SPECIFICATIONS
Toilet Partition Specification Locations
CSI Division 10 - Specialties

10 _ _ _ = Level 1 of Masterformat includes the familiar 16 divisions.

101 _ _ = Level 2 identifies broad categories of products and applications.

10150 = Level 3 codes provide classifications numbers and titles that identify products by more specific characteristics and applications.

10150 Compartments and Cubicles
10160 Metal Toilet Compartments
10165 Plastic Laminate Toilet Compartments
10170 Plastic Toilet Compartments

10172 ShowerShapes® Privacy Partitions

10173 ShowerShapes® Privacy Partitions

10175 Particleboard Toilet Compartments
10180 Stone Toilet Compartments
10185 Shower and Dressing Compartments
10190 Cubicles
SECTION 10172  
SOLID POLYMER TOILET PARTITIONS

I. GENERAL

1.01 DESCRIPTION
A. Work described in this section:
   1. Toilet partitions (Floor mounted)(Floor-to-ceiling mounted)(Ceiling mounted)
   2. Wall mounted urinal screens
B. Related work specified elsewhere:
   1. Tile work
   2. Wall coverings
   3. Plumbing

1.02 REFERENCES
A. Applicable Standards: Standards of the following, as referenced herein:
   1. American National Standards Institute (ANSI)
   3. Federal Specifications (FS)

1.03 SUBMITTALS
A. Shop drawings: Indicate dimensions, component sizes, fabrication details, attachment provisions and coordination requirements with adjacent work.
B. Samples: Submit minimum 2" x 2" (50mm x 50mm) samples. Indicate full range of color and pattern variation. Approved samples will be retained as standards for work.
C. Product data: Indicate product description, fabrication information and compliance with specified performance requirements.
D. Maintenance data: Submit manufacturer's care and maintenance data, including repair and cleaning instructions. Include in project close-out documents.

1.04 QUALITY ASSURANCE
A. Allowable tolerances:
   1. Variation in component size ± 1/8” (3mm).
   2. Location of accessories in accordance with approved shop drawings.
1.05 DELIVERY, STORAGE AND HANDLING
A. Package materials to prevent damage to components during shipment.
B. Deliver no components to project site until areas are ready for installation. Store components indoors prior to installation. Handle to prevent damage to finished surfaces.

1.06 WARRANTY
A. Provide manufacturer’s 3 year warranty against defects in fabricated products. Warranty shall provide replacement of product only. Labor to replace defective products is not included. Damage caused by physical or chemical abuse will not be warranted.

II. PRODUCTS

2.01 PARTITION AND SCREEN FABRICATIONS
A. Specified product: ShowerShapes® Privacy Partitions (Level 1)(Level 2)(Level 3)
B. Panel Material (Level 2)(Level 3): Homogeneous filled acrylic; not coated, laminated or of composite construction; meeting ANSI Z124.3 & 6, Type Six, and Fed. Spec. WW-P-541E/GEN.
   1. Material shall have minimum physical and performance properties specified in the chart following Section 3.01.E.
   2. Superficial damage to a depth of 0.010” (25mm); shall be repairable by sanding.
   3. Material shall be ½” (13mm) thick. CORIAN® color ____________________.
C. Panel Material (Level 1): High pressure decorative laminate; GP50 (White)(Gray); adhered to ½” (13mm) high-density fiberboard.
D. Pilaster Material: Homogeneous filled acrylic; not coated, laminated or of composite construction; meeting ANSI Z124.3 & 6, Type Six, and Fed. Spec. WW-P-541E/GEN.
   1. Material shall have minimum physical and performance properties specified in the chart following Section 3.02.D.
   2. Superficial damage to a depth of 0.010” (25mm); shall be repairable by sanding.
   3. Material shall be 1” (25mm) thick. CORIAN® color ____________________.
E. Urinal Screen Material: Homogeneous filled acrylic; not coated, laminated or of composite construction, meeting ANSI Z124.3 & 6, Type Six, and Fed. Spec. WW-P-541E/GEN.
   1. Material shall have minimum physical and performance properties specified in the chart following Section 3.02.D.
   2. Superficial damage to a depth of 0.010” (25mm); shall be repairable by sanding.
   3. Material shall be 1” (25mm) thick. CORIAN® color ____________________.
F. Pilaster Attachment: Overhead bracing not required; (attach at floor only)(attach at floor and ceiling)(attach at ceiling only); shall be milled steel; coated with a rust inhibitor paint; integrally mounted; concealed with a homogeneous filled acrylic pilaster foot cover.
G. Urinal Screen Attachment: Attached at wall (only)(and with floor-mounted pilaster)(and with floor-to-ceiling mounted pilaster)(and with ceiling mounted pilaster).
2.02 ACCESSORY PRODUCTS
A. Joint Adhesive: Manufacturer’s standard two-part adhesive kit to create inconspicuous, non-porous joints, with a chemical bond.
B. Coat hooks shall be homogeneous filled acrylic; surface mounted.
C. [Toilet paper holder shall be homogeneous filled acrylic; (double roll)(single roll)].
D. Grab Bar Mounting Plate: Shall be homogeneous filled acrylic; with recessed back; with “T” nuts and screws. One furnished for each mounting location to a divider panel.
E. Silicone: Shall be furnished in accordance with requirements for installation of trim components and accessories.
F. Handicap Door Pull: Shall be homogeneous filled acrylic.
G. Location of accessories as noted on drawings. Mounting holes shall be provided by installing contractor.

2.03 FABRICATION
A. All pre-fabricated components shall be supplied by manufacturer.
B. Components shall be fabricated to greatest extent practical to sizes and shapes indicated, in accordance with approved shop drawings and manufacturer’s requirements.
C. Joints shall be formed using manufacturer’s standard joint adhesive. Joints shall be inconspicuous in appearance and without voids.
D. Component edges shall have a smooth, uniform finish. Defective work shall be repaired or replaced.
E. Finish: (Matte)(Semi-gloss)(High gloss)

2.04 HARDWARE
A. Mounting Hardware: (Level 3 stainless steel type 304; full length channel; integrally mounted; attached to divider panel; concealed with decorative trim.) [(Level 1)(Level 2) clear anodized; full length aluminum angle bracket; surface mounted; attached with tamper-resistant bolts].
B. Hinges: Shall be stainless steel type 304; integrally mounted and concealed; self-closing; pivot-pin type; matte finish. (Open-position bushings shall hold door open.) [(Level 1)(Level 2) shall consist of two hinges.](Level 3 shall consist of three hinges.)
C. Door Latch: Shall be stainless steel type 304; 360° pivot; ADA compatible; surface mounted.
D. Latch Keeper: Shall be stainless steel type 304; surface mounted.
E. Door Stop/Bumper: Shall be stainless steel type 304; with rubber bumpers to prevent damage to panel and pilaster; integrally mounted.
III. EXECUTION

3.01 INSTALLATION

A. After accepting components, installer assumes responsibility for damage occurring during installation. Installer shall install components plumb and level, in accordance with approved shop drawings and manufacturer's recommended installation instructions.

B. All accessories including trim, coat hooks, grab bar mounting plates, pilaster foot covers and handicap door pulls shall be installed using manufacturer's recommended adhesives.

C. Components shall be clean and defect free on Date of Substantial Completion.

D. Components damaged after Completion/Acceptance can be repaired or replaced if repair cannot be completed to architect's satisfaction. Repair cost will be borne by the Party causing the damage. Architect to approve cost estimate before repairs or replacements are made.

E. Care, maintenance and warranty information shall be provided by manufacturer to the Project manager for review with the head of maintenance upon completion of project.
**PERFORMANCE REQUIREMENTS:**

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>REQUIREMENT (min/max)</th>
<th>TEST PROCEDURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>5000 psi min</td>
<td>ASTM D 638</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>7000 psi min</td>
<td>ASTM D 790</td>
</tr>
<tr>
<td>Hardness</td>
<td>90 Rockwell &quot;M&quot; Scale min</td>
<td>ASTM D 785</td>
</tr>
<tr>
<td></td>
<td>52 Barcol Impresors min</td>
<td></td>
</tr>
<tr>
<td>Color Stability</td>
<td>No Change - 200 hrs min</td>
<td>NEMA LD 3-3.10</td>
</tr>
<tr>
<td>Wear and Cleanability</td>
<td>Passes</td>
<td>ANSI Z 124.3</td>
</tr>
<tr>
<td>Abrasion Resistance</td>
<td>No loss of pattern</td>
<td>NEMA LD 3-3.10</td>
</tr>
<tr>
<td></td>
<td>Wt loss (1,000 cycles)=0.9 gm max</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wear (10,000 cycles)=.008&quot; max</td>
<td></td>
</tr>
<tr>
<td>Impact Resistance</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Notched Izod</td>
<td>.24 ft. lbs/in. of notch min</td>
<td>ASTM D 256 (MethodA)</td>
</tr>
<tr>
<td>Gardner</td>
<td>9.0 ft. lbs min</td>
<td>ASTM D 3029</td>
</tr>
<tr>
<td>Ball Drop</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/2&quot; (13mm) sheet</td>
<td>&gt;144&quot; w 1/2 lb ball, no failure</td>
<td>NEMA LD 3-3.03</td>
</tr>
<tr>
<td>Stain Resistance</td>
<td>Passes</td>
<td>ANSI Z 124.3</td>
</tr>
<tr>
<td>Fungi and Bacteria</td>
<td>No Attack</td>
<td>ASTM G 21,G 22</td>
</tr>
<tr>
<td>Flammability</td>
<td>1/4&quot; (6mm) 1/2&quot; (13mm) 3/4&quot; (19mm)</td>
<td>ASTM E84</td>
</tr>
<tr>
<td>Flame Spread</td>
<td>25 Max  25 Max  25 Max</td>
<td></td>
</tr>
<tr>
<td>Smoke Developed</td>
<td>30 Max  30 Max  30 Max</td>
<td></td>
</tr>
<tr>
<td>Class Rating</td>
<td>1 1 1</td>
<td></td>
</tr>
<tr>
<td>Pittsburgh Protocol Toxicity</td>
<td>solid colors 80 grams min</td>
<td>&quot;LG 50&quot; Test</td>
</tr>
<tr>
<td>(as used by NY State)</td>
<td>particulate colors 65 gms min</td>
<td></td>
</tr>
</tbody>
</table>

**END SECTION**

10172-Solid Polymer Toilet Partitions - 5
DuPont Corian® is a surfacing material that was originally designed to have one finished side. ShowerShapes® Privacy Partitions utilize both sides of the material. This creates some minor concerns that need to be understood by all parties. The "finished side" of the material, as supplied by DuPont, will always face into the main bathroom area. This insures a uniform appearance to the exterior of the partition. The inside of the partition will have the "back side" of the sheet exposed. The "back side" of the sheet is finished by ShowerShapes® before the partition is assembled. Some manufacturing defects cannot always be completely removed. There may be some small pitting in the face of the sheet. These pits are usually difficult to see and cannot be felt. In the Sierra color range there also may be a faint horizontal line where the particulate in the pattern is not as dense as normal. This creates a shadow line that is not the same color as the background of the material. We at ShowerShapes® do everything possible to eliminate the pits and lines, but they cannot always be removed. The photo below shows a Sierra Sandstone panel with the type of lines that we feel are acceptable. Please remember these "imperfections" will only show inside the stall where there are accessories mounted on the panel and lighting is typically not as bright as in the main restroom. If you would like further information on this subject, please contact us.
Select Type and Sign ______
If Tile Wainscoat give Height

ShowerShapes
Date: 6/6/95
Drawn By: J. A. Garver
Title: Tile Wall Options Scale: None
Appropriate Fastener

Wall Channel

1/2" CHANNEL CONNECTIO

1/2"

CHANNEL TO PANEL CONNECTION

5/8"

Corian Trim

Mounting Bolt, Adjusting Nuts

Corian Wall Panel

Adjustment gap varies from 3/8" to 1"

PANEL TO WALL CONNECTION
Corian Trim Ceiling

Connecting Bolt

Stainless Mounting Channel

TOP VIEW

1" Pilaster

Similar connection detail for floor mounted system.

ELEVATION

Corian Panel

ShowerShapes  Date: 6/24/95
Drawn By: J. A. Garver
Title: Panel to Pilaster  Scale: none

2b-3
FLOOR MOUNT PILASTER

cover

pilaster

nuts

stud

concrete

epoxy fill

ShowerShapes

Date: 6/20/95

Title: Floor Mount

Drawn By: J. A. Garver

Scale: none
Level 2 System Floor Mount  Date: 07/11/97
ShowerShapes  Privacy Partitions
A

Wall
1"x2" Aluminum Angle
Wall Anchor
1/2" Gap
Wall Pilaster

B

1"x2" Aluminum Angle
1/2" Corian Panel
1/2" Gap
Pilaster

C

Wall
1"x2" Aluminum Angle
1/2" Gap
1/2" Corian Panel

LEVEL 2 SYSTEM
Date: 07/11/97
ShowerShapes Privacy Partitions

2b-6
mounting bolt

ceiling

corian pilaster

structural

adjust nuts

mount bolt

pilaster

1" thick corian

ShowerShapes

Title: Ceiling Mount

Date: 6/14/95

Drawn By: J. A. Garver

Scale: none
ELEVATION

SYSTEM: Level 3

- Steel Foot
- Foot Cover
- Steel Foot
- (Attaches to Ceiling 3 Places)
- 4" Pilaster
- Extension Attaches to Floor

NOTE:
To Plumb Pilaster, Tighten Outer Bolts Prior To Inner Bolts

PLAN

Wall Panel

- 1/2" Corian Trim
- 1/2" Corian Trim

Steel Foot

- 4" Pilaster
- 1/2" Corian Trim
- 1/2" Corian

H-Pilaster Detail (Ceiling Mount)  Date: 09/18/97
ShowerShapes  Privacy Partitions
ELEVATION

SYSTEM: Level 3

NOTE:
To Plumb Pilaster, Tighten Outer Bolts Prior To Inner Bolts

PLAN

H–Pilaster Detail (Floor Mounted)  Date: 09/18/97
ShowerShapes  Privacy Partitions

2b-11
T-Panel Floor Mount

Shower Shapes

Privacy Partitions

Date: 01/22/98

2b-12
ELEVATION "A"

DETAIL "A"

Existing Pilaster

Extension Glued to Pilaster

20" 14"

ELEVATION "B"

DETAIL "B"

T-Panel

Existing Pilaster

6" 20"

T-Panel Extension Type A

Date: 07/09/98

ShowerShapes Privacy Partitions
WALL MOUNT DOOR TRIM DETAIL
OUT SWING DOOR SHOWN

ShowerShapes

Date: 8/10/95
Drawn By: J. A. Garver
Title: Wall Mount Door
Scale: FULL
ShowerShapes

Date: 6/23/95
Drawn By: J. A. Garver
Title: Urinal Screen
Scale: none
TOP VIEW

3" Trim

3" Trim

Note: No Hardware Showing at Any Connection Point

Wall of Building

Corian Wall Panel

Pilaster

Floor

ELEVATION

FINISHED LOOK OF PANEL AND PILASTER

ShowerShapes Date: 12/19/95
Drawn By: J. A. Garver
Title: Panel and Pilaster Scale: 1" = 1'

2D-17
Note: Front face of partitions are in line. Only exposed hardware is the hinge, latch, and bump stop. "A" shows standard stall. "B" shows handicap stall.

Note: Only visible hardware is the handicap hinge and bump stop. No mounting hardware is visible.
IMPORTANT ACCESSORY INFORMATION

Handicap Hand Rail Mounting:

The Corian® mounting bracket for handicap grab bars is made to the dimensions of the individual grab bar. As the detail drawing shows, the Corian bracket has a recessed area with holes drilled to receive T nuts for the hand rail to be bolted in position. The Corian mounting bracket is then glued to the surface of the Corian Privacy Partition panel using either silicone adhesive or DuPont Corian two part adhesive. The hand rail may be removed at any time by unbolting from the T nuts. Inserts or through bolting of the partition panel should never be used. Panel cracking may occur if the mounting bracket is not used.

Metal Accessory Mounting:

All metal accessories must be mounted back to back with the partition panel sandwiched between the two accessories. A clean, smooth hole with softened edges must be made in the partition panel so the accessories can be bolted together. Do not use inserts to mount accessories as the inserts will pull out of the Corian panel under abuse. The best location for accessories is in solid walls of the building.

Cutting Holes in Privacy Partition Panels:

Any holes cut in a panel must have 1/2" R inside corners, the inside surface of the cut out must be made with a router and sanded smooth to a 220 grit surface finish and the edges of the cut out must be broken and sanded smooth. All of these steps are necessary to insure that stress does not build-up in the cut out and create cracking.
The bracket is drilled on the job site to match the grab bar mounting flange bolt pattern. The T-Nuts are placed into the holes in the bracket, the machine screws bolt the bar to the bracket. Silicone assembly to panel. (Use dabs of hot melt glue to hold bracket while silicone dries)
PRIVACY PARTITION 3-YEAR LIMITED
WARRANTY

ShowerShapes\textsuperscript{\textregistered} warrants the Privacy Partition product against defects in fabricated products for a period of 3 years following installation. ShowerShapes will, at its option, repair or replace, without charge, any defective component. Warranty shall provide replacement product only, labor to replace is not included.

This warranty does not cover damage caused by:

* Vandalism, physical or chemical abuse
* Fire, flood, earthquake or other natural disaster
* Structural movement of the building
* Improper installation of surrounding areas.
* Failure to follow approved installation procedure.

ShowerShapes\textsuperscript{\textregistered}
(800) 316-4989

2d-1
1) Computer aided drawings are available to show room layouts, elevations of the partition installations, connection details of the partition system, as well as other graphics to answer your customer's questions.

2) Call the ShowerShapes (800) number to have your direct questions answered between 8:00 - 12:00 and 1:00 - 5:00 Pacific time, Monday through Friday.

3) Third party support is available from the National Association of Home Builders Research Center (NAHB) and DuPont. Our products have been tested and approved by NAHB and they can interface with building officials and code requirements. DuPont's technical staff is available and has done testing on many different aspects of our design. They are happy to answer questions if you should like another opinion. Phone numbers and contact names available on request.

4) Reference lists and customer contacts are available if your customer would like to speak with someone who has a current installation.

5) Installation training is available. Call for information. (800) 316-4898 or (805) 967-4739