

This is the most popular style of partitions. It is attached to the floor and stabilized at the top of the pilaster with anti-grip headrail. Floor-mounted overhead-braced material is recommended for heavy traffic or vandalism-prone areas. It does not require any special floor or ceiling construction which makes it suitable for new or existing construction.

Construction

Doors, panels and pilasters are constructed from 1" thick High Density Polyethylene (HDPE) resins pressed under high-pressure to form a single component. This material is waterproof, non-absorbent and has a self-lubricating surface which resists marks from graffiti. All plastic components are shipped with a self-adhesive coating for protection during installation. Bradmar® is available in 21 standard colors.

Panels and Doors

Panels and doors are fabricated 55" high, all edges are rounded to a 3/16" radius. Panels and doors receive an aluminum heat sink strip fastened to the bottom edge which helps dissipate any applied heat. Each door is pre-drilled to receive an integral hinge assembly. The closing position of each hinge is fully adjustable.

Pilasters and Shoes

The floor edge of the pilaster shall be provided with a 5/16" zinc-plated lag screw for leveling. Pilasters are secured to the floor using a 3" high, one-piece, type 304 stainless steel shoe with a #4 stain brushed finish. Plastic shoes available for select colors.

Hardware

Mills standard hardware is constructed from 6463-T-5 heavy-duty aluminum. Compartments are provided with all hardware and stainless steel torx head w/ pin fasteners to complete installation for applications with concrete floors and masonry block walls.

Door Hardware

Standard integral hinge system consisting of a 1/2" diameter nylon gravity cam unit with a 3/16" stainless steel center pin (bottom) and a 1/2" nylon rod (top). Strike/keeper is 6" long and is fabricated from heavy-duty extruded aluminum (6463-T-5 alloy) with wraparound flanges. Strike/keeper is mounted to the pilaster with thru-bolts.

Coat hooks, door bumpers and door pulls are provided in a Zamac alloy with satin finish. Integral hinge doors 32"-36" wide are supplied with an individual coat hook, door bumper and door pull. Theft-resistant fasteners are supplied with all hardware.

Brackets

Continuous brackets are fabricated from heavy-duty aluminum, are 54" long and are available in single- or double-ear style. Plastic brackets available for select colors.

Headrail

Etched and anodized aluminum headrail is extruded with an anti-grip profile. It clamps over the pilaster and is secured at the wall with stainless steel brackets.



Options

Partition Colors

- | | |
|--------------------------------------------|--------------------------------------------------------|
| <input type="checkbox"/> Beige | <input type="checkbox"/> Linen* |
| <input type="checkbox"/> Black* | <input type="checkbox"/> Moss |
| <input type="checkbox"/> Bronze* | <input type="checkbox"/> Plum* |
| <input type="checkbox"/> Burgundy | <input type="checkbox"/> Sky Blue* |
| <input type="checkbox"/> Buttermilk | <input type="checkbox"/> Spice* |
| <input type="checkbox"/> Canyon Granite* | <input type="checkbox"/> Stardust Gray*** |
| <input type="checkbox"/> Caribbean Sage*** | <input type="checkbox"/> Starry Night |
| <input type="checkbox"/> Charcoal Gray | <input type="checkbox"/> Toffee |
| <input type="checkbox"/> Deep Blue | <input type="checkbox"/> 100% Post-Consumer Beige** |
| <input type="checkbox"/> Desert Stone | <input type="checkbox"/> 100% Post-Consumer Charcoal** |
| <input type="checkbox"/> Dove Stone | <input type="checkbox"/> 100% Post-Consumer Moss** |
| <input type="checkbox"/> Gray | <input type="checkbox"/> 100% Post-Consumer Toffee** |
| <input type="checkbox"/> Hunter* | <input type="checkbox"/> 100% Post-Industrial Black* |

Hinges

- | | |
|-------------------------------------------------------------------------|-------------------------------------------------|
| <input type="checkbox"/> Integral (STD) | <input type="checkbox"/> 8" Aluminum Wraparound |
| <input type="checkbox"/> Continuous Aluminum Spring Loaded Hinge | |
| <input type="checkbox"/> Continuous Stainless Steel Spring Loaded Hinge | |

Door Hardware

- | | |
|-----------------------------------------|------------------------------------------|
| <input type="checkbox"/> Aluminum (STD) | <input type="checkbox"/> Stainless Steel |
|-----------------------------------------|------------------------------------------|

Wall Brackets

- | | |
|------------------------------------------------------|-------------------------------------------------------|
| <input type="checkbox"/> Continuous – Aluminum (STD) | <input type="checkbox"/> Continuous – Stainless Steel |
| <input type="checkbox"/> Stirrup Style – Aluminum | <input type="checkbox"/> Continuous – Plastic |

Miscellaneous

- Cutouts

* Plastic brackets and shoes available for select colors.

** 100% Post-Consumer HDPE may have some minor flaws and the color may be inconsistent.

*** Translucent material is generally susceptible to color variations and inconsistencies.

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.

Sample Specification**Part 1 – General**

1.1 Summary

This section includes:

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

1.2 Related Sections

- A. Section 10800: Toilet and Bath Accessories

1.3 Submittals

- A. Shop Drawings: Layout of toilet partitions.
- B. Product Data: Manufacturer's catalog cuts of typical panel, pilaster, door, hardware and fastenings.
- C. Color Chips: Manufacturer's complete range of standard colors for Bradmar® Solid Plastic.
- D. Verification Samples: Sample of actual specified plastic chip for color and texture verification.

1.4 Quality Assurance

- A. Components of toilet partitions shall be sourced from one single-source manufacturer who certifies that materials meet or exceed specifications.
- B. Installation: Installer shall have a history of completed jobs of similar size and scope and shall be qualified.

1.5 Delivery, Storage and Handling

- A. Pre-finished materials shall be delivered to the job site in original, unopened cartons or other packaging materials necessary to protect structure and finishes. Materials shall be stored in manufacturer's packaging until installation. Partitions shall be stored in horizontal position with adequate support to ensure flatness and to prevent damage to pre-finished surfaces.

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 and below 100°F.

1.7 Warranty

- A. Manufacturer shall provide a 15-year warranty against corrosion, breakage and delamination of plastic material 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™ Floor-Mounted Overhead-Braced Series 400 toilet partition system.

2.3 Components

- A. Doors, Panels and Pilasters shall be constructed from High Density Polyethylene (HDPE) resins, pressed under high-pressure, forming a single component. The material shall be waterproof, non-absorbent and have a self-lubricating surface that resists marks from graffiti. All plastic components shall be covered with a protective self-adhesive coating.
 1. Door, panel and pilaster shall be 1" thick and have edges rounded to a 3/16" radius.

2. Doors and panels shall be 55" high and mounted at 14" above the finished floor. An aluminum heat sink strip shall be fastened to the bottom edge of doors and panels.
 3. Pilasters shall be 82" high and shall be secured to the floor using a 3" high, one-piece, type 304 stainless steel shoe with a #4 satin brushed finish. Headrail of etched and anodized aluminum shall be extruded with "anti-grip" profile clamps over pilasters and shall be secured to the wall with stainless steel brackets.
 4. Urinal screens shall have the same construction as doors, panels and pilasters. Urinal screens shall be 42" high and mounted at 18" above the finished floor.
- B. Hardware: Mills heavy-duty aluminum hardware and stainless steel fasteners necessary to complete an installation shall be provided.
 1. Integral hinge system shall consist of 1/2" diameter nylon gravity cam unit with a 3/16" stainless steel center pin for the bottom and a 1/2" nylon rod for the top. The closing position of each hinge shall be fully adjustable.
 2. Latches shall be fabricated from heavy-duty extruded aluminum (6463-T-5 alloy). Slide bolt shall have a black anodized finish. Latch is mounted to the door with stainless steel theft-resistant bolts.
 3. Strike/keeper shall be 6" long and fabricated from heavy-duty extruded aluminum (6463-T-5 alloy) with wraparound flanges. Strike/keeper shall be mounted to the pilaster with thru-bolts.
 4. Coat hooks, door bumpers, and door pulls shall be provided in a Zamac alloy with a satin finish. Integral hinge doors 32"-36" wide shall be supplied with an individual coat hook, door bumper and door pull.
 5. Continuous brackets shall be 54" long and shall be fabricated from heavy-duty aluminum (6463-T-5 alloy). Single- or double-ear brackets shall be provided at appropriate locations.
 6. All fasteners shall be stainless steel torx head with pin.

Part 3 – Execution

3.1 Inspection

- A. Before installation, the installer shall inspect the site to ensure that no defects or conditions exist which would result in an unsatisfactory installation of the partitions. Measurements should also be taken at this time to further ensure correct installation.

3.2 Installation

- A. Install partitions, screens, dressing compartments and enclosures in accordance with shop drawings and manufacturer's current installation instructions. Leave compartments complete, clean and free from defects in workmanship.
- B. Install panel or locate outswinging doors to prevent their opening more than 105°.
- C. Doors and hardware shall be thoroughly adjusted and left in proper working condition. Set doors in open or close position as required.

3.3 Cleaning

- A. All rubbish and cartons generated by installer shall be removed and the area left broom clean.

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.