

## SECTION 06615 - CAST MARBLE

### PART 1 – GENERAL

#### 1.1 SUMMARY

- A. Section includes:
  - 1. Vanity tops with cut-out for undermount bowls
  - 2. Undermount bowls for vanity tops
  - 3. Kitchenette Countertops with cut-out for drop in bowls.
  - 4. Tub & shower surrounds; related accessories.

#### 1.2 REFERENCES

- A. Standards of the following as referenced:
  - 1. American National Standards Institute (ANSI).
  - 2. International Cast Polymer Association (ICPA).
  - 3. Environmental Protection Agency (EPA).
  - 4. National Association of Home Builders, Research Foundation, Inc. (NAHB/RF).

#### 1.3 DEFINITIONS

- A. Terms: Cast Marble: Cast Polymer, Cultured Marble, Synthetic Marble; synonymous terms.
- B. Description: A non-porous homogeneous mixture of natural minerals and polyester resins thermally bonded to produce solid fabrications with polished sealed surfaces.
- C. Installer: Cast Marble Installation Company.

#### 1.4 SUBMITTALS

- A. Shop Drawings:
  - 1. Submit top views, elevations and sections (as needed).
  - 2. Indicate dimensions, material thickness, location and sizes of cutouts, anchorage provisions and attachment methods.
  - 3. Indicate coordination requirements with adjacent and interfacing work.
  - 4. Samples: 6" by 6" samples or as requested; indicate full color range and pattern variation. Approved samples will be standard for cast marble.
  - 5. Product Data:
    - a. Submit manufacturer's product data indicating compliance with specified performance requirements.
    - b. Operation and maintenance data. Manufacturer's data indicating cleaning and maintenance requirements.
    - c. Quality Assurance submittals outlined in Section 1.5.

#### 1.5 QUALITY ASSURANCE

- A. Qualifications:
  - 1. Cast marble manufacturer qualifications:
    - a. ICPA member one calendar year, minimum, prior to Contract date.
    - b. Five years experience, minimum, in manufacturing similar type units.
    - c. Fabricated five Projects, minimum, of comparable magnitude in last three years.
    - d. Architect reserves right to inspect fabricator's facilities in determining acceptability of cast marble work.
    - e. Approved by Architect prior to contract signing.
  - 2. Installer qualifications:
    - a. Installed five Projects, minimum, of comparable magnitude in last three years.

b. Approved by Architect prior to signing of Contract.

- B. Performance Requirements: Cast marble products are to comply with the following standards:
1. ANSI Z-124.3, 1986; vanity tops.

## 1.6 DELIVERY, STORAGE AND HANDLING

- A. Packing and shipping: Vanity tops, tub surrounds and other flat products to be packed in wooden crates to minimize damage in shipping. Undermount china bowls to be palletized.
- B. Acceptance at site: A forklift is required. Check for damaged crates. Mark bill of lading if there is any obvious damage and notify marble supplier immediately. Otherwise, proceed with offloading crates.
- C. Storage and protection: Store materials under shelter, off of ground, protect from moisture. Materials must be at room temperature prior to installation. Handle materials to prevent physical damage. Protect surfaces from staining, scratching and other damage during handling.

## 1.7 PROJECT CONDITIONS

- A. Field measurements: Shop drawings are to be field verified to ensure proper fit of materials prior to fabrication.

## 1.8 SEQUENCING AND SCHEDULING

- A. Coordinate construction activities in this Section with construction activities specified in related Sections or other construction activities required for fabrication and installation.

## 1.9 WARRANTY

- A. Manufacturer's standard five-year limited warranty on defective materials.

## PART 2 – PRODUCTS

### 2.1 SURROUNDS

- A. Tub and shower surrounds: subject to compliance with performance requirements, manufacturers offering specified items which may be incorporated in the work include the following:
1. Mincey Marble Mfg., Inc., Gainesville, Georgia (800) 533-1806. Contact Kenneth Mincey or Donna Mincey.
  2. Approved Equal.
- B. Product standard of quality: Mincey Marble Mfg., Inc. Standard Material
1. ¼" thick cast synthetic marble wall panels. Height and width installation within tub or shower unit as indicated on drawings.
  2. Back panel to be one piece.
  3. Provide self-draining soap dishes in same material and color as wall panels. Refer to Drawings for soap dish location.
  4. Color: See Drawings – Interior Material Schedule.
- C. Adhesives and sealants:
1. To adhere panels to gypsum board use:
    - a. LN-933 Liquid Nails.
    - b. Nail-No-More.
    - c. Or other as acceptable to Architect.
  2. To seal interior seams (marble to marble) a 100% mildew resistant silicone is required.
    - a. Shurstik – 100% Silicone Caulk (Gibson-Homans).
    - b. Dow Corning Corp., #786 Mildew Resistant Silicone Sealant.
    - c. Or other as acceptable to Architect.

- d. Siliconized caulk is NOT acceptable.
3. To caulk marble panels to adjoining gypsum board, wallpaper or paint, use mildew resistant acrylic caulk sealant:
  - a. Phenoseal Acrylic Caulk (Gibson-Homans).
  - b. Or other as acceptable to Architect.

## 2.2 VANITY TOPS, LAVATORY COUNTERTOPS AND BOWLS

- A. Vanity tops, lavatory countertops and bowls: subject to compliance with performance requirements, manufacturers offering specified items which may be incorporated in the work include the following:
  1. Mincey Marble Mfg., Inc., Gainesville, Georgia (800) 533-1806. Contact Kenneth Mincey or Donna Mincey.
  2. Approved Equal.
- B. Performance requirements:
  1. ANSI Z124.3, 1986; Plastic Lavatories - Must be tested quarterly on a random basis by an accredited laboratory.
- C. Manufacturing:
  1. Finish to be matte.
  2. Factory molded synthetic marble, complete with integral backsplash (see Drawings for height of back and side splashes), apron and loose end splashes. See Drawings for size.
  3. Thickness: Homogeneous  $\frac{3}{4}$ " (min) thick.
  4. Sanitary sealant specified in Section 07900 – Joint Sealers.
  5. Cutouts for Undermount Bowls: Cast finished cutout in top to receive under mounted bowl. Insert hardware as needed into top during casting process for bowl installation. Provide other necessary hardware to attach bowl to top.
  6. Aprons (where applicable) to be manufactured of same material and color as top. See drawings for cutouts. Indicated cutouts are to be cast into aprons.
  7. Fabricate to required profiles and dimensions. To the greatest extent possible, fabricate each unit continuous, without joints and to minimize on-site cutting or other modifications.
- D. Fabrication:
  1. Use molds, materials, methods and procedures that will result in proper texture and finish.
  2. Fabricate to required profiles and dimensions. To the greatest extent possible, fabricate each unit continuous, without joints and to minimize on-site cutting or other modifications.
  3. All surfaces to be uniform matte. All edges to be eased and sanded smooth.
  4. Cure components prior to shipment and remove traces of material that may be toxic or incompatible with other building materials.
  5. Aprons and end splashes to be shipped loose in crates and installed by cast marble installers in field.
- E. Lavatory Bowls:
 

Undermount bowls to be shipped loose on pallets. Cast marble installers to attach to tops in field.

  1. "Marina 169", Western Pottery Company
  2. \_\_\_\_\_ by \_\_\_\_\_
- F. Color: Interior Materials Schedule.

## PART 3 – EXECUTION

### 3.1 INSTALLATION - GENERAL

- A. Install components in accordance with reviewed shop drawings and plans.
- B. All materials to be plumb, level and rigid. Neatly scribe to adjoining surfaces.
- C. Field trim all components as needed to fit field conditions.

- D. Immediately replace any material that is cracked, chipped, broken or otherwise defective.

### **3.2 INSTALLATION – TUB SURROUNDS**

- A. Provide cutouts in panels as required for the installation of plumbing outlets.
- B. Secure soap dishes to panels with 100% Silicone Sealant per manufacturer's written instructions.

### **3.3 INSTALLATION – VANITY TOPS**

- A. Provide continuous, structural, wooden framework at back wall, sides and front for top. Front of framework to be ½ " less than height of cast marble apron.
- B. Provide openings in front of framework for required accessories. Install indicated accessories as directed by Contractor.
- C. Attach cast marble apron to wooden framework using 100% silicone.

### **3.3 CLEANING**

- A. Protect all finished work until final acceptance by Owner.
- B. Clean installed units not more than 48 hours prior to Date of Substantial Completion. Repair or replace damaged or stained cast marble work.

**END OF SECTION 06615**