

# Bradmar® Overhead Braced Restroom Partitions

## Series 400 – Solid Plastic



### Bradmar® Overhead Braced – Series 400

Most popular style, attached to floor and supported by headrail. Headrail mounts to the top of the pilaster and attaches to walls. Recommended for heavy traffic or vandalism prone areas. Does not require any special floor or ceiling construction.

### Construction

1" thick door panels and panels are constructed from High Density Polyethylene (HPDE) resins. Partitions are fabricated from polymer resins pressed under high pressure to form a single component which is waterproof, non-absorbent and has a self-lubricating surface which resists marks from pens, pencils, markers and other writing instruments. All plastic components are shipped with a self-adhesive coating for protection during installation. Doors and panels are fabricated 55" high and all edges rounded to a 1/4" radius. Doors and panels receive a heat sink fastened to the bottom edge.

### Pilasters

Pilasters are 1" thick and 82" high and are fabricated from the same material as doors and panels. Pilasters are mounted within a one-piece plastic shoe using a vandal-resistant stainless steel fastener. 3" high stainless steel shoe available as an option.

### Wall Brackets

Continuous wall brackets are fabricated of plastic, and are 54" long, single- or double-ear style. Brackets are supplied for panel-to-wall and pilaster-to-panel attachments using vandal-resistant stainless steel fasteners. Stirrup style or continuous aluminum brackets available as an option.

### Headrail

Headrail is heavy-duty extruded aluminum with bright dip anodized finish. Headrail is supplied for overhead bracing of pilasters and is fastened to both pilasters and headrail brackets with vandal-resistant stainless steel fasteners.

The Mills Company reserves the right to make changes in design, material, and documentation without formal notice and without incurring obligation.

Verify all rough-in dimensions prior to installation.

Consult local and national codes: conformity and compliance to local and national codes is the responsibility of the installer.

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### Door Hardware

Integral hinges are fabricated from the door and the pilaster with no exposed metal parts. Hinge mechanism is integrated into the door and pilaster as a 1/2" diameter nylon gravity cam unit with a 3/16" stainless steel center pin (bottom) and a 1/2" nylon rod (top). Note: Pilaster must be a minimum of 5" wide for integral hinge. Aluminum wraparound hinges available as an option.

Strike and keeper is 6" long and is fabricated from heavy-duty extruded aluminum (6463-T-5 alloy) with bright-dip anodized finish and wraparound flanges. Strike and keeper is mounted to the pilaster with stainless steel, tamper-resistant bolts. The bumper is made of flexible vinyl.

Coat hooks and bumpers are provided in a chromed-plated alloy. For handicap outswing doors, a door pull and stop will be provided.

### Options

#### Partition Colors

- |   |  |
|---|--|
| <input type="checkbox"/> S200 Grey              | <input type="checkbox"/> S211 Burgundy     |
| <input type="checkbox"/> S201 White             | <input type="checkbox"/> S220 Beige-Swirl  |
| <input type="checkbox"/> S202 Beige             | <input type="checkbox"/> S221 Grey-Swirl   |
| <input type="checkbox"/> S203 Deep Blue         | <input type="checkbox"/> S400 Dove-Stone   |
| <input type="checkbox"/> S204 Black Speckle     | <input type="checkbox"/> S401 Ivy-Stone    |
| <input type="checkbox"/> S205 Black             | <input type="checkbox"/> S402 Blue-Stone   |
| <input type="checkbox"/> S206 Chocolate Brown ① | <input type="checkbox"/> S403 Red-Stone    |
| <input type="checkbox"/> S207 Sky Blue          | <input type="checkbox"/> S404 Plum Stone   |
| <input type="checkbox"/> S208 Misty Green ①     | <input type="checkbox"/> S405 Terra-Stone  |
| <input type="checkbox"/> S209 Mauve ①           | <input type="checkbox"/> S406 Desert-Stone |
| <input type="checkbox"/> S210 Teal              |  |

#### Wall Brackets

- |  |   |
|--|---|
| <input type="checkbox"/> Continuous-Plastic (standard) | <input type="checkbox"/> Stirrup Style-Aluminum |
| <input type="checkbox"/> Continuous-Aluminum           |   |

#### Door Hinges

- |  |   |
|--|---|
| <input type="checkbox"/> Integral (standard) | <input type="checkbox"/> 8" Aluminum Wraparound |
|--|---|

#### Shoes

- |   |  |
|---|--|
| <input type="checkbox"/> Plastic (standard) | <input type="checkbox"/> Stainless Steel |
|---|--|

#### Plastic Wall Brackets/Shoe Colors

- |  |   |
|--|---|
| <input type="checkbox"/> Grey              | <input type="checkbox"/> Teal           |
| <input type="checkbox"/> White             | <input type="checkbox"/> Dove Stone ②   |
| <input type="checkbox"/> Beige             | <input type="checkbox"/> Ivy Stone ②    |
| <input type="checkbox"/> Deep Blue         | <input type="checkbox"/> Terra-Stone ②  |
| <input type="checkbox"/> Black             | <input type="checkbox"/> Desert-Stone ② |
| <input type="checkbox"/> Chocolate Brown ① |   |

① Discontinued colors

② "H" Brackets in anodized aluminum only

**Mills**

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## Specifications

### Sentinel Series 400 – Solid Plastic

#### Architectural Specifications

##### Part 1 – General

###### 1.1 Summary

This section includes:

- A. Solid plastic toilet partitions consisting of partitions, urinal screens, shower stalls and dressing compartments.
- B. Hardware and structural accessories.

###### 1.2 Related Sections

- A. Section 10800: Toilet and Bath Accessories

###### 1.3 Submittals

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's catalog cuts of typical panel, pilaster, door, hardware and fastenings.
- C. Shop Drawings: Show layout of toilet compartments.
- D. Selection Samples: Manufacturer's range of standard colors for Bradmar® Products
- E. Verification Samples: Sample of specified plastic actual chip for color and texture verification.

###### 1.4 Quality Assurance

- A. Obtain all components of toilet compartments from one single source manufacturer who certifies that materials meet or exceed specifications.
- B. Installer Qualifications: Installer shall have a history of completed jobs of similar size and scope, and shall be qualified.

###### 1.5 Delivery, Storage and Handling

- A. Deliver pre-finished materials to the project site in original, unopened cartons or other packaging materials necessary to protect structure and finishes.
  - 1. Label packages clearly with manufacturer's name and item description.
  - 2. Store materials in such packaging until installation.

###### 1.6 Project Conditions

- A. Building shall be enclosed and provide complete protection from outside weather. Temperature within building shall be above a minimum of 60°F.

###### 1.7 Warranty

- A. Provide manufacturer's 15 year warranty against corrosion, breakage and delamination of panels under normal conditions.

##### Part 2 – Products

###### 2.1 Manufacturer

- A. Provide products manufactured by The Mills Company, subsidiary of Bradley Corp., Menomonee Falls, WI.

###### 2.2 Equipment

- A. Sentinel Overhead Braced Series 400 Solid Plastic toilet partition system.

###### 2.3 Components

- A. Doors, Panels and Pilasters: Shall be constructed from High Density Polyethylene (HPDE) resins. Partitions shall be fabricated from polymer resins compounded under high pressure, forming a single component which is waterproof, non-absorbent and has a self-lubricating surface that resists marks from pens, pencils, markers and other writing instruments. All plastic components shall be covered with a protective plastic masking.
  - 1. Door, panel and pilaster shall be 1" thick and have edges rounded to a 1/4" radius.

- B. Doors and Dividing Panels shall be 55" high and mounted at 14" above the finished floor. An aluminum heat sink shall be fastened to the bottom edge of doors.
- C. Series 400 Bradmar® overhead braced pilasters shall be 1" thick and 82" high and shall be supported with a one-piece pilaster shoe anchored to the floor with stainless steel fasteners. Continuous single- or double-ear wall brackets to be supplied for attachment of pilasters to panels. Aluminum headrail with a bright-dip anodized finish shall be supplied for overhead attachment of pilasters to walls. Stainless steel vandal-resistant fasteners shall be supplied for all connections.
- D. Urinal screens: Same construction as panels; minimum 1" thick.
  - 1. Wall Hung: Attach to wall with continuous plastic double-ear wall bracket.
- E. Hardware: Compartments shall be provided with all door hardware and fastenings to provide a completed installation.
  - 1. Hinges: Integral hinge system to be supplied with pilasters shall be fabricated to provide recess for door. No exposed metal parts shall be used. A 1/2" diameter nylon pin shall be provided for connecting top of door to pilaster. A 1/2" diameter nylon gravity cam unit with a 3/16" stainless steel center pin shall be provided for attaching bottom of door to pilaster.
  - 2. Latches: Latches are fabricated from heavy-duty extruded aluminum (6463-T5 alloy). Latch housing has a bright-dip anodized finish. Slide bolt has a black anodized finish. Latch is mounted to the door with stainless steel tamper-resistant bolts.
  - 3. Strike and Keeper: Strike and keeper is 6" long and is fabricated from heavy-duty extruded aluminum (6463-T5 alloy) with bright-dip anodized finish and wraparound flanges. Strike and keeper is mounted to the pilaster with stainless steel, tamper-resistant bolts. The bumper is made of flexible vinyl.
  - 4. Coat Hooks and Wall Bumpers: Each door shall be supplied with one coat bumper/hook made of chrome-plated alloy. Outswinging doors shall be supplied with one door pull and one door stop made of chrome-plated zamak.
- F. Brackets:
  - 1. Wall Brackets shall be 54" long and made of extruded PVC plastic or anodized aluminum. Brackets shall be fastened to pilasters and panels with stainless steel sex bolts. Brackets are to be either single- or double-ear style

##### Part 3 – Execution

###### 3.1 Examination

- A. Before installation, examine the site to ensure that no defects or conditions exist which would result in an unsatisfactory installation of the compartments.
- B. Take field measurements at this time to ensure correct installation.

###### 3.2 Installation

- A. Install compartments in accordance with shop drawings and manufacturer's current installation instructions.
- B. Install panel or locate outswinging doors to prevent their opening more than 105°.
- C. Leave compartments complete, clean and free from defects in workmanship.
- D. Thoroughly adjust and lubricate doors and hardware for proper working condition. Set doors in open or close condition as indicated on drawings.

###### 3.3 Cleaning

- A. Remove all rubbish generated by installer and leave the area broom clean.

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