

## SECTION 12 36 00

### COUNTERTOPS

#### PART 1 GENERAL No Requirements

#### PART 2 PRODUCTS

##### 2.01 MATERIALS

- A. 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.
- B. Epoxy resin:
  - 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.
- C. 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.
  - 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.
- D. Solid surface:
  - 1. Solid cast plastic resin materials.
  - 2. Thickness: Minimum 1/2"
- E. 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