



## TEST REPORT

<b>CLIENT:</b>	Creative Sports Concepts	<b>REPORT NUMBER:</b>	47356R
	Innovative Base Technologies, LLC	<b>LAB TEST NUMBER:</b>	2133-1698
	5030 Seminole Blvd	<b>DATE:</b>	March 4, 2010
	St Petersburg, FL 33708	<b>REQUESTED BY:</b>	Dave Barlow

**Test System:** Turf Description: Duraspine Pro I  
 Infill System: 1.0 lbs/ft<sup>2</sup> Sand (Bottom Layer) + Rubber/Sand Mix to ¾" Exposed Tuft Height  
 Panel: New Field Panel (CTC Blend)  
 Liner: 4.5 oz Geotextile

**Test Scope:** This test method determines rainfall drainage capacity (permeability) of submitted turf with attached padding.

**Test Method:** ASTM F1551-03: Standard Test Methods for Comprehensive Characterization of Synthetic Turf Playing Surfaces and Materials: Suffix-DIN 18-035, Part 6: Water Permeability of Synthetic Turf Systems and Permeable Bases

**Test Equipment:** Tube: 10.75" OD 10.00" ID 8" Length (Beveled)  
 Tube Weight: 39 lbs  
 Tube Flow Head: 2 Gallons  
 Tube Index Mark: 6"  
 Flange: 9.375" Diameter

**Test Sampling:** # of Specimens: (1) 11.5" Diameter  
 Pre-Conditioning: 70°F 65% RH for 24 Hours Minimum

**Test Procedure:** A specimen, 11.5" diameter, was die cut from the turf roll and infilled with a sand bottom layer and rubber/sand mix top layer. The turf/infill specimen was placed on top of the panel (center), with the geotextile liner positioned underneath the panel. The tube was placed directly on top of the turf and twisted to work down into the surface. Two 25 lb weights were then placed on top of the tube to further seal any lateral flow of water under the turf / liner and direct its flow into the panel. Water was pumped into the tube faster than could drain, until the water level was above the timing mark of 6". A stopwatch was activated when the water level reached 6" and terminated when the water level reached the highest areas of the pile surface. The flow time was recorded in seconds. This procedure was repeated three more passes, for a total of four passes, with the first pass for system conditioning, and not included for calculation. Test data values represent drainage rates for the Turf + Infill + Panel + Liner but do not take into account the percolation properties of an underlying sub base.



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Attachment to Report # 47356R

Creative Sports Concepts  
 Innovative Base Technologies, LLC  
 5030 Seminole Blvd  
 St. Petersburg, FL 33708

Test Data:

Pass #	Water Flow Thru 6" Zone	Gallons/minute/yd <sup>2</sup>	Rainfall Capacity
1	32.69 seconds	61.8	189.6 inches/hour
2	36.50 seconds	55.3	169.8 inches/hour
3	37.38 seconds	54.0	165.8 inches/hour

Test Summary:

<b>Average Rainfall Capacity</b>
175.1 inches/hour

Approved By:

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Erle Miles, Jr. VP  
 Testing Services, Inc