

## **SECTION 10171**

# **SOLID SURFACE TOILET PARTITIONS**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. Section includes: Corian® Surfaces from the DuPont company toilet compartments, urinal screens, privacy screens including required fittings, hardware, and accessories.

#### **1.2 REFERENCES**

- A. Americans with Disabilities (ADA) Standards for Accessible Design.
- B. ANSI A117.1 - American National Standard for Buildings and Facilities - Providing Accessibility and Usability for Physically Handicapped People.
- C. ASTM A167 - Stainless and Heat Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- D. ASTM E84 - Surface Burning Characteristics of Building Materials.
- E. UFAS - Uniform Federal Accessibility Standards.

#### **1.3 SUBMITTALS**

Provide in accordance with Section 01330 - Submittal Procedures:

#### **1.4 QUALITY ASSURANCE**

- A. Products and installation shall comply with ANSI A117.1

#### **2.1 ACCEPTABLE MANUFACTURERS/DISTRIBUTORS**

American Building Specialties Corp 800-292-6227

## 2.2 TYPE

- A. Toilet compartments: Floor Supported with Headrail as manufactured & distributed by American Building Specialties Corp.
- B. Maximum Flame spread requirements of 35. Maximum smoke generation of 100 [45 for 1" thickness.]

## 2.3 PANELS

- A. Material: Solid polymer components

- 1. Cast, nonporous, filled polymer, not coated, laminated or of composite construction with through body colors meeting ANSI Z124.3 or ANSI Z124.6, having minimum physical and performance properties specified.
- 2. Superficial damage to a depth of 0.010 inch (0.25 mm) shall be repairable by sanding and/or polishing.

- B. Minimum thickness:

- 1. Panels: [1 inch] [25 mm].
- 2. Doors: [1 inch] [25 mm].
- 3. Pilasters: [1 inch] [25 mm].

- C. Sizes: [As indicated on Drawings.]

- 1. Inswinging door: 24 inches wide by 58 inches high.
- 2. Outswinging door for use by persons with physical handicaps: Width to provide 32 inches clear opening by 58 inches high. Provide 36 inch doors.

## 2.4 FITTINGS

- A. Headrail: Extruded aluminum channel with anti-grip shape, designed to fit over top of pilasters, 1-7/8 by 1-25/32 inches.
- B. Attachment hardware: Stainless steel, one-way vandal proof sex bolts and No. 14 stainless steel metal screws of length recommended by manufacturer.
- C. Connection brackets: Continuous stainless steel brackets at all connections.
- D. Pilaster trim: Minimum 3 inches high 0.031 inch thick stainless steel shoe.

## **2.5 HARDWARE**

- A. Hinges: Standard doors - continuous stainless steel hinge  
Handicap doors - continuous stainless steel hinge
- B. Combination coat hook and rubber bumper and rubber tipped door bumper as needed: Stainless steel
- C. Latch: Surface mounted, stainless steel slide latch that does not require twisting or turning of wrist to operate.
- D. Combination latch keeper and door stop with rubber bumper: Stainless steel
- E. Door pull: Stainless steel. Provide 1 on each side of outswing and handicap doors.

## **2.6 FACTORY FINISHING**

- A. Color: Color selected by Architect from manufacturer's standard range of Class A & B Dupont Corian products. Only colors produced by Corian in 1/2 inch material thickness are usable for 1 inch toilet partitions.

## **PART 3 - EXECUTION**

### **3.1 PREPARATION**

- A. Coordinate requirements for blocking in stud walls to ensure proper support is provided for wall attachments.
- B. Verify that site conditions are ready to receive work and opening dimensions are as indicated on shop drawings.
- C. Verify correct spacing of plumbing fixtures.

### **3.2 INSTALLATION**

- A. Install partitions secure, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain [3/8 to 1 inch] [10 to 25 mm] uniform space between wall and panels and between wall and end pilasters.

- C. Attach continuous panel brackets securely to walls using anchor devices recommended by manufacturer.
- D. Attach panels and pilasters to brackets with manufacturer recommend screws.
- E. Brace pilasters with overhead rail. Locate headrail joints at pilaster center lines.
- F. Anchor pilaster to floor with heavy duty galvanized stainless steel angle plate, sheet metal screws, and anchors. Conceal floor fastenings with pilaster shoes.
- G. Door installation: Hang doors from pilasters. Equip each door with two pivot hinges, door latch, door strike and keeper, and coat hook and bumper. Install door pulls on outswinging doors.

### **3.3 ERECTION TOLERANCES**

- A. Maximum variation from true position: 1/4 inch.
- B. Maximum variation from plumb: 1/8 inch.

### **3.4 ADJUSTING**

- A. Replace significantly damaged, deeply scratched, or broken panels.
- B. Adjust hinges to locate inswinging doors in partial open position and outswinging doors in closed position when unlatched.
- C. Adjust and align hardware to uniform clearance at vertical edge of doors.

### **3.5 CLEANING**

- A. Clean surfaces with liquid spray furniture or counter top polish. Do not use abrasives.

### **END OF SECTION**