

SECTION 06615
CAST MARBLE FABRICATIONS
MASTERSPECS

** NOTE TO SPECIFIER **

This section is based on the products of Mincey Marble Mfg., Inc., which is located at:
4321 Browns Bridge Road
Gainesville, GA 30504
Tel: (800) 533-1806.
Fax: (770) 531-0935

Since 1977, this family owned business has been the nation's leading cultured marble manufacturer of vanity tops, tub and shower surrounds, The Niche, shower pans, windowsills, thresholds and whirlpool tubs for the hospitality, hospital, assisted living, apartment, condo, and school markets today.

PART 1 GENERAL

1.1 SECTION INCLUDES

** NOTE TO SPECIFIER ** Delete items below not required for project.

- A. Synthetic marble tub and shower surrounds, with related accessories.
- B. Synthetic marble countertops with cutout for undermount lavatory bowls.
- C. Synthetic marble countertops with integral lavatory bowls.
- D. Synthetic marble windowsills, thresholds, and other flat products.

1.2 RELATED SECTIONS

** NOTE TO SPECIFIER ** Delete any sections below not relevant to this project; add others as required.

- A. Section 06100 - Rough Carpentry.
- B. Section 06400 - Architectural Woodwork.
- C. Section 07900 - Joint Sealers.
- D. Section 09260 - Gypsum Board Systems.
- E. Section 09300 - Tile: Shower floor and base.
- F. Section 15145 - Plumbing Piping.
- G. Section 15146 - Plumbing Specialties.

1.3 REFERENCES

** NOTE TO SPECIFIER ** Delete references from the list below that are not actually required by the text of the edited section.

- A. ANSI Z-124.3 - American National Standard for Plastic Lavatories; American National Standards Institute; 1995.

- B. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2000a.
- C. NFPA 101 - Code for Safety to Life from Fire in Buildings and Structures; National Fire Protection Association; 2000.

1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
 - B. Product Data:
 - 1. Manufacturer's printed product data indicating compliance with specified requirements.
 - 2. Manufacturer's cleaning and maintenance data.
 - C. Shop Drawings:
 - 1. Submit plans, elevations, and detail sections.
 - 2. Indicate overall dimensions, material thickness, location and size of cutouts, anchorage provisions and attachment methods.
 - 3. Indicate coordination requirements for adjacent and interfacing work.
- ** NOTE TO SPECIFIER ** Delete selection samples if colors have already been selected.**
- D. Selection Samples: For each product specified, complete set of color chips representing manufacturer's full range of available colors and patterns.
 - E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, represent actual product, color, and patterns.
 - F. Quality Control Submittals:
 - 1. Test reports indicating compliance with performance requirements.
 - 2. Certificate of membership in ICPA.
 - 3. Toxic Chemical Release Inventory Reporting Form R and Instructions, Section 313 of the Emergency Planning and Community Right-to-Know Act, Revised 1990 Version.
 - 4. Installer qualifications as specified under Quality Assurance article below.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Member of International Cast Polymer Alliance (ICPA), with not less than five years of experience in manufacturing products similar to those required for this project.
- B. Installer Qualifications: Not less than five installations of comparable scope within the past three years.
 - 1. Provide list of contacts for recently completed projects.
 - 2. Architect may inspect installations and reject proposed installer on the basis of references or quality of work.

**** NOTE TO SPECIFIER ** Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.**

- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques, application workmanship, and overall appearance of installation.
 - 1. Install complete set of products in area designated by Architect.
 - 2. Do not proceed with remaining work until workmanship, color, and finish have been approved by Architect.

3. Approved mock-up may become part of the work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Packing and Shipping: Pack countertops, tub and shower surrounds, and other flat products in wooden crates to minimize shipping damage. Palletize other components.
- B. Check for shipping damage during unloading at site and notify manufacturer immediately of any obvious damage.
- C. Store products under shelter, off the ground, and protected from moisture. Materials must be at room temperature prior to installation. Handle products to prevent physical damage. Protect surfaces from staining, scratching, and other damage during handling and installation.

1.7 PROJECT CONDITIONS

- A. Field Measurements: Verify shop drawings with field measurements prior to fabrication.
- B. Coordination: Coordinate construction activities of this section with construction activities specified in related sections.

1.8 WARRANTY

- A. See Section 01780 - Closeout Submittals, for additional warranty requirements.
- B. Vanity Tops with Integral Lavatories: Manufacturer's standard one-year limited warranty on defective materials.
- C. Vanity Tops with Cutouts for Undermount Lavatories: Manufacturer's standard five-year limited warranty on defective materials.
- D. Tub Surrounds and Other Flat Products: Manufacturer's standard five-year limited warranty on defective materials.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Mincey Marble Manufacturing, Inc.; 4321 Browns Bridge Road, Gainesville, GA 30504. ASD. Tel: 800-533-1806. Fax: 770-531-0935.

**** NOTE TO SPECIFIER ** Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.**

- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 MATERIALS

- A. Provide cast marble fabrications made of proprietary resin and gel coat finish with finished properties as described under specific product types.
- B. Adhesives and Sealants: As specified in Section 07900, and as follows:

1. To adhere cast marble panels to gypsum wallboard, use LN-933 Liquid Nails, Nail-No-More, or other product recommended by manufacturer.
2. For joints between cast marble panels, use a mildew resistant 100 percent silicone joint sealer; siliconized calking compound is not acceptable.
3. For sealing cast marble panels at adjoining surfaces such as gypsum wallboard, use mildew resistant acrylic calk joint sealer, such as Phenoseal Acrylic Caulk by Gibson-Homans, or other product recommended by cast marble panel manufacturer.

C. Polishing Cream: As recommended by manufacturer.

2.3 TUB AND SHOWER SURROUNDS

**** NOTE TO SPECIFIER ** Delete one of the following two paragraphs.**

- A. Material: Mincey Classic™ Manufacturer's standard proprietary cast marble material.
- B. Material: MINCOR™ panels, Class A per NFPA 101, with properties as follows per ASTM E 84:
 1. Flame Spread: 25 or less.
 2. Smoke Developed: 450 or less.

**** NOTE TO SPECIFIER ** Choose from the following six types of surrounds and then select from the series. Please call us with any questions.**

- C. Traditional Tub/Shower surrounds Model #TS-TR: Thickness of 1/4 inch (6.3 mm); height and width as indicated on the drawings; back panel in one piece.
- D. Diamond Tub/Shower Series Model # TS-DS: 10" x 10" Diamond pattern etched into surround. Thickness of 1/4 inch (6.3 mm); height and width as indicated on the drawings; back panel in one piece. Gloss finish required.
- E. Simulated Tile Pattern Series Model TS-ST: 8" x 10" tile pattern, 8" x 8" tile pattern or 6 x 6 tile pattern with realistic simulated grout lines. Thickness of 1/4 inch (6.3 mm); height and width as indicated on the drawings; back panel in one piece. Gloss finish required.
- F. Old World Classics Series Model # TS-OWC: 12 x 12 Slate texture look, 18 x 18 Travertine look or 13 x 20 Staggered Stone pattern.
- G. Vision Surrounds Model # TS-VS: Pentagon pattern etched into panels
- H. Vintage Series Model TS-VN: Small pattern ceramic tile look, 1 x 1 pattern, 1 x 2 pattern or 3 x 6 Subway pattern
- I. Trim and Accessories: Matching trim and accessory pieces, of same material and color as wall panels. Provide accessories as follows:
 1. Accessible Tubs: One corner mount and one wall-mount soap dish.
 2. Other Tubs and Showers: Two corner soap dishes
 3. Other Tubs and Showers: One wall-mounted soap dish measuring and one corner soap dish.

**** NOTE TO SPECIFIER ** Delete two of the three paragraphs below.**

- J. Color and Pattern: As selected from manufacturer's standards.
- K. Color and Pattern: As scheduled.
- L. Color and Pattern: _____.

2.4 VANITY TOPS AND LAVATORY COUNTERTOPS

- A. Material: Manufacturer's standard proprietary cast marble material.
- B. Configuration: Homogeneous with integral backsplash, minimum thickness of 3/4 inch (19 mm); other dimensions as indicated on the drawings.
1. Provide apron of matching material, dimensions and cutouts as indicated.
 2. Provide end splashes or matching material, dimensions as indicated.
- ** NOTE TO SPECIFIER ** Delete one of the two paragraphs below.**
- C. Cutouts for Undermount Bowls: Cast integral finished cutout in tops to receive undermounted bowls. Insert necessary mounting hardware into tops during casting process; provide other hardware required to attach bowls. Provide one of the following for field installation:
1. Marina 169, by Western Pottery Company.
 2. _____, by _____.
- D. Integral Lavatory Bowls: Cast elliptical depression; comply with ANSI Z124.3 and test quarterly on a random basis by accredited laboratory.
- ** NOTE TO SPECIFIER ** Delete two of the three paragraphs below.**
- E. Color and Pattern: As selected from manufacturer's standards.
- F. Color and Pattern: As scheduled.
- G. Color and Pattern: _____.

2.5 WINDOW SILLS

- A. Material: Manufacturer's standard proprietary cast marble material.
- B. Configuration: Minimum thickness of 3/4 inch (19 mm); other dimensions as indicated on the drawings.
- ** NOTE TO SPECIFIER ** Delete two of the three paragraphs below.**
- C. Color and Pattern: As selected from manufacturer's standards.
- D. Color and Pattern: As scheduled.
- E. Color and Pattern: _____.

2.6 FABRICATION

- A. Use molds, materials, methods, and procedures that will result in proper texture and finish.
- B. Fabricate to required profiles and dimensions. To the greatest extent possible, fabricate each unit as a continuous piece, without joints, and configured to minimize on-site cutting or other modifications.
- C. Ease all edges and sand smooth; provide uniform gloss finish on all exposed surfaces.
- D. Cure components prior to shipping, and remove traces of material that may be toxic or incompatible with other building materials.

PART 3 EXECUTION**3.1 EXAMINATION**

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 INSTALLATION

- A. General: Install in accordance with manufacturer's instructions and approved shop drawings. Install components to be plumb, level, and rigid. Neatly scribe to adjoining surfaces, and field trim as required for snug fit. Replace any component that is cracked, chipped, broken, or otherwise defective.
- B. Tub and Shower Surrounds: Cut openings as required for installation of plumbing fittings. Secure soap dishes to panels with silicone joint sealer, as recommended by panel manufacturer.
- C. Vanity Tops and Lavatory Countertops: Install on rigid wooden framework, following manufacturer's recommended procedures.
 - 1. Attach apron to framework with silicone joint sealer after verifying that apron will extend minimum 1/2 inch (12.7 mm) beyond edge of support.
- D. Window Sills: Attach to solid substrate with sealer, as recommended by manufacturer.

3.3 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged components before Substantial Completion.

END OF SECTION