

STONE YARD

Stone Yard Inc Fiberstone Planters & Furnishings Guide Specifications (Section 129300 Site Furnishings)

1.0 GENERAL

1.1 WORK INCLUDED

- A. Provision of Fiberstone 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 inspect all products upon delivery.
- C. Protect all products from damage during storage and handling.
- D. Store planters and furnishings indoors 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.

2.0 PRODUCTS

2.1 ACCEPTABLE PRODUCTS/MANUFACTURERS

A. Fiberglass planters and furnishings, manufactured by Stone Yard Inc. 6088 Corte Del Cedro, Carlsbad, CA 92011, 877-595-9732, sales@stoneyardinc.com

2.2 FIBERSTONE PLANTERS AND FURNISHINGS

A. Materials - All parts shall be constructed of an aggregate polymer mixture backed by glass fiber reinforced polyester resin using either a spray-layup or a hand-layup method.

1. Glass fibers shall be Owens Corning or equal.
2. Fiberglass backing to be a minimum of 4.5 oz. density. Thicker backing is used on larger items as appropriate. No less than 3/16" thick.
3. Stiffeners made of FRP and additional reinforcement to be installed as necessary to prevent deflection. Deflection of product shall be less than L/250 when loaded with 80 PCF (pounds per cubic foot) soil.
4. 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.
5. There should be no significant change in appearance after 200 hours accelerated weathering conducted in accordance with ASTM G 23.
6. Pads: 1/8" Pads are standard on all items to avoid floor & item damage.
7. 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.
8. Tolerance: +/- 1/8" from dimensions indicated on drawings

B. Material Properties:

1. Hardness, Barcol: 48-52
2. Product density: 180 PCF
2. Compressive Yield Strength: >25,000 psi.
3. Tensile Strength: 12,000 psi.
4. Flexural Yield Strength: > 26,300 psi.
5. Shear Strength: 7,500 psi.
6. Modulus of Elasticity: 1000 KSI
6. Vertical wall panels will deform less than the length of the planter divided by 250 (L/250) when filled with 85 lb/cbft soil.

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 Trim / Scoops
- B. Tables/Tabletops:
 - 1. Attachment Hardware
 - 2. Brass Lined Umbrella Holes
 - 3. Most Table Bases can be adjusted +/- 2" height without tooling
- C. Refuse:
 - 1. Cable Attachment
 - 2. Plastic Liners
 - 3. Ash/Trash Lids
 - 4. 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.