

# Architectural Glazing Guide Specification - Walker Textures® Traction

*(Walker Glass Specification sections use Master Format section numbering. For questions or additional information, contact Walker Glass. Revise footer if architectural firm and project name are required. For questions or additional options please contact Walker Glass at 1-888-320-3030)*

## Section 08 44 30 Slip Resistant Acid Etched Glazing

### PART 1 - GENERAL

#### 1.01 SUMMARY

- A. Related Sections:
  - 1. Section 00 80 00

#### 1.02 REFERENCES

- A. United States
  - 1. ANSI A137.1:2012 Section 9.6 “Procedure for Dynamic Coefficient of Friction (DCOF) Testing”.
  - 2. ANSI Z97.1 – American National Standard for Glazing Materials Used in Buildings – Safety Performance and Methods Test.
  - 3. American Society of Civil Engineers (ASCE) ASCE 7 - Minimum Design Loads for Buildings and other Structures.
  - 4. AS® C1172 – Standard Specification for Laminated Architectural Flat Glass.
  - 5. AS® E1300 – Standard Practice for Determining the Minimum Thickness and Type of Glass Required to Resist a Specified Load.
  - 6. Consumer Product Safety Commission (CPSC); CPSC 16 CFR 1201- Safety Standard for Architectural Glazing Materials.
  - 7. Glass Association of North American (GANA) Glazing Manual.
  - 8. ISO 9001:2015 Certification.

#### 1.03 SYSTEM DESCRIPTION

- A. Walker Textures® “Traction” Slip Resistant Acid Etched Glazing is fabricated for the top surface lite of laminated glazing for structural glass floors and structural glass treads. Slip resistance properties are entirely derived through acid etching, whereby portions of the glass are removed to varying depths by a controlled process.
- B. [Interior] [Exterior] structural glass floors and structural glass stair treads are to be custom designed, engineered detailed, factory fabricated by professional parties regularly engaged and experienced in the design of these assemblies.
  - 1. Provide glazing systems capable of withstanding normal thermal movements, impact loads, without failure, including loss due to ineffective manufacture, fabrication and installation, deterioration of glazing materials and other defects in construction.
  - 2. Provide glass thickness and strengths (annealed, heat-strengthened, tempered) required to meet or exceed standards criteria based on in-service conditions per AS® E1300.

## 1.04 SUBMITTALS

- A. Submit 12-inch (305 mm) square samples of each type of Slip Resistant Acid Etched Glass indicated and 12-inch (305 mm) long samples of each color required for each type of application.

## 1.05 QUALITY ASSURANCE

- A. Comply with published recommendations of glass product manufacturers and organizations below, except where more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this section or referenced standards.
  - 1. GANA Publications
- B. Safety glass products in the United States comply with CPSC 16 CFR 1201 for Category II materials.
- C. Manufacturer to be ISO 9001:2015 Certified.

## 1.06 HANDLING, FABRICATION AND INSTALLATION

- A. Comply with manufacturer's instructions. (To include current Handling, Fabrication and Installation guidelines go to <http://walkerglass.com/pdf-page-guidelines-for-handling/> for current version).
- B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.
- D. Exercise care to prevent damage to glass and damage/deterioration to coating on glass.
- E. Field Measurement: When construction schedule permits, verify field measurements with drawing dimensions prior to fabrication of glass products.

## 1.07 WARRANTY

To include warranty specifications please go to <http://walkerglass.com/pdf-page-warranty/>

## PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

- A. Manufacture is used in the section to refer to a firm that produces primary glass or fabricated glass as defined in the referenced glazing standards.

### 2.02 MATERIALS

Acid-etched glass only. Simulated acid-etched, ceramic frit or other forms of coatings on the glass are not allowed.

- A. **MONOLITHIC SLIP RESISTANT ACID ETCHED GLASS**  
(*Select Glass Type Pattern, tint and corresponding thickness(es). Delete all other sections.*)

- 1. Textures® Traction Pattern 406  
Clear [6mm] [8mm][10mm][12mm]  
Low Iron [6mm][8mm][10mm][12mm]
- 2. Textures® Traction Pattern 407  
Clear [6mm] [8mm][10mm][12mm]  
Low Iron [6mm][8mm][10mm][12mm]

3. Textures® Traction Force (full surface)  
Clear [6mm] [10mm][12mm]  
Low Iron [6mm] [10mm][12mm]

## **B. SURFACE FINISH**

**The coefficient of friction of the acid-etched glass surface shall be determined in accordance with:**

1. ANSI A137.1:2012 Section 9.6 “Procedure for Dynamic Coefficient of Friction (DCOF) Testing”

Wet Dynamic Coefficient of Friction (DCOF)

Pattern 406:	0.67
Pattern 407:	0.66
Force (full surface):	0.56

## **C. GLASS STRENGTH**

(To be determined by professional parties regularly engaged and experienced in the design of these assemblies).

## **D. HEAT-TREATED FLOAT GLASS**

Glass to be heat-treated by horizontal (roller hearth) process with inherent roller-wave distortion parallel to the bottom edge of the glass as installed when specified.

# **PART 3 - EXECUTION**

## **3.01 PREPARATION**

### **A. Protection**

1. Handle and store product according to manufacturer’s recommendations.

## **3.02 CLEANING**

### **POST INSTALLATION CLEANING AND MAINTENANCE**

To prevent permanent damage and maintain visual and aesthetic quality, acid-etched glass products should be protected during construction and must be properly cleaned after installation and as part of routine maintenance.

To include current Post Installation Cleaning and Maintenance guidelines go to <http://walkerglass.com/pdf-page-guidelines-for-handling/>

## **END OF SECTIONS**