

SECTION 08800

GLAZING

PART 1 - GENERAL

- 1.1 SECTION INCLUDES
 - A. Glass and glazing for windows, doors, entrances and view windows.
- 1.2 RELATED SECTIONS
 - A. Section 08112: Standard Steel Frames.
 - B. Section 08211: Flush Wood Doors.
- 1.3 REFERENCES
 - A. ANSI Z97.1 - Safety Performance Specifications and Methods of Test for Safety Glazing Used in Buildings.
 - B. ASTM C1036 - Flat Glass.
 - C. FGMA - Glazing Manual.
 - D. FGMA - Sealant Manual.
 - E. FS TT-S-00227 - Sealing Compound, Rubber Base, Two Component.
 - F. SIGMA - Sealed Insulated Glass Manufacturers Association.
- 1.4 SUBMITTALS
 - A. Product Data on Glass Specified: Provide structural, physical and environmental characteristics, size limitations, special handling or installation requirements match existing type.
 - B. Product Data on Glazing Compounds: Provide chemical, functional, and environmental characteristics, limitations, special application requirements. Identify available colors.
 - C. Manufacturer's Installation Instructions: Indicate special precautions required.
- 1.5 COORDINATION
 - A. Coordinate the Work with glazing frames, wall openings, and perimeter air and vapor seal to adjacent Work.

1.6 WARRANTY

- A. Provide five year manufacturer's warranty.
- B. Warranty: Include coverage for sealed glass units from seal failure, interpane dusting or misting, and replacement of same.

PART 2 - PRODUCTS

2.1 MANUFACTURERS - FLAT GLASS MATERIALS

- A. Guardian Industries Corp.
- B. PPG Industries, Inc.
- C. Libbey-Owens-Ford Co.
- D. Technical Glass Products - TGP.

2.2 GLASS MATERIALS

- A. Tempered Safety Glass GL1: Grade B, FS DD-G-1403; Type I, Class 2, Style 1, Class I, 1/4" thick medium grey. Location: Aluminum windows storefront framing and doors.
- B. Wire Glass GL2: FS DD-G-451, Type II, Class I, Form 1, Q8 quality, mesh M2 (square mesh); 1/4" thick minimum. Location: Rated view windows and doors.

2.3 MANUFACTURERS - GLAZING COMPOUNDS

- A. Sonolastic (Sonneborn)
- B. Rexnord Chemical Products, Inc.
- C. Chem-Calk 100 (Woodmont)
- D. Substitutions: Under provisions of Section 01600.

2.4 GLAZING COMPOUNDS

- A. Polysulphide Sealant: FS TT-S-00227, Class A Type II; two component; cured Shore A hardness of 15-25; color as selected. Equal to Sonolastic by Sonneborn Building Products.

2.5 MANUFACTURERS - GLAZING ACCESSORIES

- A. Protective Treatments, Inc.

- B. Tremco
- C. Chemptape (Woodmont)

2.6 GLAZING ACCESSORIES

- A. Setting Blocks: Neoprene EPDM or Silicone, as required for compatibility with glazing sealants.
- B. Spacer Shims: Neoprene, Silicone, or EPDM; hardness as recommended by manufacturer.
- C. Glazing Tape: Preformed butyl polyisobutylene compound with or without integral resilient tube spacing device; hardness as recommended by manufacturer; coiled on release paper; black color.
- D. Glazing Clips: Manufacturer's standard type.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify that surfaces of glazing channels or recesses are clean, free of obstructions, and ready to receive glazing.

3.2 PREPARATION

- A. Clean contact surfaces with solvent and wipe dry.
- B. Seal porous glazing channels or recesses with substrate compatible primer or sealer.

3.3 EXTERIOR - DRY METHOD (PERFORMED GLAZING)

- A. Cut glazing spline to length; install on glazing pane. Seal corners by butting spline and sealing junctions with butyl sealant.
- B. Place setting blocks at 1/4 points with edge block no more than 6 inches from corners.
- C. Rest glazing on setting blocks and push against fixed stop with sufficient pressure to attain full contact.
- D. Install removable stops without displacing glazing spline. Exert pressure for full continuous contact.

3.4 QUALITY CONTROL

A. Inspection will monitor quality of glazing.

3.5 CLEANING

A. Remove glazing materials from finish surfaces.

B. Remove labels after work is complete.

END OF SECTION