

Professional Panel

UltraBaseSystems is first and foremost a STRUCTURALLY engineered sub base replacement system which successfully addresses the safety, drainage and aesthetic demands of an entire industry. From athletic fields to residential landscaping installations, putting greens to pet areas, concrete paver installations to athletic courts, UBS Professional Panels cover all of your base requirements.

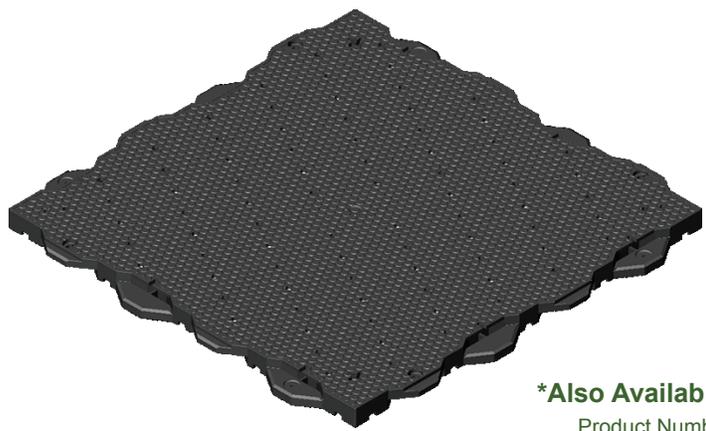
Part Number: UBSPRO

Panel Dimensions: Actual panel dimension: 30" x 30" x 1.25"/762mm x 762mm x 31.6mm | Square footage area once installed: 28" x 28" x 1.25"/ 711.2mm x 711.2mm x 31.6mm = 5.44 ft.² / 505 sq m

Panel Weight: Average panel weight: 1.67 pounds/.748kg per sq ft 9.1 lbs /4.12 kg per panel

US Patent # 7,516,587 | US Patent # 7,930,865 | CA Patent #2,663,050 | RA Patent #2410508 | Additional US and Foreign Patents Pending

Isometric View, Top of Panel



Isometric View, Bottom of Panel



***Also Available with Golf Cup Hole**
Product Number:UBSPROCUPHOLE

The structural superiority of the panel is designed to dramatically reduce or in many cases eliminate the need for extensive site preparation both indoors and outdoors, creating a base structure capable of supporting enormous loads while providing greatly improved GMAX and HIC impact numbers resulting in SAFER and more predictable playing surfaces. Large water flow volumes, both vertically and horizontally, are achieved with UBS, creating a base system capable of rapidly directing rainwater away from the turf, keeping players, pets & family members high and dry.

Pallet and Box Dimensions and Volumes:

Box of 8: 32"x31"x12"--75lbs 81cm x 78cm x 73cm
Pallet of 36: 58"x 30"x29" -- 378 lbs 147cm x 76cm x 73cm 171 kg
Pallet of 70: 58"x30"x52" -- 698 bs 147cm x 76cm x 132 cm 316kg

Truck & Container Volumes:

20ft. Container: 1,432 panels=7,790 sq ft./723 sq. m. | 40ft. High Cube: 3,316 panels=18,039 sq. ft./1675 sq. m.
53ft. Truck: 4,560 panels = 24,806 sq. ft./2304 sq. m.

**All Measurements are per truck*



UltraBaseSystems® Professional Panel At a Glance

GMAX

When installed on a compacted stone base without turf, UltraBaseSystems Professional Panel achieves a GMAX rating of **133**.

ASTM and FIFA Standards

When paired with an approved turf/infill system, UltraBaseSystems Champion Panel meets or exceeds ASTM, FIFA* and FIFA** standards for GMAX, Vertical Deformation, Force Reduction, Energy Restitution and Rotational Resistance. Independent test results are available at: www.UltraBaseSystems.com/panel-technology/test-results

Vertical Drainage

Single panel flow rate 341 inches per hour (866 cm/hr).

Horizontal Evacuation Rate

Single panel rain fall evacuation 96.4 inches per hr (245 cm/hr).

Load Capacity

Static load capacity for the weakest location of the panel is equivalent to 1335 psi (93.86 kgf/cm²) at 70°F (21°C). Load values when placed over a full descending cellular rib 1664 psi (117 kgf/cm²).

Shear Resistance

UBS patented turf barbs provide 3x the grip strength for turf stability as compared to a rock base.

Vertical Ball Bounce Soccer

The result for all of these tests performed met the requirements for a STC Stadium Field. The requirements for a STC Stadium field are the same as those specified in the FIFA2* Standard.

Vertical Ball Bounce Baseball

The average for synthetic grass field was 0.241m (.791ft). The adjacent natural turf field was subject to two drop locations for comparison purposes. The average at each location was 0.223m (.732ft) and 0.23m (.754ft) with an average of 0.227m (.745ft).

Ball Roll Test

The result for all of these tests performed met the requirements for a STC Stadium Field. The requirements for a STC Stadium field are the same as those specified in the FIFA2* Standard.

Storage Capacity

Single panel fluid storage capacity = 3.58 gallons (13.55 L).

Expansion

IBT patented locking feature allows adequate expansion between panels to prevent panel distortion when properly installed. Expected expansion per panel at 140°F (60°C) is 3/32" (.24 cm).

Displacement

UBS Pro panel yielded 50-53% less deflection under vehicular load than 6 inches (15.24 cm) of 95% compacted stone.

Insulation/R Factor

Complete UBS System with turf R3.44.