

SOLID PLASTIC TOILET SPECIFICATIONS

FLOOR TO CEILING

PART 1 – GENERAL

1.1. SUMMARY

A. Selection Includes:

1. Solid plastic [toilet compartments] [urinal screens] [privacy screens].

1.2. REFERENCES

A. Advancing Standards Transforming Markets (ASTM International)

1. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

B. National Fire Protection Association (NFPA):

1. NFPA 286 – Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth.

1.3. SYSTEM DESCRIPTION

A. Compartment Configurations:

1. Floor to ceiling mounted toilet partitions, privacy screens, and entry partitions.
2. Urinal screens: wall or floor to ceiling mounted.

1.4 SUBMITTALS

A. Submittals for Review:

1. Shop Drawings: Dimensioned layout and elevations.
2. Product Data: Manufacturer's descriptive data for panels and hardware.
3. Samples: 2"x3" samples available upon request.

B. Sustainable Design Submittals:

1. Recycled Content: Certify post-consumer and pre-consumer recycled content.
2. Regional Materials: Certify distances from manufacturing and raw material sources.

1.5 QUALITY ASSURANCE:

- ##### A. Manufacturer Qualifications:
- Over 15 years experience of outstanding manufacturing experience in solid plastic toilet compartments.

1.6 WARRANTIES:

- ##### A. Provide manufacturer's 25-year warranty against breakage, corrosion, and delamination under normal conditions.
- ##### B. Warranty void if material is exposed to direct sunlight (causing warping), stored leaning against a wall, or stored outside recommended room temperature. Material must be stored flat, indoors, at room temperature.

PART 2 – PRODUCTS

2.1 MANUFACTURERS

A. Accu Tec Manufacturing, Inc.

B. Substitutions: Not permitted.

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2.2. MATERIALS

A. MATERIALS

1. Solid HDPE polymer resins, single thickness, 1" thick, edges rounded to 1/4" radius.
2. Waterproof, nonabsorbent, graffiti-resistant.
3. Fire hazard classification: Not required OR Class A/B per ASTM E84 OR pass NFPA 286
4. Recycled content: Minimum 25% (if applicable).
5. Color: To be selected from manufacturer's full color range.

B: Aluminum Extrusions: ASTM B221, 6463-T5 alloy, clear anodized finish.

C. Stainless Steel: ASTM A167, Type 304, satin finish.

2.3 HARDWARE

(All aluminum hardware shall have a clear anodized finish; all stainless steel hardware shall have a satin finish.)

A. HINGES:

1. 8" heavy-duty extruded aluminum, wrap-around flanges, field-adjustable nylon cams.
2. Continuous Aluminum Hinge available in 54" or 71" lengths; spring-loaded for self-closing action; universal non-handed profile; fixed closing action.
3. Continuous Stainless Steel Hinge available in 54" or 71" lengths; Type 304 stainless steel, spring-loaded for self-closing action; universal non-handed profile; fixed closing action.
4. Helix Stainless Steel Hinge available in 54" or 71" LENGTHS; 14-gauge Type 304 stainless steel with welded and ground 1/4" stainless pin; in-swing set to 15° open, out-swing set in closed position.
5. Vault Stainless Steel, type 304 stainless steel, gravity-close pivot hinge.
6. Integral Hinges with integrated nylon hinge system. Pilaster and door precision-manufactured to accept hinge; concealed design with no exposed metal.

B. BRACKETS:

1. Aluminum Stirrup Bracket extruded 6463-T5 aluminum
2. Continuous Aluminum Bracket available in 54" or 71" lengths, extruded 6463-T5 aluminum.
3. Continuous Stainless Steel Bracket available in 54" or 71" lengths, Type 304 stainless steel.
4. Continuous PVC Single-Ear Bracket available in 54" or 71" lengths, extruded PVC construction, available in Black, Blueberry, Beige, Linen, Mocha, and Grey colors only.

C. DOOR STRIKE AND KEEPERS:

1. Aluminum Strike/Keeper 6" heavy-duty extruded 6463-T5 aluminum, factory-installed hard rubber bumper.
2. Stainless Steel Strike/Keeper Type 304 stainless steel, factory-installed hard rubber bumper.

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D. SLIDE LATCH

1. Aluminum Slide Latch Heavy-duty extruded 6463-T5 aluminum latch housing, black anodized slide bar and button.
2. Cast Stainless Steel Slide Latch, type 304 stainless steel.

F. COAT HOOK AND BUMPER

1. Combination coat hook and door stop, Zamak alloy with satin clear finish.
2. Combination coat hook and door stop, cast stainless steel.

G. DOOR PULLS

1. Zamak alloy with satin clear finish.
2. Cast stainless steel (satin finish).
 - I. ADA outswing doors include a second pull.

2.4 COMPONENTS

A. Doors/Panels: 55" high, mounted 14" above finished floor.

B. Pilasters: Height equal to floor-to-ceiling dimension.

C. Pilaster Shoes:

1. HDPE, injection molded, sizes from 3"-12" (1" increments), 14"-24" (even sizes only).
2. Stainless steel, Type 304, 20-gauge, same size range.

D. Pilaster Sleeves

1. 4" tall, stainless steel, Type 304, 20-gauge, sizes from 3"-12" (1" increments), 14"-24" (even sizes only).

E. Anchors:

1. Anchored to floor and ceiling with type 304, 14 gauge stainless steel L-plates and tamper-resistant fasteners.

PART 3 – EXECUTION

3.1 INSTALLATION

- A. Install compartments in accordance with manufacturer's instructions and approved shop drawings.
- B. Install plumb, level, and rigid.
- C. Bottom edges of doors and panels to be 14" above finished floor.
- D. Provide maximum $\frac{3}{8}$ " vertical clearance at doors.
- E. No evidence of cutting, drilling, or patching is acceptable.

3.2 ADJUSTING

- A. Adjust doors and latches for proper operation.