

SECTION 066500 - SOLID POLYMER FABRICATIONS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Solid polymer lavatory tops with integral sink bowls and backsplash.
2. Solid polymer kitchen cabinetry tops and coffee station with integral backsplash.

B. Related Sections include:

1. Section 063000 – Metal Kitchen Cabinetry.
2. Section 064116 – Plastic Laminate-Clad Architectural Cabinets.
3. Section 102800 - Toilet and Bath Accessories: Accessories used in conjunction with countertops.
4. Division 220000 - Plumbing.

1.2 REFERENCES

A. American National Standards Institute (ANSI):

B. American Society for Testing and Materials (ASTM):

1.3 SUBMITTALS

A. Submit under provisions of Section 013300.

1. Shop Drawings: Indicate dimensions, component sizes, fabrication details, attachment provisions and coordination requirements with adjacent work.
2. Samples: Submit minimum of two, 2 x 2 inch samples indicating color and pattern variation.
3. Product Data: Indicate product description, fabrication information and compliance with specified performance requirements.

B. Submit under provisions of Section 013300, and 017700:

1. Maintenance Data: Submit manufacturer's care and maintenance data, including repair and cleaning instructions, in printed form.

1.4 QUALITY ASSURANCE

A. Fabricator and Installer: Trained by manufacturer.

1.5 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store, and handle products as per manufacturer requirements.
- B. Do not deliver components until areas are ready for installation.
- C. Store components indoors prior to installation.
- D. Handle materials to prevent damage to finished surfaces.

1.6 WARRANTY

- a. Provide manufacturer's 10-year warranty against defects in materials, providing coverage for material and labor to repair or replace defective materials. Damage caused by physical or chemical abuse and excessive heat is excluded.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer and Product:
 - 1. Cambria Signature Series, Color: Smithfield. No substitutions without Architect's approval.
- B. Substitutions: Under provisions of Section 012500. With Architects approval only.

2.2 MATERIALS

- A. Solid Polymer Fabrications:
 - 1. Material: Homogeneous filled acrylic; not coated, laminated, or of composite construction.
 - 2. Meet ANSI Z124.3 and Z124.6, Type Six, and FS WW-P-541E/GEN.
 - 3. Superficial damage to a depth of 0.010 inch repairable by sanding.
 - 4. Thickness: 2 inch minimum.
 - 5. Color: Miami White 17. As indicated in the drawings.

2.3 ACCESSORIES

- A. Joint Adhesive: Manufacturer's standard two-part adhesive, chemical bond type.
- B. Sealant: Manufacturer's standard single component mildew-resistant silicone sealant, color to coordinate with countertops.

2.4 FABRICATION

- A. Fabricate components in shop to greatest extent practical, to sizes and shapes indicated, in accordance with approved shop drawings and manufacturer's requirements.
- B. Fabricate back and end splashes and aprons in color to match countertops color, unless otherwise noted.

- C. Form joints between components with joint adhesive to be inconspicuous in appearance and without voids.
- D. Finish exposed edges to smooth, uniform 2 inch (13 mm) bullnose finish.
- E. Surface Finish: Uniform finish with 5 - 20 gloss rating per NEMA LD3-3.13.
- F. Repair or reject defective and inaccurate work.
- G. Allowable Tolerances:
 - 1. Maximum variation in size: 1/8 inch (3 mm).
 - 2. Maximum variation in location of openings: 1/8 inch (3 mm) from indicated location.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install components plumb and level, in accordance with approved shop drawings and manufacturer's installation instructions.
- B. Set plumb, level, and rigid.
- C. Adhere counter tops and back and end splashes to substrate with joint adhesive.
- D. Seal perimeter with sealant. Finish smooth and flush.

3.2 CLEANING

- A. Clean surfaces in accordance with manufacturer's instructions.

3.3 ADJUSTING

- A. Sand out minor scratches and abrasions.

3.4 PROTECTION

- A. Protect surfaces from damage until Owner's acceptance following Substantial Completion, using non-staining coverings.

END OF SECTION 066500