

SECTION 12 36 61 - SIMULATED STONE COUNTERTOPS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Solid-surface-material countertops [**and backsplashes**].
 - 2. Quartz agglomerate countertops [**and backsplashes**].
- B. Related Sections:
 - 1. Section 22 33 00 "Plumbing Fixtures and Trim" for [**nonintegral sinks**] [**sinks**] [**and plumbing fittings**].

1.3 ACTION SUBMITTALS

- A. Product Data: For countertop materials[**and sinks**].
- B. LEED Submittals (Projects authorized for LEED certification only):
 - 1. Product Data for Credit MR 4: For products having recycled content, documentation indicating percentages by weight of postconsumer and preconsumer recycled content. Include statement indicating cost for each product having recycled content.
 - 2. Certificates for [**Credit MR 6**] [**Credit MR 7**]: Chain-of-custody certificates indicating that wood products comply with forest certification requirements. Include documentation that manufacturer is certified for chain of custody by an FSC-accredited certification body. Include statement indicating cost for each certified wood product.
 - 3. Product Data for Credit IEQ 4.4: For adhesives and composite wood products, documentation indicating that product contains no urea formaldehyde.
 - 4. Laboratory Test Reports for Credit IEQ 4: For [**adhesives**] [**sealants**] [**and**] [**composite wood and agrifiber products**], documentation indicating that products comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."
- C. Shop Drawings: For countertops. Show materials, finishes, edge and backsplash profiles, methods of joining, and cutouts for plumbing fixtures.
- D. Samples for Initial Selection: For each type of material exposed to view.

- E. Samples for Verification: For the following products:
1. Countertop material, 6 inches (150 mm) square.
 2. Wood trim, 8 inches (200 mm) long.
 3. One full-size cultured marble countertop, with front edge[**and backsplash**], 8 by 10 inches (200 by 250 mm), of construction and in configuration specified.
 4. One full-size solid-surface-material countertop, with front edge[**and backsplash**], 8 by 10 inches (200 by 250 mm), of construction and in configuration specified.
 5. One full-size quartz agglomerate countertop, with front edge[**and backsplash**], 8 by 10 inches (200 by 250 mm), of construction and in configuration specified.

1.4 PROJECT CONDITIONS

- A. Field Measurements: Verify dimensions of countertops by field measurements[**after base cabinets are installed but**] before countertop fabrication is complete.

1.5 COORDINATION

- A. Coordinate locations of utilities that will penetrate countertops or backsplashes.

PART 2 - PRODUCTS

2.1 SOLID-SURFACE-MATERIAL COUNTERTOPS

- A. Countertops: 1/2-inch- (12.7-mm-) thick, solid surface material with front edge built up with same material.
- B. Backsplashes: 3/4-inch- (19-mm-) thick, solid surface material.
- C. Fabrication: Fabricate tops in one piece with shop-applied edges and backsplashes unless otherwise indicated. Comply with solid-surface-material manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.
1. Fabricate with loose backsplashes for field assembly.
 2. Install integral sink bowls in countertops in the shop.

2.2 QUARTZ AGGLOMERATE COUNTERTOPS

- A. Countertops: 3/4-inch- (19-mm-) thick, quartz agglomerate with front edge built up with same material.
- B. Backsplashes: 3/4-inch- (19-mm-) thick, quartz agglomerate.

- C. Fabrication: Fabricate tops in one piece with shop-applied edges unless otherwise indicated. Comply with quartz agglomerate manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.

- 1. Fabricate with loose backsplashes for field assembly.

2.3 COUNTERTOP MATERIALS

- A. Certified Wood Materials: Fabricate countertops with wood and wood-based products produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."

- B. Particleboard: ANSI A208.1, Grade M-2 , made with binder containing no urea formaldehyde.

- C. Adhesives: Adhesives shall not contain urea formaldehyde.

- D. Adhesives: Adhesives shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

- E. Solid Surface Material: Homogeneous solid sheets of filled plastic resin complying with ANSI SS1.

- 1. Basis of Design Product: Subject to compliance with requirements, provide Corian by Dupont, www.dupont.com, or approved equal product.

- 2. Type: Provide Standard Type unless Special Purpose Type is indicated.

- 3. Integral Sink Bowls: Comply with ISSFA-2 and ANSI Z124.3, Type 5 or Type 6, without a precoated finish.

- 4. Colors and Patterns: Match Architect's samples .

- F. Quartz Agglomerate: Solid sheets consisting of quartz aggregates bound together with a matrix of filled plastic resin and complying with the "Physical Characteristics of Materials" Article of ANSI SS1.

- 1. Basis of Design Product: Subject to compliance with requirements, provide Zodiaq by Dupont, www.dupont.com, or comparable product by one of the following :

- a. Caesarstone USA: Caesarstone; www.caesarstoneus.com.

- b. Cosentino USA: Silestone; www.silestoneusa.com.

- c. <Substitutions: See Section 01 25 00 - Substitution Procedures.

- 2. Colors and Patterns: Match Architect's samples .

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install countertops level to a tolerance of **1/8 inch in 8 feet (3 mm in 2.4 m)**.
- B. Fasten countertops by screwing through corner blocks of base units into underside of countertop. Pre-drill holes for screws as recommended by manufacturer. Align adjacent surfaces and, using adhesive in color to match countertop, form seams to comply with manufacturer's written instructions. Carefully dress joints smooth, remove surface scratches, and clean entire surface.
 - 1. Install [**backsplashes**] [**and**] [**endsplashes**] to comply with manufacturer's written instructions for adhesives, sealers, fabrication, and finishing.
 - 2. Seal edges of cutouts in particleboard subtops by saturating with varnish.

END OF SECTION 12 36 61