

SECTION 08220FIBERGLASS REINFORCED PLASTIC DOORS AND FRAMESPART 1 - GENERAL1.1 SECTION INCLUDES

- A. Fiberglass Reinforced Plastic Frames

1.2 RELATED SECTIONS

- A. Section 01340 - Submittals
- B. Section 03300 - Cast-in-Place Concrete
- C. Section 04200 - Unit Masonry
- D. Section 06100 - Rough Carpentry
- E. Section 07900 - Joint Sealers
- F. Section 08710 - Finish Hardware
- G. Section 08800 - Glass and Glazing

1.3 REFERENCES

- A. ASTM E84 - Test method for surface burning characteristics of building materials.
- B. ASTM D635 - Test method for rate of burning and/or extend and time of burning of self-supporting plastics in a horizontal position.
- C. ANSI - American National Standards Institute.
- D. ASTM E152
- E. Underwriters' Laboratories 10B.

1.4 PERFORMANCE REQUIREMENTS

- A. Flame spread under 25
- B. "R" Value 12

1.5 SUBMITTALS

- A. Submit product data under provision of Section 01340.
- B. Submit a complete frame schedule, large scale details of frame construction, indicating thickness of materials, reinforcing, cutouts and method of anchorage.
- C. Do not fabricate fiberglass reinforced plastic frames without final shop drawing review.
- D. Submit color chart indicating full color range for color selection by the Engineer.
- E. Submit for review a complete detailed finish hardware schedule. The finish hardware schedule shall contain a listing of the name of each manufacturer and the product listing for the series included in the hardware schedule.
- F. Provide catalog cuts on specified hardware.
- G. Provide manufacturer's installation instructions.

- H. Submit manufacturer's certificate that frames meet or exceed specified requirements.

1.6 QUALIFICATIONS

- A. Manufacturer's company specializing in the manufacture of the products specified in this section with a minimum of 12 standard colors available.
- B. The Fiberglass Reinforced Doors - Section 08220, Steel Doors and Frames - Section 08110, and the Finished Hardware - Section 08710 shall be provided by single supplier.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Deliver all materials to the site in sealed, undamaged containers with the manufacturer's name, project number, tag location, door type and color.
- B. Store materials in original cartons, on edge in such a way to prevent falling or damage to face, corners and edges.

1.8 WARRANTY

- A. Guarantee frames against failure due to corrosion for five (5) years from time of purchase.
- B. Guarantee closers for five (5) years from date of completion and acceptance of building.
- C. Installation shall be the responsibility of the General Contractor.

1.9 MAINTENANCE SERVICE

- A. Provide special wrenches and tools applicable to each different or special hardware component.
- B. Provide maintenance tools and accessories supplied by hardware component manufacturer.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Warminster Fiberglass
- B. Fiberglass Technology, Inc.
- C. Or equivalent.

2.2 MATERIALS

- A. Frames shall be fiberglass reinforced plastic.

2.3 FRAMES

- A. Door frame with stop and window frame with stop shall be molded in one piece.
- B. Reinforcing members shall be factory installed.

- 2.4 HARDWARE
- A. All hardware within the door or frame shall be factory installed.
 - B. Provide scheduled hardware as specified in Section 08710.

PART 3 - EXECUTION

- 3.1 EXAMINATION
- A. Verify that openings are ready to receive work.
 - B. Verify field measurements are as shown on Drawings.
 - C. Beginning of installation means installer accepts existing surface conditions.
- 3.2 INSTALLATION
- A. Installation shall be in strict compliance with manufacturer's written instructions.

END OF SECTION