

# StonePly™ Stone Toilet Compartments

This section is based on the products of  
StonePly Co.  
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## **SECTION 10 21 13.40**

### **Stone Toilet Compartments**

#### **PART 1 - GENERAL**

##### 1.1 SUMMARY

- A. Section includes: StonePly toilet compartments, urinal screens, privacy screens including required fittings, hardware, and accessories.
- B. Furnish and install supplementary blocking and accessories as shown in drawings for a complete and secure installation.

##### 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 E84 - Surface Burning Characteristics of Building Materials.
- D. UFAS - Uniform Federal Accessibility Standards.
- E. ASTM C 119-04: Terminology Relating to Dimension Stone

##### 1.3 SUBMITTALS

- A. Product Data: Submit product data, specifications and manufacturer's installation instructions.
- B. Shop Drawings: Submit shop drawings for Architect's review and approval prior to fabrication, including pertinent details for installation, showing layout plan, sizes, attachments, supports and adaptation of system to specific project.
- C. Samples: Submit a minimum of one 6" by 6" sample for each stone type selected.
- D. Test Data: Submit a summary of testing conducted verifying partition panel performance characteristics.

##### 1.4 QUALITY ASSURANCE

- A. Source: Provide StonePly partitions which are the products of one manufacturer.

#### 1.5 FIELD MEASUREMENTS

- A. Installer shall verify that field measurements are as indicated on shop drawings. Advise of any changes before fabrication and indicate measurements on Shop Drawings.
- B. Coordination: Coordinate location and quantity of any concealed in wall blocking.

#### 1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials and products in unopened factory labeled packages.
- B. Store products in manufacturer's unopened packaging until ready for installation, in a clean dry area protected from weather, moisture and damage; store units upright and not stacked unless permitted by manufacturer.

### **PART 2 - PRODUCTS**

#### 2.1 ACCEPTABLE MANUFACTURER

- A. Acceptable Manufacturer: StonePly Co., 4400 Oneal St, Greenville, TX 75401  
Tel: (903) 454-0904. Fax: (903)454-3642.  
Email: sales@stoneply.com [www.Stoneply.com](http://www.Stoneply.com)
- B. Substitutions: Not permitted.

#### 2.2 MATERIALS AND PRODUCTS

- A. Varieties and Source:
  - 1. Stone: [**Insert stone variety**] by StonePly Co.
- B. The stone shall match the sample
  - 1. Stone Finish shall be (select one) [polished], [honed], or [custom], [to match the approved sample]. Polished finish is standard.
- C. All reinforced stone partition panels and doors shall have the following properties.
  - 1. Thickness 1" or 1¼" to match standard of design
  - 2. Facing: ¼" thickness of natural granite, marble or limestone as selected
  - 3. All exposed edges of panel shall be natural stone
  - 4. Reinforcing: ½" or ¾" aluminum honeycomb composite bonded with high strength epoxy.
  - 5. Average Weight: 4.5 lbs. per sq. ft.
  - 6. Dimensional Tolerance: Plus or minus 1/8" (3.2mm) in all directions. Plus or minus 1/8" (3.2mm) diagonally.

#### 2.3 PERFORMANCE REQUIREMENTS

- A. The stone panel's performance shall meet or exceed the following properties.
- B. Acid-Freeze-Thaw: Loss in flexural strength shall not exceed 20% after 100 freeze thaw cycles + 170F to -10F immersed in dilute sulfuric acid.

- C. Large Missile Impact test: Missile impact panel with a solid wood stud, nominal 2 x 4, #2 surface dry, Southern Pine of not less than 8'-6'. in length and 9 lbs. in weight at a velocity between 50 and 52 ft./sec. without defined specimen failure.
- D. Tension Bond Capacity: Shall exceed the tensile strength of the stone selected or 320 psi following accelerated aging by rapid freeze thaw temperature cycling from -20 degrees F to +130 degrees F.
- E. Flame Spread ASTM E-84 : 0 Maximum smoke development: 5. Maximum fuel contribution: 0

## 2.4 ACCESSORIES

- A. Brackets: Stirrup Type: U-brackets,
  - 1. [Chrome-plated, nonferrous, cast zinc alloy]
  - 2. [Clear anodized aluminum]
  - 3. [Stainless steel]
  - 4. [Chrome-plated brass].
- B. Hardware and Accessories: Manufacturer's standard design hardware and accessories.
  - 1. [Chrome-plated, nonferrous, cast zinc alloy]
  - 2. [Clear anodized aluminum]
  - 3. [Stainless steel]
  - 4. [Chrome-plated brass].
- C. Fasteners: Manufacturer's exposed fasteners of stainless steel or chrome-plated steel or brass, finished to match hardware.
  - 1. Provide theft-resistant-type heads.
  - 2. Provide through-bolt applications.

## 2.5 DOORS:

- A. Provide **24-inch-** wide in-swinging StonePly doors for standard toilet compartments
- B. Provide **36-inch-** wide out-swinging StonePly doors with a minimum **32-inch-** wide clear opening for toilet compartments indicated to be ADA accessible.
- C. Hardware:
  - 1. Hinges: Self-closing type, adjustable to hold doors open at angle up to 90 degrees.
  - 2. Latch and Keeper: Latch unit designed for emergency access with door strike and keeper.
  - 3. Coat Hook: Combination hook and rubber-tipped bumper, sized to prevent door from hitting compartment-mounted accessories.
  - 4. Door Bumper: Rubber-tipped bumper at out-swinging doors.
  - 5. Door Pull: Door pulls complying with accessibility requirements at out-swinging doors. Provide units on both sides of doors at accessible compartments.

## PART 3 – EXECUTION

### 3.1 PREPARATION

- A. Verify that site conditions are ready to receive work and opening dimensions are as indicated on shop drawings.

- B. Verify correct spacing of plumbing fixtures.

### 3.2 INSTALLATION

- A. Install in accordance with applicable code and manufacturer's recommendations, secure, plumb and true to line.
- B. Attach panels and pilasters to brackets with tamper-resistant thru-bolted screws.
- C. All panels shall be installed in proper alignment in accordance with the approved Shop Drawings.

### 3.3 ADJUSTMENT

- A. Adjust doors to work smoothly and correctly.
- B. Adjust and align hardware to uniform clearance at vertical edge of doors.
- C. Adjust hinges to locate in swing doors in partial open position and out swing doors in closed position when unlatched.

### 3.4 CLEANING

- A. Clean all dirt and marks from stone partition panels using water or a stone cleaner appropriate for the type of stone and per manufacturer's recommendations.

END OF SECTION