



ACCESSDECK® – ABA / ADA compliant & Vehicular Beach Access Routes HDPE Mats (F248) Specifications for Bid.

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SECTION 1 – GENERAL

SUBMITTALS:

With the bid, provide the following:

PRODUCT DATA:

Submit manufacturer's product literature indicating materials, specification, and other information required to demonstrate compliance with these requirements

SAMPLES:

Samples must be submitted with the bid including, but not limited to a minimum of 5" x 4" material sample. These samples shall be representative of the actual technical and design characteristics of the product with appropriate materials as specified.

ACCESSIBILITY:

Materials shall be 100% accessible via wheelchair, beach access chair, walker, stroller, or other wheeled pedestrian assistance vehicles. Even though there is no slip resistance requirement when creating an ADA / ABA compliant & vehicular beach access route, AccessDeck® shall pro-vide a firm and non-slip surface providing the beach site complies with the ABA / ADA rules in general.

WARRANTY:

Provide a certificate of warranty that meets or exceeds the requirements below. A six (6) years warranty shall be provided from the date of invoice. Should the AccessDeck® material fail within the first seven years of use, the mat will be replaced or repaired by the product manufacturer. Cosmetic issues and wear due to normal usage are not considered a defect in material or workmanship. Damage caused by vandalism or usage other than that which the product is intended for use shall not be included in this warranty. Accessories are not covered under the warranty.



SECTION 2 – PRODUCTS

VENDOR:

The following beach access mats specifications are based on those provided by [AccessRec LLC](#). The brand specified is [ACCESSDECK®](#), material used to create ADA / ABA compliant and vehicular beach access route as supplied by AccessRec LLC. - 55 Park Slope – Clifton, NJ 07011 - USA, Tel: +1-973-955-0514 - Fax: +1-201-624-7007. Any proposal shall meet or exceed the specifications herein as determined by the owner or the owner's representative. Submittal packages that do not include all the required information will be returned and will not be considered for use.

MATERIAL CHARACTERISTICS:

PRODUCT: AccessDeck®

AccessDeck® is currently the only durable high-density polyethylene (HDPE) panel system offered with the following characteristics:

WEIGHT: 69 lbs.

DIMENSIONS: 4ft x 6ft.
½" thick at the core.

COLOR: Tan or Blue





BEACH ACCESS MATTING DESIGN FEATURES:

ABA BEACH ACCESS ROUTES COMPLIANT (F248):

Even though there is no slip resistance requirement when creating an ABA / ADA compliant beach access route, AccessDeck® shall provide a firm and non-slip surface providing the beach site complies with the ABA / ADA rules in general. AccessDeck® material and accessories should be **100% barrier / obstacle free** to meet the ADA guidelines.

DURABILITY:

AccessDeck® shall be a **durable material** that withstands the environmental elements as well as extensive, wheelchair, pedestrian and vehicular traffic, **up to 80 tons**.

AccessDeck® is constructed using a **high-density polyethylene (HDPE)** material recognized for its strength-to-density ratio.

This provides a firm support base and traction for a wide variety of recreational activities; in addition, its chemical and weather capabilities, along with its **UV protective additives**, help preserve and protect AccessDeck® from any damage or deterioration caused by elements outdoor.

AccessDeck® will not warp, rot, crack, or delaminate and can sustain extreme temperature.

VERSATILITY:

One of the most exciting features of AD is its **reversible capability**. AD has a unique integrated tread pattern molded onto each side of the plate to serve a multi-purpose solution. This capability is ideal for situations where the need for wheelchair and pedestrian access is present; however, a rugged tread design may, at one point, be desired.

- On one side AccessDeck® offers a wheelchair/pedestrian friendly, non-slip tread design to guarantee a **safe and comfortable access way** while still providing a traction-resistant surface for pedestrians, wheelchairs, vehicles and/or equipment.
- The second design is AccessDeck® standard **rigid surface that offers additional mat traction to the ground**, helping to prevent mat slippage or spin out. This design is specific to larger vehicular traffic (i.e. machine equipment and ATVs).

MAINTENANCE FREE:

The matting material shall require **little or no maintenance** under normal conditions. The use of a broom, blower or pressure washer shall be the only equipment required to clear the surface of any debris, should any accumulate.

REMOVABILITY:

AccessDeck® shall be easily removable to comply with environmental requirements by being viewed as a temporary access material. The dimensions of AccessDeck® make it more manageable and transportable. The installation and removal process are both quick and easy and requires no more than 2 people to complete the job (no tools or machinery necessary!). AccessDeck® consumes less space, it is easier to store and ship and, therefore, the overall cost is less.



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**VISIBLE PATHWAY:**

AccessDeck® is offered in blue color to provide a more visible path to people with visible impairments, or in tan color to create a pathway that better blends to the landscape.

FABRICATION: All components shall arrive fully factory fabricated and ready for installation.

MATTING MATERIAL:

AccessDeck® is a high-quality mat engineered to provide safe ground protection and to facilitate movement for both pedestrian and vehicular traffic across a large range of, otherwise, unstable surfaces (e.g. sand and mud) on flat or incline surfaces. AccessDeck® acts as either a temporary or permanent pathway/roadway.

AccessDeck® is **100% recyclable**.

AccessDeck® is currently the **only durable** high-density polyethylene (HDPE) panel system offered in blue or tan color in dimensions of 4ft x 6ft. Sections are ½" thick at the core. A standard panel weighs 69lbs;

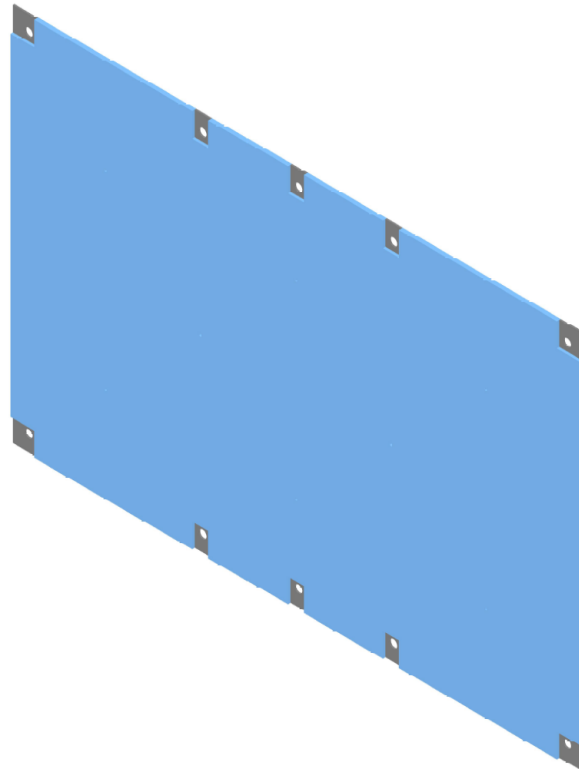
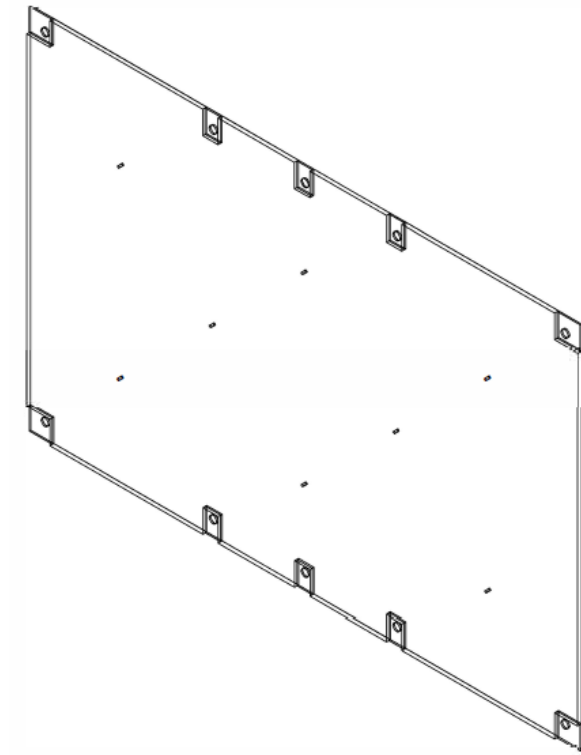
In addition, it contains **10 recessed connections** holes, one at each corner, and **6 additional connection holes** (3 each at the center of the 6ft side) plus **8 other drainage holes**. These allow panels to be connected in either direction and to be rotated at 90-degree angles as required.

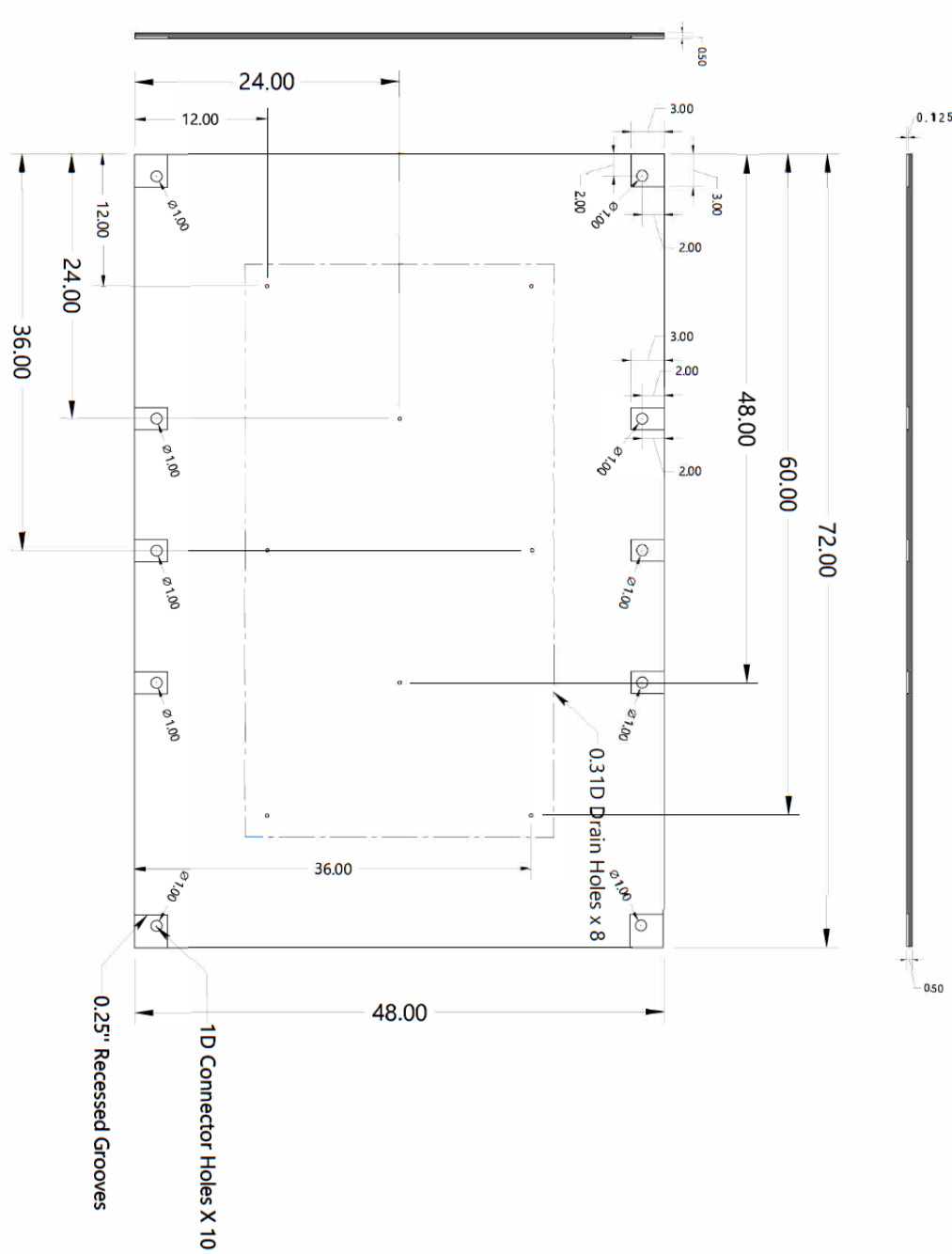
No other existing HDPE panel system can legitimately claim this.



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TECHNICAL CHARACTERISTICS:

GENERAL:

| | |
|---|-----------|
| Weight | 69lbs |
| Thickness: | 0.5in |
| Composition | 100% HDPE |
| High strength | |
| Durability, smoothness and reversible capability | |
| 10 connection holes | |
| 6 additional holes for multi-configurations. | |
| 8 other drainage holes | |
| Completely rot proof & rust proof. crack, or delaminate | |

Test result in accordance with ASTM D4703

| Property* | ASTM Test Method | Typical Values | |
|--|------------------|--------------------------|--------------------------|
| | | English Units | Metric Units |
| Physical Properties | | | |
| Density | D1505 | 59.6 lbs/ft3 | 0.955 g/cc |
| Melt Index, Condition 190 OC / 2.16 kg | D1238 | | 0.25 g/10 min |
| Polyethylene Classification | D4976 | Group 2, Class 3,Grade 5 | Group 2, Class 3,Grade 5 |
| Mechanical Properties | | | |
| Tensile Strength @ Yield | D638 | 4000 psi | 27.6 MPa |
| Ultimate Elongation | D638 | > 600% | > 600% |
| Tensile IMPact Strength | D1822 | 70 ftlbf/in2 | 147 KJ/m2 |
| Notched Izod IMPact Strength | D256 | 2.99 ftlbf/in | 159 J/m |
| Compressive Stress @Yield | D695 | 1,500 psi | 10.3 MPa |
| ESCR, Condition A (10% Igepal), F50 | D1693 | 45 hours | 45 hours |
| ESCR, Condition B (100% Igepal),F50 | D1693 | 35 hours | 35 hours |
| Durometer Hardness | D2240 | 64 Shore D | 64 Shore D |
| Flexural Modulus | D790 | 200,000 psi | 1379 MPa |
| Coefficient of Friction, Static | D1894 | 0.31 | 0.31 |
| Coefficient of Friction, Kinetic | D1894 | 0.22 | 0.22 |



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| Thermal Properties | | | |
|--|-------------------|--------------------|---------------------|
| Coefficient of Linear Thermal Expansion | E831 | 7 X 105 in/in/oF | 1.26 X 104 cm/cm/oC |
| Decomposition Temperature | Union Carbide | ~ 650 oF | ~ 345 oC |
| Vicat Softening Temperature | D1525 | 257 oF | 125 oC |
| Heat Deflection Temperature @66 psi | D648 | 171 oF | 77 oC |
| Brittleness Temperature | D746 | < 120 oF | < 84 oC |
| Glass Transition Temperature | Union Carbide | 193 oF | 125 oC |
| Continuous Use Temperature | | 100 oF to 180 oF | 73 oC to 82 oC |
| Thermal Conductivity | Private Test | 2.5 Btuin/hft2oF | .35 W/moK |
| Burn Rate | D635 | 1 in/min | 25.4 mm/min |
| Ignition Temperature, Flash Conditions | D1929 | 645 oF | 341 oC |
| Ignition Temperature, Self Ignition Conditions | D1929 | 660 oF | 349 oC |
| Flame Spread | E84 Tunnel Test | 98 | 98 |
| Smoke Developed | E84 Tunnel Test | 350 | 350 |
| Fire Rating | Underwriters Labs | UL94HB | UL94HB |
| Electrical Properties | | | |
| Dielectric Strength | D149 | 510 V/mil | 20.1 KV/mm |
| Dielectric Constant | D150 | 2.35 | 2.35 |
| Volume Resistivity | D257 | > 2.3 X 1015 ohmin | > 6 X 1015 ohmcm |

OTHER ACCESSDECK® ACCESSORIES:

Single galvanized steel AccessLink



Double galvanized steel AccessLink