

## SECTION 06610 - GLASS FIBER REINFORCED PLASTIC

## PART 1 - GENERAL

## 1.1 SUMMARY

- A. Section Includes: FRP plastic coated panels and accessories, furnished by Owner for installation by Contractor.
- B. Related Requirements:
  - 1. Appendix A - Products and Work by Owner or Separate Contractor.
    - a. General procedures related to Owner furnished products.
    - b. Manufacturers, suppliers, vendor contacts and product names and numbers related to Owner furnished products.

## 1.2 DELIVERY, STORAGE AND HANDLING

- A. Transport, handle, store, and protect products in compliance with the requirements of Section 01600.
- B. Receive Owner Furnished products as specified in Section 01600.
- C. Product Delivery: Owner's Supplier will deliver Owner furnished products to site to be received by Contractor. Contact Owner's Supplier to coordinate product delivery and installation.
- D. Acceptance at Site: Inspect products upon delivery to Site to verify quantity, and report discrepancies in quantity delivered or damage.
- E. Product Packaging: Products will be delivered in manufacturer's original packaging with identification markings on each component or package.
- F. Store in clean, dry, enclosed, and secure storage area. Store flat and in accordance with manufacturer's published requirements.
- G. Protect non-fiberglass reinforced plastic products and accessories, especially adhesive, from freezing temperatures, excessive heat, temperature fluctuations, humidity and moisture penetration.

## PART 2 - PRODUCTS

## 2.1 OWNER FURNISHED PRODUCTS

- A. Owner's Supplier will furnish FRP panels and accessories as specified in Appendix A (Section 06610) for installation by Contractor.

## PART 3 - EXECUTION

## 3.1 EXAMINATION

- A. Examine surfaces and adjacent areas where products will be installed and verify that surfaces conform to product manufacturer's requirements for substrate conditions. Do not proceed until unsatisfactory conditions have been corrected.
- B. Beginning of installation indicates acceptance of substrate conditions.

### 3.2 PREPARATION

- A. Where new FRP wall panels are to be installed, remove existing wall panels and/or finishes to base substrate prior to installation of new. Installation of new wall panels over existing is not acceptable, no exceptions.
- B. Prepare substrate for product installation in accordance with manufacturer's published instructions.

### 3.3 INSTALLATION

- A. FRP Panels:
  - 1. Install FRP wall panels in accordance with manufacturer's published instructions.
  - 2. Prefit each wall panel before securing in place. Cut panels with carbide-tipped power saw or swivel-head shear.
  - 3. Provide manufacturer's recommended spacing between abutting panel ends, edges and trim. Provide minimum 1/8 inch space around pipes, electrical fittings, obstructions and other items penetrating panels. Fill joints with sealant.
  - 4. Install panels with edges vertical and plumb. Use maximum length pieces to provide minimum number of end joints.
    - a. Align panel to panel vertical joints at inside and outside corner conditions.
  - 5. Substrate: Apply adhesive to substrate and to panel backs as recommended by manufacturer with V-notch spreader. Provide 100 percent coverage of adhesive.
  - 6. Install accessory panel trim pieces concurrently with installation of panels. Miter cut accessory panel trim at corners to provide smooth transition. Set trim attached to adjacent panel ends and edges and seal with sealant.
  - 7. Seal corner seams, base and ceiling junctures, and junctures between panels and wall with sealant. Remove excess sealant during installation.
  - 8. Provide sealant around all openings, corners, and joints.

### 3.4 FIELD QUALITY CONTROL

- A. Inspect installation, accessories, and fastening to substrate.

END OF SECTION