

**SECTION 06 20 00
FINISH CARPENTRY**

PART 1 - GENERAL**1.1 DESCRIPTION**

- A. This section specifies any interior millwork.
- B. Items specified.
 - Replacement Window Stools

1.2 RELATED WORK

- A. Sustainable Design: Section 01 81 11
- B. Color and texture of finish: Section 09 06 00, SCHEDULE FOR FINISHES.

1.3 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Shop Drawings:
 - 1. Millwork items - Half full size scale for sections and details 1:50 (1/4-inch) for elevations and plans.
 - 2. Show construction and installation.
- C. Samples:
 - 1. Solid surface material samples (colors, patterns, and finishes) from the Manufacturer's full range for selection/approval by COR.
 - 2. After selection, Solid Surface on MDF, 150 mm by 300 mm (six by twelve inches) of each selected.
- D. Certificates:
 - 1. Indicating moisture content of materials meet the requirements specified.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Protect lumber and millwork from dampness, maintaining moisture content specified both during and after delivery at site.
- B. Store finishing lumber and millwork in weathertight well ventilated structures or in space in existing buildings designated by COR. Store at a minimum temperature of 21⁰C (70⁰F) for not less than 10 days before installation.

1.5 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. American Society of Testing and Materials (ASTM):
 - E84-09.....Surface Burning Characteristics of Building Materials

- C. American Hardboard Association (AHA):
A135.4-04.....Basic Hardboard
- D. National Particleboard Association (NPA):
A208.1-99.....Wood Particleboard
- H. Architectural Woodwork Institute (AWI):
AWI-99.....Architectural Woodwork Quality Standards and
Quality Certification Program
- I. National Electrical Manufacturers Association (NEMA):
LD 3-05.....High-Pressure Decorative Laminates
- L. Federal Specifications (Fed. Spec.):
A-A-1936.....Contact Adhesive
FF-S-111D(1).....Screw, Wood
MM-L-736(C).....Lumber, Hardwood

PART 2 - PRODUCTS

2.1 SOLID SURFACE MATERIAL

- A. Homogenous solid sheets of filled plastic resin complying with material and performance requirements of ANSI Z124.3, for Type 5 or Type 6, without pre-coated finish.
- B. Acceptable products: Acceptable products complying with specified requirements include, but are not limited to the following:
 - 1. "Avonite" by Avonite, Inc., Belen, New Mexico.
 - 2. "Corian" by DuPont Polymers, Wilmington, Delaware.
 - 3. "Surell" by Formica Corporation.
 - 4. "Swanstone" by Swan Corporation.
 - 5. "Gibraltar" by Wilsonart International.
- C. Grade: Custom/premium
- D. Material: Corian or approved equal. 3/4" thick w/ 1 1/2" edge.
- E. Colors, Patterns, and Finishes: Provide selections from manufacturer's full range of colors and finishes.
- F. Fabrication: Fabricate window stools in on piece. Comply with solid surface material manufacturer's written recommendations for adhesives, sealers, fabrication, and finishing. Comply with AWI Section 400 requirements for countertops and AWI Section 300 for window sills.

2.2 MEDIUM-DENSITY FIBERBOARD (MDF)

- A. Quality Standard: Comply with ANSI A208.1
- B. Grade: M-2 Exterior Glue

2.6 ADHESIVE

- B. For Interior Millwork: Unextended urea resin, unextended melamine resin, phenol resin, or resorcinol resin.

2.11 MOISTURE CONTENT

- A. Moisture content of lumber and millwork at time of delivery to site.
 - 1. Interior finish lumber, trim, and millwork 32 mm (1-1/4 inches) or less in nominal thickness: 12 percent on 85 percent of the pieces and 15 percent on the remainder.
 - 2. Moisture content of other materials shall be in accordance with the standards under which the products are produced.

PART 3 - EXECUTION**3.1 ENVIRONMENTAL REQUIREMENTS**

- A. Maintain work areas and storage areas to a minimum temperature of 21⁰C (70⁰F) for not less than 10 days before and during installation of interior millwork.
- B. Do not install finish lumber or millwork in any room or space where wet process systems such as concrete, masonry, or plaster work is not complete and dry.

3.2 INSTALLATION

- A. General:
 - 1. Remove existing damaged marble stool.
 - 2. Patch or repair masonry and other surrounding items as needed for installation of new stool.
 - 3. Install new MDF sub-base to masonry with approved anchorage.
 - 4. Adhere new solid surface material to MDF. No mechanical fasteners.
 - 5. Caulk joint where new stool meets existing wall.

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