

## **Guide Specification**

**Section 129300** Site Furnishings

**Section 129200** Interior Planters

### **Tournesol Siteworks GFRC Planters, Saucers, and Site Furnishings**

#### **1.0 GENERAL**

##### **1.1 WORK INCLUDED**

A. Provision of lightweight concrete planters, saucers, and sitefurnishings.

##### **1.2 RELATED WORK**

A. Section 03300 Cast-in-Place concrete

B. Section 06100 Rough Carpentry

C. Section 06200 Finish Carpentry

##### **1.3 SUBMITTALS**

A. Product Data: Manufacturer's standard catalog cut sheets.

B. Samples: As required for color selection or material thickness only.

C. Shop Drawings: For custom applications, showing critical sizes and dimensions for installation and integration with other work.

##### **1.4 DELIVERY, STORAGE AND HANDLING**

A. Inspect GFRC products after delivery for signs of damage during transit.

B. Protect planters and site furnishings from damage during storage and handling.

C. Store planters and planter liners out of harm's way, in their original packaging.

##### **1.5 PROJECT CONDITIONS**

A. Contractor to provide adequate structural support for planters and site furnishings.

B. Protect units from damage by adjacent work. Clean units with water spray to remove workplace dust.

#### **2.0 PRODUCTS**

##### **2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS**

A. GFRC planters, saucers and site furnishings, manufactured by Tournesol Siteworks, 30955 San Antonio Rd., Hayward, CA 94544 Tel: (800) 542-2282 FAX (510) 471-6243

##### **2.2 GFRC PLANTERS AND PLANTER LINERS**

###### **A. Materials**

1. Portland Cement: ASTM C150, Type I, II, or III.

2. Glass Fibers: Alkali resistant, with a minimum zirconia content of 16 percent, 1 to 2 inches long, specifically produced for use in GFRC.

3. Sand: clean silica, complying with composition requirements of ASTM C144; passing No. 30 sieve with a maximum of 2 percent passing No. 100 sieve.

4. Coloring Admixture: ASTM C979, synthetic mineral-oxide pigments or colored water-reducing admixtures, temperature stable, nonfading, and alkali resistant.

5. Water: Potable; free from deleterious material that may affect color stability, setting, or strength of GFRC ..
6. Polymer Curing Admixture: Acrylic thermoplastic copolymer dispersion complying with PCI MNL 130.

#### B. Construction

Architectural parts shall be fabricated by spray laminate method using suitable molds to attain the desired surface finish. The finished face mix shall be not less than 1/8" thick and thicker in those areas requiring additional structural strength. Where ribs or stiffeners are to be fastened to liner sections by spray laminating over premolded forms, the stiffeners or ribs shall be located and spray laminated into position before the section to which they are to be attached has passed the state of curing, and the finished joint shall be strong and durable.

1. Backing Mix: Proportion backing mix of portland cement, glass fibers, sand, and admixtures to comply with design requirements. Provide nominal glass-fiber content of not less than 5 percent by weight of total mix.
2. Face Mix: Proportion face mix of portland cement, sand and admixtures to comply with design requirements.
3. Polymer Curing Admixture: 6 to 7 percent by weight of polymer curing admixture solids to dry portland cement.
4. Coloring Admixture: Not to exceed 10 percent of cement weight.

D. Finish: specified finish; factory finished.

E. Sealing: Planters are to be dampproofed on the interior. Site furnishings and planters in the acid-etch finish are to be sealed, adding a mild sheen to the finish. Travertine products remain unsealed.

E. Sizes: Modular units fabricated to size by manufacturer as required to fill specified areas. Refer to catalog for standard sizes.

### 2.3 PLANTER ACCESSORIES (OPTIONAL)

A. Field installed drainage/irrigation holes. Drainage holes may be pre-drilled by factory, to specified location determined by client.

B. Drainage control products, including pump-out pipe, sleeved corrugated drainage pipe, and, if necessary, overflow drains and atrium drain covers.

### 2.3 SITE FURNISHING ACCESSORIES (OPTIONAL)

A. Anchoring elements to fasten benches and tables to surface. See specific product detail for exact type of anchor, mounting points.

B. Skateboard deterrent stops available for GFRC benches and stools as required.

## 3.0 EXECUTION

### 3.1 PREPARATION

A. Prior to fabrication, the contractor shall verify as-built dimensions of area for products to ensure proper size, fit and quantity required.

B. Unless planters have drainage fittings as in 2.3.A, drainage holes to be located and made by contractor in the field to fit to drainage system.

### 3.2 INSTALLATION

- A. Move product into position on pallets, where possible. Otherwise, slings are required, and must wrap the product fully.
- B. Provide continuous basal support for product.
- B. Install product level (or shim to level) to permit adequate drainage and irrigation.
- C. Refer to product detail and manufacturer instructions to determine proper location for anchor points. Use manufacturer template if available.