

## SECTION 12 36 00

### COUNTERTOPS

#### PART 1 GENERAL No Requirements

#### PART 2 PRODUCTS

##### 2.01 MATERIALS

- A. Composite Wood Products: Products shall be made using ultra-low-emitting formaldehyde resins as defined in the California Air Resources Board's "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products" or shall be made with no added formaldehyde.
- B. Adhesives shall have a VOC content of 70 g/L or less.
- C. Particleboard core for countertops:
  - 1. Reprocessed wood and resin binder mat-formed material, ANSI A161.2 Grade 1-M-2 or better.
  - 2. Edge: Square.
  - 3. Thickness: 1-1/4"
  - 4. Panel size as required to minimize field joints.
- D. Epoxy resin: Required in all HS Science rooms
  - 1. Modified epoxy resin, monolithihic copolymer, fiber reinforced-cement, cast or molded with an eased edge.
  - 2. Color: Integral black.
  - 3. Thickness: 1"
  - 4. Content: Countertops shall contain no asbestos materials.
- E. Plastic laminate:
  - 1. Standard plastic laminate: 0.050" thick general purpose high-pressure laminate plastic surfacing material.
  - 2. Chemical-resistant plastic laminate: 0.040" thick horizontal postforming required in all MS Science rooms, backsplash and sidesplash required at all locations.
  - 3. Scratch-resistant plastic laminate.
  - 4. Finish: Matte textured.
  - 5. Do not specify premium color laminates.
  - 6. A maximum of five plastic laminate colors shall be used per school.
- F. Solid surface:
  - 1. Solid cast plastic resin materials.
  - 2. Thickness: Minimum 1/2"
- G. Cast plastic: Mineral-filled plastic resin conforming to applicable requirements for cultured marble.

##### 2.02 FABRICATION

- A. Cutouts
  - 1. Provide cutouts for equipment, grommets, plumbing and utilities. Inside corners of cutouts shall have 1/8" minimum radius, to avoid stress cracking.

#### PART 3 EXECUTION

##### 3.01 INSTALLATION

- A. Provide sealant at joints between countertops and adjacent materials, and at penetrations in countertops.

- B. Work surfaces without base cabinets shall be supported by continuous blocking in the partition or wall behind the work surface, along with a supporting 45 degree shelf angle screwed into and perpendicular to the wall at a minimum of 30" o.c., or appropriate support legs at outside edge of surface.

**END OF SECTION 12 36 00**