

DIVISION 12 00 00 FURNISHINGS
SECTION 12 93 00 SITE FURNISHINGS
SECTION 12 93 43 SITE SEATING AND TABLES
SECTION 12 93 43.13 SITE SEATING
DASH BENCH

Part 1 General

01. Summary

A. Section Includes:

1. Backless bench, aluminum frame, TENSL Ultra High Performance Concrete top.

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.

C. Submit finish samples for approval.

03. Quality Assurance

A. Manufacturer Qualifications:

1. Minimum 15 years experience in the manufacture of site seating.
2. Provide reference list of at least ten major transportation authorities, municipalities, universities, or other high-use public environments currently using site seating 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 backed and/or backless benches based on the product named:

1. Dash Bench 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. Benches

1. Materials:
 - a. Bench frame: aluminum
 - b. Bench top: TENSLE glass fiber reinforced ultra high performance concrete (UHPC).
 - 1) TENSLE Material Performance Characteristics:
 1. Compressive Strength: ? 18,275 lbs./in² (126 MPa).
 2. Flexural Strength: ? 2,756 lbs./in² (19 MPa).
 3. Tensile Strength: 1,160 lbs./in² (8 MPa).
 4. Water Absorption: < [measurable limit (kg/m x h0.5)] [3.5%].
 - c. Fasteners: stainless steel.
 - d. Mounting brackets (optional): stainless steel.
2. Finishes:
 - a. Bench frame: polyester powdercoat (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.
 - b. Bench top: intrinsic UHPC finish, Natural color with invisible hydrophobic treatment.
3. Dimensions and Weight:
 - a. 72" long x 20.5" deep x 18" high.
 - b. 172 lbs.
4. Mounting:
 - a. Freestanding.
 - b. Surface mount. Provide stainless steel 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