

Product Guide Specification – December, 2012

Specifier Notes: This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format. The section must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the drawings. Delete all “Specifier Notes” when editing this section.

SECTION 8800 General Glazing – Glass Floor

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Glass Flooring, Landings, or Treads.

1.2 RELATED SECTIONS

Specifier Notes: Edit the following list of related sections as required for the project. List other sections with work directly related to this section.

- A. Section 8800 – General Glazing.

1.3 REFERENCES

- A. ASTM C1048, standard specification for heat treated glass-kind HS, kind FT coated and uncoated
- B. ASTM C1172-91, standard application for laminated architectural flat glass
- C. ASTM C1036, Type 1-transparent, quality Q3-glazing select quality.
- D. UL- 410 Anti-Slip Certifications.
- E. ASCE Tab 4.1 and IBC, Table 1607.1
- F. ANSI/NFSI B101.1-2009 Test Method for Measuring Wet SCOF of Common Hard-Surface Floor Materials
- G. ASTM 2751-11, Standard Practice for the Design and Performance of Supported Glass

Walkways.

- H. ASTM C-1028, Standard Test Method for Determining the Static Coefficient of Friction for Ceramic Tile and other like surfaces by the Horizontal Dynamometer Pull-Meter Method

1.4 SUBMITTALS

- A. Comply with Section 01330 - Submittal Procedures.
- B. Product Data: Submit manufacturer's product data, including installation instructions.
- C. Engineering Report: Submit Reports
- D. ASTM-C-1028 Test Reports, ANSI/NFSI Certifications and/or UL Certification Letters

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
- B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions.
- C. Handling: Protect materials and finish from damage during handling and installation.

PART 2 PRODUCTS

2.1 MANUFACTURER

Specifier Notes: Three things to make sure when listing a manufacturer, 1) UL 410 approved anti-slip surface. 2) Credible History. 3) Provides Engineering Report for each project

- A. Jockimo Inc. (www.jockimo.com) 949-251-1560 - 949-251-0126 fax
- B. No Substitutions

2.2 MATERIALS

Specifier Notes: This may vary for numerous reasons – aesthetics, loading requirements, structural integrity, etc. Typically Flooring, treads, and landings are 3 layers of tempered glass and treads.

- A. Structural Requirements.
 - 1. Load Rating: Based on ASCE Tab 4.1 and IBC, Table 1607.1
 - a. Dead Load – weight of the glass
 - b. Uniformly distributed live load – 100 psf
 - c. Concentrated Live Load – 75 psi
 - d. Analysis or testing must consider above conditions separately and together.
 - e. Loads are applied assuming one lite is already compromised.
 - 2. Deflection Rating – L/360
 - 3. Snow Loads:
 - 4. Support Structure – concrete, wood, steel, other _____
 - 5. Full, partial, or perimeter support – number of inches/mm supported _____
 - 6. To be verified using Finite Element Analysis

- B. Safety Requirements – (at least one must be met)
 - 1. UL 410 Rating
 - 2. ANSI/NFSI Phase 2 approval and certification, greater than or equal to .6 Coefficient of Friction (COF)
 - a. Test for Dry conditions
 - b. Test for Wet Conditions
 - c. Test must be conducted IAW ANSI/NFSI B101.1-2009
 - 3. COF rating .6 or greater wet and dry per ASTM-C-1028.
 - 4. All test must be conducted and completed by an Independent Testing Agency or Facility

- C. Glass Material:
 - 1. Clear Float Glass (green hue).
 - 2. Low Iron Glass (examples Optiwhite, Starfire, Eurowhite).
 - 3. Color Glass

- D. Glass Make up: Basis of Design – Jockimo’s
 - 1. Top Layer – Tempered Jockimo Anti-Slip Classic Glass Grit™
 - 2. .060” Lamination Layer – Polylam (urethane) or EVA
 - 3. Middle Layer - ” Tempered Glass
 - 4. .060” Lamination Layer – Polylam (urethane) or EVA
 - 5. Bottom Layer – _____ Tempered Glass, patterned, or Slump cast glass
 - 6. No opaque materials shall be included on the top surface.

- E. Aesthetic Qualities (*Options)
 - 1. Transparent, Translucent, or Opaque
 - 2. Frosted 3rd, 4th, or 5th surface
 - 3. Logos
 - 4. Color features within the glass

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas to receive floor cleanouts. Notify Architect of conditions that would adversely affect installation or subsequent use. Do not proceed with installation until unsatisfactory conditions are corrected.

3.2 INSTALLATION

- A. Adhere to Jockimo’s Structural Support Guidelines.
- B. Use Silicone compatible with laminated glass.
- C. Ensure that glass sits on a level surface.

3.3 PROTECTION

- A. Protect glass from damage during construction.

END OF SECTION