

## SECTION 06615 – CAST MARBLE

### PART 1 – GENERAL

#### 1.1 SUMMARY

- A. The following products are to be cast marble:
  - 1. Vanity Tops with cutout for undermount bowls.
  - 2. Amenities Niche
  - 3. Tub & Shower Surrounds; related accessories.
  - 4. Window Sills

#### 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:
  - 1. Cast Marble: Cast Polymer, Cultured Marble, Synthetic Marble; synonymous terms.
- B. Description:
  - 1. A patterned, non-porous homogeneous mixture of natural minerals and polyester resins thermally bonded to produce solid fabrications with polished sealed surfaces. Colors and grain pattern shall run all the way through the base material.

#### 1.4 SUBMITTALS

- A. Shop Drawings:
  - Submit top views, elevations and sections (as needed). Indicate dimensions, material thickness, location and sizes of cutouts, anchorage provisions and attachment methods. Indicate coordination requirements with adjacent and interfacing work.
- B. Color: Upon approval by Architect.
- C. Samples:
  - Submit 6" by 6" samples; indicate full color range and pattern variation for approval by architect. Approved samples will be standard for all cast marble.
- D. Product Data:
  - 1. Submit manufacturer's product data indicating compliance with specified performance requirements.
  - 2. Operation and maintenance data. Manufacturer's data indicating cleaning and maintenance requirements.
  - 3. Quality Assurance submittals as needed to comply with 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. Provide reference list of those completed Projects for review and verification
      - b. Approved by Architect prior to signing of Contract
  - B. Performance Requirements:  
Cast marble products are to comply with the following standards:
    - 1. Vanity tops – Tested by NAHB Research Center, Upper Marlboro, MD  
ANSI Z-124.3, 1995; Plastic Lavatory Units  
BOCA 1206.2/CABO 2314.1; Lavatory Waste Outlet Dimension  
SBCCI 902; Overflow Requirements
- 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:  
Contractor or Installer to supervise unloading of materials. 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 cover, off of ground, protect from moisture. 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 by Contractor to ensure proper fit of materials.
- 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 ten-year limited warranty on defective materials.

## PART 2 – PRODUCTS

2.1 VANITY TOPS & NICHES, TUB SURROUNDS AND WINDOW SILLS

- A. 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. Aquaglass
  - 3. Kohler
  - 4. Substitution as approved by Architect.
- 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. Factory molded synthetic marble vanity tops with dripless edge at typical and accessible rooms.
  - 2. Thickness: Homogeneous ¾" (min) thick for vanity top and splashes.
  - 3. Cutouts for Undermount Bowls: Cast integral finished cutout in top to receive undermounted bowl. Insert hardware as needed into top during casting process for bowl installation. Provide other necessary hardware to attach bowl to top.
  - 4. Sanitary sealant specified in Section 07900 – Joint Sealers.
  - 5. Aprons to be manufactured of same material and color as top
- 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.
- E. Lavatory Bowls:
  - 1. Undermount china bowls as approved by Architect.
- F. Requirements for tub and shower surrounds:
  - 1. ¼" thick cast synthetic marble wall panels. Panels are to extend 60" above bath tub.
- G. Adhesives and sealants:
  - 1. To adhere panels to gypsum board use:
    - a. LN-601 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.

### 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.
- C. Hold bottom edge of wall panel ¼" above rim of tub and shower for application of sealant.

#### 3.2 INSTALLATION – VANITY TOPS

- A. Provide continuous, structural, wooden cleats at back and side walls.

#### 3.3 CLEANING

- A. Contractor to 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