

SECTION 123661.16 - SOLID SURFACING WINDOW SILLS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Solid surface material window sills.

1.2 ACTION SUBMITTALS

- A. Product Data: For solid surfacing materials.
- B. Shop Drawings: For window sills. Show materials, finishes, edge profiles, and methods of joining.
 - 1. Show locations and details of joints.
 - 2. Show direction of directional pattern, if any.
- C. Samples: For each type of material exposed to view.

1.3 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For fabricator.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For solid surface material to include in maintenance manuals. Include Product Data for care products used or recommended by Installer and names, addresses, and telephone numbers of local sources for products.

1.5 QUALITY ASSURANCE

- A. Fabricator Qualifications: Shop that employs skilled workers who custom-fabricate solid surface materials similar to that required for this Project, and whose products have a record of successful in-service performance.
- B. Installer Qualifications: Fabricator of window sills.
- C. Mockups: Build mockups to demonstrate aesthetic effects and to set quality standards for fabrication and execution.
 - 1. Build mockup of typical window sill as shown on Drawings.
 - 2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.6 FIELD CONDITIONS

- A. Field Measurements: Verify dimensions of window sills by field measurements before solid surface fabrication is complete.

PART 2 - PRODUCTS

2.1 SOLID SURFACE WINDOW SILL MATERIALS

- A. Solid Surface Material: Homogeneous-filled plastic resin complying with ICPA SS-1.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. E. I. du Pont de Nemours and Company; Corian (Basis of Design)
 - b. Avonite Surfaces.
 - c. Wilsonart LLC
 - 2. Type: Provide Standard type unless Special Purpose type is indicated.
 - 3. Colors and Patterns: Equal to Corian; Arctic Ice.

2.2 WINDOW SILL FABRICATION

- A. Fabricate window sills according to solid surface material manufacturer's written instructions and to the AWI/AWMAC/WI's "Architectural Woodwork Standards."
 - 1. Grade: Custom.
- B. Edge Configuration: As indicated on Drawings.
- C. Window Sills: 1/2-inch- thick, solid surface material.
- D. Joints: Fabricate straight window sills, eight feet or less in length, without joints.
- E. Joints: Fabricate window sills, greater than eight feet in length, in sections for joining in field, with joints at locations as approved by Architect.
 - 1. Splined Joints: Accurately cut kerfs in edges at joints for insertion of metal splines to maintain alignment of surfaces at joints. Make width of cuts slightly more than thickness of splines to provide snug fit. Provide at least three splines in each joint.

2.3 INSTALLATION MATERIALS

- A. Adhesive: Product recommended by solid surface material manufacturer.
- B. Sealant: Comply with applicable requirements in Section 079200 "Joint Sealants."

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates to receive solid surface material window sills and conditions under which window sills will be installed, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of window sills.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install window sills level to a tolerance of 1/8 inch in 8 feet, 1/4 inch maximum. Do not exceed 1/64-inch difference between planes of adjacent units.
- B. Secure window sills to substrate with adhesive or full bed of sealant as recommended by solid surface material manufacturer.
- C. Bond joints with adhesive and draw tight as window sills are set. Mask areas of window sills adjacent to joints to prevent adhesive smears.
- D. Apply sealant to gaps at walls; comply with Section 079200 "Joint Sealants."

END OF SECTION 123661.16