

Product Guide Specifications

Al-Co Products – Cultured Stone



1-800-686-2489

485 Second Street • P.O. Box 74
Latty, Ohio 45855

Email: sales69@metalink.net

www.al-coproducts.com

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format, including MasterFormat, SectionFormat, and PageFormat, contained in the CSI Manual of Practice.

The section must be carefully reviewed and edited by the Architect/Specifier to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the drawings.

Delete all "Specifier Notes" when editing this section.

DIVISION 06 61 13 Cast Polymer Fabrications (cultured marble fabrications)

Specifier Notes: This section covers Al-Co Products Cultured Stone products,

Including all engineered composites such as engineered composite, engineered granite. Consult Al-Co Products, Inc. for assistance in editing this section for the specific application, if necessary.

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Al-Co Products Cultured Stone

Specifier Notes: Edit the following list of engineered composite products as required for the project.

1. Bathroom vanity tops
2. Shower pans
3. Shower pan thresholds
4. Shower seats
5. Tub and/or shower wall panels
6. Whirlpool tub decks
7. Flooring thresholds
8. Window sills and trim/casings
9. Gas fireplace hearth and surrounds
10. Cabinet aprons and skirts
11. Countertop
12. Tabletops.
13. Bar tops
14. Bathroom accessories

1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to Al-Co Products engineered composites or engineered composites.

- A. Section 06 20 00 – Finish Carpentry
- B. Section 06 41 00 – Architectural Wood Casework
- C. Section 12 36 00 – Countertops
- D. Section 12 30 00 – Casework
- E. Section 22 40 00 – Plumbing Fixtures

1.3 REFERENCES

Specifier Notes: List standards referenced in this section, complete with designations and titles. This article does not require compliance with standards, but is merely a listing of those used.

- A. ANSI Z 124.3 – Plastic Lavatories
- B. ASTM E 84 – Standard Test Method for Surface Burning Characteristics of Building Materials

1.4 SUBMITTALS

- A. Comply with Section 01 33 00 – Submittal Procedures.
- B. Product Data: Submit manufacturer’s product data including installation instructions.
- C. Shop Drawings: Submit manufacturer’s shop drawings, including plans, elevations, sections, and details indicating dimensions, sizes, installation details, attachment provisions, and coordination requirements with adjacent work.
- D. Samples: Submit manufacturer’s 4-inch by 7-inch samples of engineered composite for each color specified, showing material thickness and finish. Indicate full range of colors and patterns.
- E. Manufacturer’s Certification: Submit manufacturer’s certification that materials comply with specified requirements and are suitable for intended application.
- F. Maintenance Data: Submit manufacturer’s care and maintenance recommendations, including recommended repair and cleaning instructions.
- G. Warranty: Submit manufacturer’s standard commercial warranty.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications:
 - 1. Sufficient plant facilities to provide quality, quantities, shapes, and sizes of engineered composite units required without delaying progress of the Work.
 - 2. Minimum of 20 years experience in producing engineered composite products.
- B. Installer Qualifications: Experienced installer who has demonstrated successful installation of engineered composite or engineered composite products similar to that specified.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer’s original, unopened containers and packaging, with labels clearly identifying product name, manufacturer, and individual unit number.
- B. Storage: Store materials flat in clean, dry area indoors in accordance with manufacturer’s instructions.
- C. Handling: Protect materials and finish from damage during handling and installation in accordance with manufacturer’s instructions.

1.7 SCHEDULING

- A. Schedule and deliver engineered composite units when ready for installation.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Al-Co Products Inc. 485 Second Street P.O. Box 74, Latty, OH 45855, (800) 686-2489 (419) 399-4702 (f).

2.2 ENGINEERED COMPOSITES

Specifier Notes: Specify engineered composite or engineered granite.

- A. Material: Engineered [marble] [granite].
- B. Compliance:
 - 1. ANSI Z 124.3.

Specifier Notes: Engineered composite and granite can be fabricated to comply with ASTM E 84, Class 1 to meet requirements of the project. Consult Al-Co Products for any additional or specific information.

- 2. [ASTM E 84] [ASTM E 84, Class 1]



1-800-686-2489

485 Second Street • P.O. Box 74
Latty, Ohio 45855

Email: sales69@metalink.net

www.al-coproducts.com

- C. Performance Requirements: ANSI Z 124.3.
 - 1. Color Fastness: No changes, 200 hours.
 - 2. Wear and Cleaning: Passes.
 - 3. Impact Resistance: No cracks or chips.
 - 4. Stain Resistance: Passes.
 - 5. Chemical Resistance: Passes
 - 6. Drain Fitting Connection: Passes
 - 7. Loads on Lavatory Tops: Passes.
 - 8. Cigarette Burn Test: Passes.
- D. Fabrication:
 - 1. Mix clean aggregate filler with polyester resin to create a matrix.
 - 2. Add colorants to matrix in a manner to provide veining to mimic appearance of natural marble products.
 - 3. Pour material into molds behind gel coat resin layer.
 - 4. Allow to fully cure to a solid material.
 - 5. Coat finished engineered composite units with protective wax.
 - 6. Provide consistent color throughout depth of material, not just the surface.
- E. Gel Coat Thickness: 18-22 mils average thickness.

Specifier Notes: Specify engineered composite products required for the project.

2.3 BATHROOM VANITIES

- A. Description: 1-piece vanity top with integral bowls and rear backsplash.
- B. Minimum Thickness: 3/4 inch throughout vanity top deck and bowl.
- C. Vanity Tops:

Specifier Notes: Specify vanity top depth and length. Consult Al-Co Products for availability of custom sizes and bowl style options.

- 1. Depth: [19 inches] [22 inches] [22-1/2 inches] [_____inches] [As indicated on the drawings].
- 2. Length: [25 inches] [31 inches] [37 inches] [43 inches] [49 inches] [_____inches] [As indicated on the drawings].

D. Bowls

Specifier Notes: Specify bowl type, style, size, and offset.

- 1. Type: [Single] [Double] [Triple] [_____].
- 2. Style: [Small Oval Bowl] [Large Oval Bowl] [Small Halo Bowl] [Large Halo Bowl] [Canadian Bowl] [Centurion Bowl] [Small Diamond Bowl] [Large Diamond Bowl] [Wave Bowl] [Undermount Rectangle Bowl] [Small Undermount Oval Bowl] [Large Undermount Oval Bowl] [_____].
- 3. Size: _____.
- 4. Offset: [Right] [Left] [Center].
- 5. Faucet Holes: Fit [single] [4-inch] [8-inch] [None] faucet fixtures.
Drill holes for plumbing fixtures in shop.

Specifier Notes: Specify integral or separate backsplashes. Custom vanity depth greater than 22 1/2 inches may require a separate backsplash. Consult Al-Co Products for additional information.

- E. Backsplashes: 4-inch high rear [integral] [separate] backsplash.

Specifier Notes: Specify edge profiles. 3/4-inch Flat "eased" edge is standard.

- F. Edges: [3/4-inch Flat "eased" deck] [3/4-inch "No Drip" edge] [1 1/2"-inch eased edge] [1 1/2-inch Beveled edge] [1 1/2-inch Ogee edge]



1-800-686-2489

485 Second Street • P.O. Box 74
Latty, Ohio 45855

Email: sales69@metalink.net

www.al-coproducts.com

Specifier Notes: Specify color from full range of manufacturer's standard or custom colors. NOTE: Different color families may have different costs. Please consult Al-Co Products Product Guide and color selections chart for complete listings.

G. Color(s): _____.

Specifier Notes: Specify gloss or matte finish.

H. Finish: Uniform [gloss] [matte] finish.

1. ANSI Z 124.3.

2.4 SHOWER BASES

- A. Size: [_____ inches by _____ inches] [As indicated on the drawings].
- B. Thickness: 1 inch minimum.
- C. Color: _____.
- D. Finish: Molded with textured nonslip finish.

2.5 SHOWER THRESHOLDS

- A. Width: [_____ inches] [As indicated on the drawings].
- B. Thickness: 2 inches.
- C. Color: _____.

2.6 SHOWER SEATS

- A. Size: [_____ inches by _____ inches] [As indicated on the drawings].
- B. Thickness: 3/4 inch.
- C. Color: _____.
- D. Finish: Molded with textured nonslip finish.

2.7 TUB AND SHOWER WALL PANELS

- A. Size: [_____ inches by _____ inches] [As indicated on the drawings].
- B. Thickness: [3/8 inch].
- C. Color: _____.
- D. Accessories:
 1. Panel Adhesive: Clear or color-matched 100 percent silicone panel adhesive.
 2. Sealant: Clear or color-matched 100 percent silicone sealant.

2.8 WHIRLPOOL TUB DECKS

- A. Size: [_____ inches by _____ inches] [As indicated on the drawings].
- B. Thickness: [3/8 inch] [3/4 inch].
- C. Edges: [Eased] [_____].
- D. Color: _____.

2.9 FLOORING THRESHOLDS

- A. Width: [4 inches] [5 inches] [6 inches].
- B. Thickness: 3/4 inch.
- C. Color: _____>

2.10 WINDOW SILLS AND TRIM/CASINGS

- A. Size: [_____ inches by _____ inches] [As indicated on the drawings].
- B. Thickness: 3/4 inch.
- C. Color: _____.



1-800-686-2489

485 Second Street • P.O. Box 74
Latty, Ohio 45855

Email: sales69@metalink.net

www.al-coproducts.com

2.11 GAS FIREPLACE HEARTH AND SURROUNDS

- A. Size: [_____ inches by _____ inches] [As indicated on the drawings].
- B. Thickness: _____ inch.
- C. Edges: _____.
- D. Color: _____.

2.12 CABINET APRONS AND SKIRTS

- A. Size: [_____ inches by _____ inches] [As indicated on the drawings]
- B. Thickness: [3/8 inch] [3/4 inch].
- C. Color: _____.

2.13 COUNTERTOPS

- A. Size: [_____ inches by _____ inches] [As indicated on the drawings].
- B. Thickness: _____ inch.
- C. Edges: _____.
- D. Color: _____.

2.14 TABLETOPS

- A. Size: [_____ inches by _____ inches] [As indicated on the drawings].
- B. Thickness: _____ inch.
- C. Edges: _____.
- D. Color: _____.

2.15 BAR TOPS

- A. Size: [_____ inches by _____ inches] [As indicated on the drawings].
- B. Thickness: _____ inch.
- C. Edges: _____.
- D. Color: _____.

2.16 BATHROOM ACCESSORIES

- A. Type: _____.
- B. Color: _____.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine surfaces to receive engineered composite units. Notify Architect if surfaces are not acceptable. Do not begin installation until unacceptable conditions have been corrected.
- B. Examine engineered composite units before installation. Do not install unacceptable units.

3.2 INSTALLATION

- A. Install engineered composite units in accordance with manufacturer's instructions.
- B. Install engineered composite units level, plumb, square, and in proper alignment.
- C. Make field cuts as necessary from unfinished bottom side in accordance with manufacturer's instructions.
- D. Form field joints using manufacturer's recommended adhesive.
- E. Fasten vanity tops to cabinets using 100 percent silicone-based adhesive.
- F. Attach separate backsplashes and side splashes to vanity tops in accordance with manufacturer's instructions.
- G. Do not excessively tighten faucet fixtures or sink drains on bathroom vanities. Hand tighten sink drains in accordance with manufacturer's instructions.



1-800-686-2489

485 Second Street • P.O. Box 74
Latty, Ohio 45855

Email: sales69@metalink.net

www.al-coproducts.com

- H. Do not allow hot water temperature over 140 degrees F to come into contact with engineered composite units.
- I. Repair nicks, scratches, and other minor damages to finish in accordance with manufacturer's instructions and as approved by Architect.
- J. Remove and replace damaged units that cannot be successfully repaired as determined by Architect.

3.3 CLEANING

- A. Clean and polish engineered composite units promptly after installation in accordance with manufacturer's instructions.
- B. Do not use abrasive or harsh cleaning materials or methods that would damage finish.
- C. Protect Finish from damage until job completion using plastic wrap, cardboard or a soft cloth.

3.4 PROTECTION

- A. Protect installed engineered composite units from damage for duration of project.

END OF SECTION

06 61 13 Engineered Composite Fabrications



1-800-686-2489

485 Second Street • P.O. Box 74
Latty, Ohio 45855

Email: sales69@metalink.net

www.al-coproducts.com