

BioPrism® Solid Surface Shower Partitions

- 3 available options Floor Anchored Overhead Braced, Floor to Ceiling Mounted, and Ceiling Hung
- Manufactured from BioPrism® Solid Surface featuring an industry leading bio-resin blend
- Surface is non-porous and easy to clean
- Contains rapidly renewable content
- Provides exceptional structural strength with 100% BioPrism® Solid Surface Pilasters and a light weight Anti-Absorbent Composite core in doors and wall panels

- Graffiti resistant and cleans without ghosting
- Repairable and renewable with easy sanding
- All doors, pilasters, & wall panels are a uniform 1" thick
- Ideal for healthcare, corporate and education environments
- Standard heavy duty, stainless steel hardware included



IPC.2539/Rev.4

BioPrism® Solid Surface Shower Partitions

Suggested Specifications

PART 1 – GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Section includes stock and manufactured shower partitions with BioPrism® Solid Surface exterior and anti-absorbent composite core. Pilasters shall be 100% BioPrism® Solid Surface.
- B. Types of Shower Partitions include:
1. Doors & Walls: BioPrism® Solid Surface with anti-absorbent composite core
 2. Pilasters: 100% BioPrism® Solid Surface
- C. Construction styles of Shower Partitions include:
1. Floor Mounted, Overhead Braced
 2. Floor-to-Ceiling
 3. Ceiling Hung

1.03 REFERENCES

- A. American National Standards Institute (ANSI)
B. American Society of Testing and Materials (ASTM)
C. International Cast Polymer Alliance (ICPA)
D. National Fire Protection Association (NFPA)

1.04 SYSTEM DESCRIPTION

- A. Performance Requirements: Provide solid surface material that conforms to ANSI/ICPA SS-1, Performance Standard for Solid Surface Materials for workmanship and finish, structural integrity and material characteristics.
1. Fungal and Bacterial Resistance: Provide a solid surface material that does not support fungal and bacterial growth as tested in accordance with ASTM G21 and ASTM G22.
 2. Fire Performance Characteristics: Provide solid surface shower partitions with the NFPA class B fire rating as determined by ASTM E84. Shower partition pilasters shall be NFPA class A fire rating as determined by ASTM E84.

1.05 SUBMITTALS

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification sections.
- B. Product data for material and installation including anchors, hardware, fastenings, and accessories.
- C. Shop drawings for installation of Partition assemblies that are not fully described by architectural drawings. Provide layouts and installation instructions.
- D. Samples: Verification samples minimum 1.5" x 3" samples indicating color and pattern.

1.06 QUALITY ASSURANCE

- A. Field Measurements: Take field measurements prior to component fabrication to ensure proper fitting of work.
- B. Coordination: Manufacturer to provide standard fasteners. Installer is to confirm and provide appropriate fasteners for field conditions to install Shower Partitions and related items.

1.07 DELIVERY STORAGE AND HANDLING

- A. Deliver materials in unopened factory packaging to the jobsite.
- B. Inspect materials at delivery to ensure that specified products have been received.
- C. Store in original packaging in an interior climate controlled location away from direct sunlight.

1.08 PROJECT CONDITIONS

- A. Environmental Requirements: Products must be installed in an interior climate controlled environment.

1.09 WARRANTY

- A. Standard BioPrism® Solid Surface Partition Limited 5 Year Warranty against material and manufacturing defects.

PART 2 – PRODUCTS

2.01 MANUFACTURER:

- A. Acceptable Manufacturer:
Inpro® Corporation,
PO Box 406 Muskego, WI 53150 USA;
Telephone: 800-222-5556, FAX: 888-715-8407,
www.inprocorp.com
- B. Substitutions: Not permitted.
- C. Provide all solid surface product and material from a single source.

2.02 DESCRIPTION:

- A. General: Provide Shower Partition, Doors and Wall Panels that are fabricated from BioPrism® Solid Surface material bonded to an anti-absorbent composite core. Pilasters shall be 100% BioPrism® Solid Surface material. Edges shall be fabricated from a matching solid surface material. All seams and glue lines will be inconspicuous. All doors, panels, and pilasters shall be 1" (25.4mm) finished thickness. Doors, panels, and pilasters shall be assembled into complete compartment system.

2.03 MANUFACTURED UNITS:

- A. Shower Compartments/Partitions, floor mounted with overhead bracing.
1. Door Size – 24"x64" & 36"x64" Standard, 22-48" widths and 58-84" heights (20 SQ FT MAX)
 2. Panel Size – 60.5"x64" Standard, 84" maximum length or width, not to exceed 60 1/2" in both directions (30 SQ FT MAX)
 3. Pilaster width – 3"-10" (1-inch increments); 10"-24" (2-inch increments)
 4. Pilaster Height – 83" standard up to 120"
- B. Shower Compartments/Partitions, ceiling hung.
1. Door Size – 24"x64" & 36"x64" Standard, 22-48" widths and 58-84" heights (20 SQ FT MAX)
 2. Panel Size – 60.5"x64" Standard, 84" maximum length or width, not to exceed 60 1/2" in both directions (30 SQ FT MAX)
 3. Pilaster width – 3"-10" (1-inch increments); 10"-24" (2-inch increments)
 4. Pilaster Height – 89 1/2" standard up to 120"
- C. Shower Compartments/Partitions, floor to ceiling pilasters.
1. Door Size – 24"x64" & 36"x64" Standard, 22-48" widths and 58-84" heights (20 SQ FT MAX)
 2. Panel Size – 60.5"x64" Standard, 84" maximum length or width, not to exceed 60 1/2" in both directions (30 SQ FT MAX)
 3. Pilaster width – 3"-10" (1-inch increments); 10"-24" (2-inch increments)
 4. Pilaster Height – 96" standard up to 120"

2.04 MATERIALS:

- A. BioPrism Solid Surface Shower Partition Panels:
1. BioPrism® Solid Surface sheet shall be 1/4" (6.35mm) thick. Material is a mineral filled, cast bio-based polyester/acrylic hybrid sheet manufactured in flat panels.
 2. Core Material: Core material of 1/2" (13mm) thickness shall be an anti-absorbent composite.
 3. Edge and seam adhesives: Seams shall be bonded with methyl methacrylate adhesive matching in pigmentation to the face and edge material. All seam and glue lines will be inconspicuous.
 4. Stainless Steel: Stainless steel pilaster shoes and caps and brackets shall be type 304 Stainless Steel with a #4 Satin Finish.
 5. Aluminum: Aluminum headrails shall be continuous extruded aluminum, anti-grip profile, with a clear anodized satin finish.
 6. Exposed Fasteners: Exposed fasteners shall be tamper resistant stainless steel.
 7. Concealed Fasteners: Concealed fasteners shall be zinc plated steel.

2.05 FINISHES

- A. Select color from Inpro® Corporation BioPrism® Solid Surface Partitions color palette.

2.06 ACCESSORIES

- A. Pilaster Shoes
1. Stainless steel shoes (Standard), 22 gauge, Type #304 stainless steel, #4 Satin finish.
 - a. 4" Height, 3" to 10" (1-inch increments), 10" to 24" (2-inch increments).
2. BioPrism® Solid Surface shoes (Optional)
 - a. 4" Height, 3" to 10" (1-inch increments), 10" to 24" (2-inch increments).

B. Trim

1. Full Trim Package
- a. Provide solid surface trim that conceals brackets except hinges, and blocks line of sight at door opening.
2. Partial Trim Package
- a. Provide solid surface trim that blocks line of sight from outside of partition stalls.

C. Brackets

1. Brackets shall be Type #304 stainless steel with #4 Satin finish hardware.
- a. 4 contact points - standard
- b. Continuous channel - optional

D. Hinges

1. Hinge - set of 4 - surface spring 4" x 3/32", stainless steel –satin finish
2. Piano Hinge-Cam 57-1/2" long (full close), stainless steel –satin finish
3. Piano Hinge-Cam 71" long (full close), stainless steel –satin finish

E. Latches

1. Latch Slide – stainless steel –satin finish
2. Strike - 1" Door - stainless steel – satin finish
3. Continuous Strike – 54" long – aluminum – clear anodized
4. Keeper - stainless steel – satin finish
5. Emergency Access Indicator Latch

F. Throws

1. Latch-Throw – stainless – satin finish
2. Strike - 1" Door - stainless steel – satin finish
3. Continuous Strike – 54" long – aluminum – clear anodized
4. Throw Latch Pack - ADA compliant latch – stainless steel – satin finish

G. Hooks

1. Hook-combination bumper, satin stainless steel

H. Pulls

1. Door Pull 3-1/2" centers - Cast stainless steel

I. Headrails (Overhead Bracing)

1. Continuous extruded aluminum, anti-grip profile, with clear anodized satin finish. Headrail returns as shown on shop drawings.
- a. Headrail - 8-1/2'
- b. Headrail - 10'

J. Lateral bracing (ceiling hung only)

1. Ceiling hung partition lateral bracing 5-3/4"x1/2"x120"

2.07 FABRICATION

- A. General: Furnish standard doors, panels, and pilasters fabricated for partition system.

- B. Door Dimensions: Unless otherwise indicated, furnish 24" wide in-swing, or 36" wide out-swing doors.

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C. Shower Partitions:

1. Solid Surface with Anti-Absorbent Composite
Core: material shall be processed and fabricated in a craftsman like manner. All surfaces shall have Inpro's final finish. Seams shall be tightly bonded. All seam and glue lines will be inconspicuous. Edges shall be finished and free of milling marks.

PART 3 – EXECUTION

3.01 INSTALLATION

A. General: Install in accordance with manufacturer's instructions.

1. Install compartment units rigid, straight, plumb and level.
2. Provide clearance of not more than 1/2 inch (13 mm) between pilasters and panels and not more than 1 inch (25.4 mm) between panels and structural walls.
3. Secure panels to walls with not less than four brackets attached near top, middle and bottom of panel.
4. Locate wall brackets so holes for wall anchorages occur in masonry or tile joints.
5. Secure panels to pilasters with not less than four brackets located to align with brackets at wall.
6. Secure panels in position with anchoring devices.
7. Level, plumb, and tighten installation.

B. Floor Mounted Overhead Braced Compartments:

1. Secure pilaster to floor. Secure overhead brace to each pilaster with fasteners supplied.
2. Attach wall panels to structural walls and pilasters with supplied hardware.
3. Hang doors and adjust so tops of doors are parallel with overhead brace when doors are in closed position.

C. Ceiling Hung Compartments:

1. Secure pilaster to supporting structure.
2. Attach wall panels to structural walls and pilasters with supplied hardware.
3. Hang doors and adjust door so door bottoms are level with bottoms of pilasters when doors are in closed position.

D. Floor to Ceiling Compartments:

1. Secure pilasters to floor and support structure in ceiling with supplied hardware.
2. Attach wall panels to structural walls and pilasters with supplied hardware.
3. Hang doors and adjust so door gaps are the same on both sides when in the closed position.

E. Hardware Adjustment:

1. Adjust and lubricate hardware for proper operation.
2. Set the surface mounted spring hinges on inswing doors to hold open approximately 20 degrees from closed position when unlatched.
3. Set the surface mounted spring hinges on out-swing doors (and entrance swing doors) to return to fully closed position.

3.02 CLEANING

- A. Clean and Protect: Clean exposed surfaces of partition parts using materials and methods recommended by manufacturer, and provide protection as necessary to prevent damage during remainder of construction period.
- B. Scratch Removal: Sand or buff out scratches per methods recommended by manufacturer.

END OF SECTION