

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