

**SECTION 08 81 13
DECORATIVE GLASS GLAZING**

Part 1 GENERAL

1.1 Summary

- A. Section Includes: Monolithic decorative glass with high relief textures.

- B. Related Sections:
 - 1. Section 09770 – Special Wall Surfaces
 - 2. Section 07 90 00 – Joint Protection
 - 3. Section 08 11 00 – Metal Doors and Frames
 - 4. Section 08 30 00 – Specialty Doors and Frames
 - 5. Section 08 41 00 – Entrances and Storefronts
 - 6. Section 08 81 00 – Glass Glazing
 - 7. Section 08 44 00 – Curtain Wall and Glazed Assemblies

1.2 References

A. ASTM International

- 1. ASTM C 1036 Specification for Flat Glass
- 2. ASTM C 1048 Specification for Heat-Treated Flat Glass-Kind HS, Kind FT Coated and Uncoated Glass
- 3. ASTM E-774-Specification for Sealed Insulating Glass Units where insulating glass is specified

B. ANSI - American National Standards Institute

- 1. ANSI Z-97.1 Safety Performance Specifications and Methods of Test Used in Buildings
- 2. CPSC 16 CFR 1201 Safety Standard for Architectural Glazing Materials, Category I and II

1.3 Submittals

- A. Provide submittals in accordance with Section 01305 – Submittal Procedures.
- B. Submit manufacturer's shop drawings, installation drawings, installation instructions and maintenance instructions.
- C. Submit environmental impact data for all materials.
- D. Submit samples no less than 6" x 6" for all specified glass configurations.

E. Manufacturer information:

1. Provide overview literature describing manufacturer's overall scope of products and manufacturing capabilities.
2. Provide URL for manufacturer's web site; web site must provide access to technical data, images and general product information.

1.4 Quality Assurance

A. Manufacturer Qualifications

1. Minimum 10 years experience in the manufacture of kiln cast glass.
2. Minimum 10 years experience in the fabrication of kiln cast glass.
3. Provide test reports indicating products meet or exceed specified requirements.

B. Installer Qualifications

1. Minimum three years experience in the installation of glass.

1.5 Delivery, Storage and Handling

- A. Deliver materials to installation site in manufacturer's original packaging. Handle products in accordance with manufacturer's instructions. Store in dry, secure location, protected against direct sunlight and excessive heat. Protect finished surfaces with strippable film.

1.6 Warranty

A. Provide manufacturer's standard warranty.

1. Warranty terms: one year against defects in materials and workmanship.

Part 2 PRODUCT

2.1 Manufacturer

A. Forms+Surfaces

30 Pine Street
Pittsburgh, PA 15223
phone: 800-451-0410

fax: 412-781-7840

email: sales@forms-surfaces.com

website: www.forms-surfaces.com

2.2 BermanGlass Refract Kiln Cast Glass

A. Material

1. Texture: Arrigado, Ellisse, Olivia (choose one)
2. Glass Type: Clear, Low Iron (choose one)
3. Safety Treatment: Tempered, Laminated, Tempered and Laminated, Not Tempered or

Laminated (choose one)

6. Processing: kiln polished edges, holes, cutouts, pattern cuts, none (choose all applicable)
7. Overall Nominal Thickness: 1/4" (6 mm), 3/8" (10 mm), 1/2" (12 mm), 5/8" (15 mm), 3/4" (19 mm) (choose one)

2.3 Hardware

A. Slot Mount Standoff

1. Finish: Polished Brass, Polished Gun Metal, Polished Chrome, Satin Stainless Steel, Satin Chrome (choose one)

B. Edge Grip Standoff

1. Finish: Polished Brass, Polished Gun Metal, Polished Chrome, Satin Stainless Steel, Satin Chrome (choose one)

C. Round Standoff

1. Finish: Polished Brass, Polished Gun Metal, Polished Chrome, Satin Stainless Steel, Satin Chrome (choose one)

2. Base Length: 1/4" (6.3mm), 3/8" (9.5mm), 1/2" (12.7mm), 1" (25.4mm), 1-1/2" (38.1mm), 2" (50.8mm), 4" (101.6mm), 6" (152.4mm) (choose all that apply)

D. Spider Fitting

1. Finish: Polished Stainless Steel, Satin Stainless Steel (choose one)
2. Configuration: 1-arm, 2-arm, 3-arm, 4-arm (choose all that apply)

E. Square Mall Clamp

1. Finish: Polished Brass, Polished Stainless Steel, Satin Stainless Steel (choose one)

F. Tapered Rail:

1. Finish: Polished Brass, Polished Stainless Steel, Satin Stainless Steel, Satin Anodized, Black Bronze Anodized, Black Powdercoat (choose one)

Part 3 EXECUTION

3.1 Preparation

- A. Protect glass and equipment from damage caused by work of this Section.

3.2 Installation

- A. Install Refract Kiln Cast Glass in accordance with manufacturer's instructions at locations indicated on the drawings.

3.4 Cleaning and Protection

- A. Protect glazing in accordance with GANA Glazing Manual.
- B. Clean glazing materials in accordance with GANA Bulletin 01-0300.

END OF SECTION