

**DIVISION 12 00 00**  
SECTION 12 93 00  
SECTION 12 93 23

**FURNISHINGS**  
SITE FURNISHINGS  
TRASH AND LITTER RECEPTORS  
**ORBIT LITTER & RECYCLING RECEPTACLE**

**Part 1 General**

01. Summary

A. Section Includes:

1. Single-Stream receptacle, Stainless Steel, (1) 30-gallon liner.
2. Split-Stream litter & recycling receptacle, Stainless Steel, (2) 13-gallon liners.
3. Single-Stream receptacle, Fused Metal, (1) 30-gallon liner.
4. Split-Stream litter & recycling receptacle, Fused Metal, (2) 13-gallon liners.

02. Submittals

A. Provide submittals in accordance with Section 01 33 00 – Submittal Procedures.

B. Product data:

1. Manufacturer's standard product literature.
2. Shop drawings.
3. Installation instructions.
4. Maintenance instructions.

03. Quality Assurance

A. Manufacturer Qualifications:

1. Minimum 15 years experience in the manufacture of litter and recycling receptacles.
2. Provide reference list of at least ten major transportation authorities, municipalities, universities, or other high-use public environments currently using litter and recycling receptacles fabricated by the manufacturer.

04. Delivery, Storage and Handling

- A. Handle products in accordance with manufacturer's instructions.
- B. Store products in manufacturer's original packaging until ready for installation.
- C. Protect products from impacts and abrasion during storage.

05. Warranty

A. Provide manufacturer's standard warranty.

1. Warranty terms: one year from date of invoice against defects in materials and workmanship.

**Part 2 Products**

01. Manufacturer:

A. Basis-of-design product: provide receptacle(s) based on the product named:

1. Orbit Litter & Recycling Receptacle by Forms+Surfaces
2. Manufacturer Contact:  
Forms+Surfaces  
30 Pine Street  
Pittsburgh, PA 15223

phone: 800-451-0410  
fax: 412-781-7840  
email: sales@forms-surfaces.com  
website: www.forms-surfaces.com

## B. Receptacles

### 1. Materials:

- a. Frame: cast aluminum top and bottom rings with stainless steel supports.
- b. Outer walls (Choose one):
  - 1) Stainless Steel.
  - 2) Forms+Surfaces Fused Bronze.
  - 3) Forms+Surfaces Fused Nickel Silver.
- c. Lid: cast aluminum.
- d. Base: black recycled rubber.
- e. Liners: black polyethylene with UL94HB fire rating.
- f. Hardware and hinges: stainless steel.

### 2. Finishes:

- a. Main panels (Choose one finish below. Main Panel material must be the same as Accent Panel material.):
  - 1) Stainless Steel, Sandstone.
  - 2) Stainless Steel, Seastone.
  - 3) Stainless Steel, Linen.
  - 4) Stainless Steel, Diamond.
  - 5) Stainless Steel, Satin.
  - 6) Fused Bronze, Sandstone.
  - 7) Fused Bronze, Seastone.
  - 8) Fused Bronze, Diamond.
  - 9) Fused Nickel Silver, Sandstone.
  - 10) Fused Nickel Silver, Seastone.
  - 11) Fused Nickel Silver, Diamond.
- b. Accent panels (Choose one finish below. Accent Panel material must be the same as Main Panel material.):
  - 1) Stainless Steel, Sandstone.
  - 2) Stainless Steel, Sandstone, Ladder Perforation.
  - 3) Stainless Steel, Sandstone, Scape Perforation.
  - 4) Stainless Steel, Seastone.
  - 5) Stainless Steel, Seastone, Ladder Perforation.
  - 6) Stainless Steel, Seastone, Scape Perforation.
  - 7) Stainless Steel, Seastone, CrissCross Eco-Etch.
  - 8) Stainless Steel, Seastone, Seagrass Eco-Etch.
  - 9) Stainless Steel, Linen.
  - 10) Stainless Steel, Linen, Ladder Perforation.
  - 11) Stainless Steel, Linen, Scape Perforation.

- 12) Stainless Steel, Diamond.
- 13) Stainless Steel, Diamond, Ladder Perforation.
- 14) Stainless Steel, Diamond, Scape Perforation.
- 15) Stainless Steel, Satin.
- 16) Stainless Steel, Satin, Ladder Perforation.
- 17) Stainless Steel, Satin, Scape Perforation.
- 18) Stainless Steel, Satin, CrissCross Eco-Etch.
- 19) Stainless Steel, Satin, Seagrass Eco-Etch.
- 20) Fused Bronze, Sandstone.
- 21) Fused Bronze, Sandstone, Ladder Perforation.
- 22) Fused Bronze, Sandstone, Scape Perforation.
- 23) Fused Bronze, Seastone.
- 24) Fused Bronze, Seastone, Ladder Perforation.
- 25) Fused Bronze, Seastone, Scape Perforation.
- 26) Fused Bronze, Seastone, CrissCross Eco-Etch.
- 27) Fused Bronze, Seastone, Seagrass Eco-Etch.
- 28) Fused Bronze, Diamond.
- 29) Fused Bronze, Diamond, Ladder Perforation.
- 30) Fused Bronze, Diamond, Scape Perforation.
- 31) Fused Nickel Silver, Sandstone.
- 32) Fused Nickel Silver, Sandstone, Ladder Perforation.
- 33) Fused Nickel Silver, Sandstone, Scape Perforation.
- 34) Fused Nickel Silver, Seastone.
- 35) Fused Nickel Silver, Seastone, Ladder Perforation.
- 36) Fused Nickel Silver, Seastone, Scape Perforation.
- 37) Fused Nickel Silver, Seastone, CrissCross Eco-Etch.
- 38) Fused Nickel Silver, Seastone, Seagrass Eco-Etch.
- 39) Fused Nickel Silver, Diamond.
- 40) Fused Nickel Silver, Diamond, Ladder Perforation.
- 41) Fused Nickel Silver, Diamond, Scape Perforation.

c. Lid and base (Select one option below):

- 1) Standard Texture from Forms+Surfaces Powdercoat Chart.
- 2) Premium Texture from Forms+Surfaces Powdercoat Chart.
- 3) Custom RAL powdercoat color.

d. Base: black recycled rubber.

3. Dimensions (Select model(s) below):

a. Single-Stream receptacle:

- 1) Overall: 21.6" wide x 17.6" deep x 32.1" high (without levelers).
- 2) Nominal capacity: 30 gallons.
- 3) Weight: 77 lbs.

- b. Split-Stream litter & recycling receptacle:
  - 1) Overall: 21.6" wide x 17.6" deep x 32.1" high (without levelers).
  - 2) Nominal capacity: 26 gallons (uses two 13-gallon liners).
  - 3) Weight: 77 lbs.
- 4. Instructional Graphics:
  - a. Apply instructional graphics to lids as specified to indicate the intended waste or recycling stream.
    - 1) Graphics type: back-printed polycarbonate.
    - 2) Letters and symbols color: White.
    - 3) Graphics background colors:
      - 1. Black.
      - 2. Blue.
      - 3. Green.
- 5. Installation (Select one below):
  - a. Freestanding (provide levelers when freestanding is specified).
  - b. Surface mount (provide installation hardware when surface mount is specified).

### **Part 3 Execution**

#### 01. Examination

- A. Verify that substrates are stable and capable of supporting the weight of items covered under this section.
- B. Verify that substrates have been adequately prepared to securely anchor those items that will be surface mounted.

#### 02. Installation

- A. Install according to the manufacturer's installation instructions.
- B. Install in conformance to applicable ADA guidelines and End User's established Accessibility policies.

**END OF SECTION**