

Planters Unlimited GFRC Planters & Furnishings

Guide Specifications

(Section 129300 Site Furnishings)

1.0 GENERAL

1.1 SCOPE OF WORK INCLUDED

- A. Provision of glass fiber reinforced cement “GFRC” planters and furnishings.

1.2 RELATED WORK

- A. Section 033000 Cast-in-Place concrete
- B. Section 061000 Rough Carpentry
- C. Section 062000 Finish Carpentry

1.3 SUBMITTALS

- A. Provide samples for confirmation of color, finish and texture selection.
- B. Provide manufacturer’s fabrication drawings detailing dimensions of all products.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Items are packed individually separately from other items to allow for protected transport to the install site.
- B. Note any damage to exterior of packaging before accepting shipment. Carefully unwrap and inspect all products upon delivery.
- C. Protect all products from damage during storage and handling.
- D. Store planters and furnishings in a protected environment. Do not place other items on planters or furnishings.

1.5 PROJECT CONDITIONS

- A. Contractor to provide adequate structural support for planters and furnishings. Unless otherwise specified, planters and liners should have continuous basal support. If elevating planter on intermittent pedestals additional reinforcing may be required.
- B. Protect units from damage by adjacent work and during installation.
- C. Plant selections must be made ensuring expected mature root ball size does not exceed the capacity of the planter.

2.0 PRODUCTS

2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS

- A. Glass fiber reinforced cement “GFRC” planters and furnishings, manufactured by
Planters Unlimited
6056 Corte Del Cedro, Carlsbad, CA 92011,
888-320-0626 sales@plantersunlimited.com

2.2 GFRC PLANTERS AND FURNISHINGS

- A. Materials - All parts shall be constructed of glass fiber reinforced cement using spray- layup methods.
 - 1. Glass fibers shall be Nippon Electric or equal.
 - 2. Cement shall be Portland Type I and shall be infused with acrylic polymer, crushed stone and silica sand.
 - 3. Color and texture to be selected from manufacturer's options or to match Architect's sample. Applied finishes are hand-applied and will vary by item based on texture, batch or lighting conditions.
 - 4. There should be no significant change in appearance after 200 hours accelerated weathering conducted in accordance with ASTM G 23.
 - 5. Pads: 1/4" Pads are standard on all items to avoid floor & item damage.
 - 6. Sealer: A clear, water based sealer is applied at the factory. Reapply sealer every 3-5 years or as needed. Sealer can be sprayed, blotted or brushed.
- B. Material Properties:
 - 1. Thickness of product: 3/8" - 1", appropriately based on item size and reinforcement.
 - 2. Product density: 130 PCF.
 - 3. Tolerance of 1/8" maximum from dimensions indicated on drawings.
 - 4. Flexural Strength: 1000 to 1800 PSI.
 - 5. Compressive Strength: 5000 PSI.
 - 6. Modulus of Elasticity: 200 KSI
- C. Sizes:
 - 1. GFRC items are molded and require tooling to custom size. Standard sizes per current offering.

Section 2.3 – Accessories

- A. Planters:
 - 1. Watering Reservoirs
 - 2. Casters
 - 3. Forklift Knockouts
 - 4. Toe Kick Lighting
 - 5. Trellis & Trellis Attachment Systems
 - 6. False Bottoms & Removable Liners
 - 7. Integrated Benches & Seating
 - 8. Accessory Cutouts
 - 9. Waterproofing
 - 10. Drop Walls / Scoops
- B. Refuse:
 - 1. Plastic Liners
 - 2. Ash/Trash Lids
 - 3. Rain Hoods

3.0 EXECUTION

3.1 PREPARATION

- A. Transport and handle product with care so that excessive stresses or impacts do not occur.
- B. Store product on a level surface with continuous basal support.
- C. Plan for delivery labor appropriate to your product weight and delivery site. If a forklift is not available, it may require several laborers to unload large items.

- D. Consider limited access issues moving items from the delivery staging area to the install site. Stairways, elevators and doorways can be limiting factors. Craning large items into limited access spaces is common.

3.2 INSTALLATION & CARE

- A. Install product level with adequate drainage.
- B. Provide shims where necessary.
- C. Regular cleaning should be done using a microfiber towel and clean water or using a neutral PH soap.
- D. Stains can be addressed using a Magic Eraser or Barkeepers Friend. Note: These more caustic cleaners may require the item to be resealed after cleaning. Always test on a small non-visible area.
- E. Touchup kits are available.

3.3 PROTECTION

- A. Protect installed products to ensure that they will not be damaged by construction dust or debris.