N, ASTM C-270.

### Part 3 - Execution

#### 3.01 Installation and Tolerances

- A. Comply with Cast Stone Institute Technical Manual on the world wide web at [www.caststone.org](http://www.caststone.org).
- B. Set stones 1/8" or less within plane of adjacent unit.
- C. Joint Size: stone/brick joints = 3/8"; stone/stone joints vertical = 1/4" to 3/8"; stone/stone exposed top = 3/8".
- D. Joint Material: use a full bed of mortar at all bed joints.

#### 3.02 Cleaning and Repair

- A. Clean stone by wetting with clear running water and applying a solution of "Sure Kleen" #600 by ProSoCo, Products, Inc., or equal. Follow cleaner manufacturers instructions.
- B. Repair obvious chips with touch-up material furnished by the manufacturer.