

SECTION 10 21 16
SHOWER AND DRESSING COMPARTMENTS

SHOWER WALL PANELS

Panel Composite Systems, Inc.
6130 Cochran Road, Solon OH 44139
440.287.0101
buildregal.com

PART 1 – GENERAL

1.1 RELATED SECTIONS

- A. Related work specified in other sections:
 - 01 33 00 "Submittal Procedures"
 - 06 10 00 "Rough Carpentry"
 - 06 20 00 "Finish Carpentry"
 - 22 40 00 "Plumbing Fixtures"

1.2 REFERENCES

- A. Codes and Standards referenced in this section refer to the latest edition thereof.
- B. Applicable Standards referenced herein:
 - ASTM: American Society for Testing and Materials
 - ANSI: American National Standards Institute

1.3 SUMMARY

- A. Section includes:
 - Porcelain composite wall panels, as indicated and specified
- B. Work Specified in this Section:
 - Shower surround panels, Tub surround panels, and Wet room wall panels

1.4 DEFINITION

- A. Porcelain composite wall panels consist of 6mm vitrified porcelain slabs adhered in-plant to a moisture-resistant backer and PVC tracks. The material is non-porous with the specified color and pattern on the porcelain surface.

1.5 SUBMITTALS

- A. Shop Drawings
 - Installer shall provide shop drawings indicating panel sizes and seam locations.

SECTION 10 21 16
SHOWER AND DRESSING COMPARTMENTS

- B. Submit samples of full range of available colors for color selection
- C. Care & Maintenance Data
Provide manufacturer's care and maintenance instructions

1.6 DELIVERY, STORAGE AND HANDLING

- A. Transport and deliver all items in appropriate packaging to prevent damage.
- B. Handle materials to prevent damage to adjacent surfaces and previous work.
- C. Carry all shower wall panels vertically to avoid breakage.

1.7 QUALITY ASSURANCE

- A. Source Limitations
Where porcelain composite wall panels are indicated on drawings, the material shall be Touchstone™, manufactured by Panel Composite Systems, Inc., 6130 Cochran Road, Solon OH 44139. Phone 440.287.0101
- B. Installation Qualifications
Porcelain composite wall panels shall be installed in accordance with published manufacturer instructions.

1.8 WARRANTY

- A. Furnish the manufacturer's Limited Product Warranty covering defects in materials and workmanship, including delamination of porcelain face panels from the substrate; cracking of porcelain face panels not caused by impact, structural movement, or misuse; staining of porcelain face panels under normal indoor use conditions; and defects in the mechanical track system, including PVC rails, brackets, and hardware.
- B. Warranty term shall commence on the date of initial installation, provided installation is completed within one (1) year from the date of original purchase. Product shall be purchased directly from a manufacturer-authorized distributor.
- C. Warranty Period
 - a. Three (3) years where the Product is installed in a commercial property by a professional contractor in accordance with the manufacturer's published installation guide.
 - b. Fifteen (15) years where the Product is installed in a commercial property by a manufacturer-certified installer holding an active designation at the time of installation, and is installed using the manufacturer's installation

SECTION 10 21 16 SHOWER AND DRESSING COMPARTMENTS

accessory pack together with the shower pan, entry door and enclosure wall, and sealant products identified in the manufacturer's published approved system spec.

- D. Commercial property includes property used for business, institutional, or multi-tenant residential purposes, including hotels, senior living facilities, multifamily housing, healthcare facilities, restaurants, and offices.
- E. The fifteen (15) year Warranty Period requires registration of the Product, its purchase date, and its installation date with the manufacturer within thirty (30) days of the installation completion date.

PART 2 - PRODUCTS

2.1 MANUFACTURER / BASIS OF DESIGN

Touchstone™ porcelain shower surround system

Panel Composite Systems, Inc.
6130 Cochran Road, Solon, OH 44139
440.287.0101

2.2 MATERIALS

- A. Porcelain composite wall panels
 - a. Porcelain composite wall panels shall be Touchstone™, manufactured by Panel Composite Systems, Inc., 6130 Cochran Road, Solon OH 44139. Phone 440.287.0101
 - b. Porcelain composite wall panels consist of 6mm vitrified porcelain slabs adhered in-plant to a moisture-resistant backer and PVC tracks. The material is non-porous with the specified color and pattern on the porcelain surface.
 - c. Porcelain composite wall panels shall be installed using mechanical attachments with no thinset adhesive or grout.
 - d. Porcelain composite wall panels shall be removable for future plumbing repairs and shall allow for reinstallation upon completion of the repairs.
 - e. All products shall carry the manufacturer's Limited Product Warranty as specified in Section 1.8.
- B. Products
 - a. Horizontal porcelain composite shower wall panels
 - i. Horizontal porcelain composite shower wall panels shall be **Touchstone™ H-Series**, manufactured by Panel Composite Systems, Inc., 6130 Cochran Road, Solon OH 44139. Phone 440.287.0101

SECTION 10 21 16 SHOWER AND DRESSING COMPARTMENTS

- ii. Horizontal porcelain composite shower wall panels shall be manufactured from 6mm vitrified porcelain slabs adhered in-plant to a moisture-resistant backer and PVC tracks.
- iii. Horizontal porcelain composite shower wall panel type shall be as follows:
 - 1. Model: H-Series porcelain composite panel
 - a. Maximum panel size: 94-1/2"W x 47-1/4"H
 - b. 3/4" overall panel thickness
- iv. Horizontal porcelain composite shower wall panels shall be manufactured and supplied at largest practical widths so as to minimize seaming at the jobsite.
- v. Horizontal porcelain composite shower wall panels shall be trimmed and scribed at time of installation to ensure proper fit

C. Color & Pattern

- a. Porcelain composite wall panel color/pattern
 - i. To be selected from manufacturer's standard selection of available colors and patterns

D. Finish

- a. To be selected from manufacturer's standard selection of finishes

E. Basic Limitations

- a. Material designed for interior use only.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine all substrates to receive porcelain composite wall panels for compliance with installation tolerances and other conditions affecting performance of work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install products plumb and level in locations indicated, in accordance with manufacturer's recommended installation procedures.
 - a. Trim and scribe all shower wall panels to ensure proper fit.
 - b. Cut and finish component edges with clean, sharp returns where needed.
 - c. Use manufacturer's recommended tooling, blades, bits, and published procedures for all trimming and scribing.

SECTION 10 21 16 SHOWER AND DRESSING COMPARTMENTS

- B. Install manufacturer's provided in-wall, mechanical fastening system according to published manufacturer procedures, installing in-wall blocking where necessary.
- C. Porcelain composite wall panels shall be installed in a stacked configuration so as to create a single horizontal seam in each shower wall. Seams in shower walls shall be level and align with adjacent shower walls.
- D. Install self-adhesive, closed-cell foam gasket between panels at vertical corner joints.
- E. Install self-adhesive, waterproof flashing in one continuous piece at the following locations:
 - a. on framing behind vertical corner joints, from top of panels to top of shower base, with bottom edge inside water dam on shower base
 - b. at horizontal joint between shower base and wall framing
- F. Install manufacturer's recommended color-match sealant at all visible panel joints. Maximum joint width shall be no more than 1/8" in finished work.
- G. Installer shall not use thinset adhesive, mortar, or grout to install porcelain composite wall panels.
- H. Coordinate plumbing installation with Division 22.

3.3 CLEANING

- A. Keep components clean during installation.
- B. Remove all adhesives and sealants from product surfaces.
- C. After installation is complete, remove all excess materials, supplies, adhesives, dirt, and debris from the installation area.

3.4 PROTECTION

- A. Protect surfaces from damage until project is completed. Repair or replace damaged components which cannot be repaired to the Architect's satisfaction.