



TESTING SERVICES, INC.
 817 SHOWALTER AVE. • P.O. BOX 2041
 DALTON, GEORGIA 30722-2041
 PHONE: (706) 226-1400 • FAX: (706) 226-6118



TEST REPORT

CLIENT:	FieldTurf USA, Inc.	REPORT NUMBER:	48049B
	175 N. Industrial Blvd. NE	LAB TEST NUMBER:	2167-2842
	Calhoun, GA 30701	DATE:	May 11, 2010

TEST MATERIAL:

Turf ID	Roll #
APT-2C	94419

Test Scope: This test method determines rainfall drainage capacity (permeability) of submitted turf with infill system.

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:	(3) 11.5" Diameter
Pre-Conditioning:	70°F 65% RH for 24 Hours Minimum

Test Procedure: Three specimens, 11.5" diameter were die cut from the turf roll and infilled with Silica Sand to ¾" exposed tuft. After infilling, a specimen was sealed by means of mechanical latches to the flange and tube. 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 four passes on each specimen, with the first pass for system conditioning, and not included for calculation. Test data values represent drainage rates for the turf and infill system, and do not take into account the percolation properties of an underlying sub base.

Test Data:

Specimen #	Water Flow Thru 6" Zone	Gallons/minute/yd ²	Rainfall Capacity
1	20.5 Seconds	98.4	302.0 inches/hour
2	20.5 Seconds	98.4	301.8 inches/hour
3	20.6 Seconds	98.0	300.7 inches/hour

Test Summary:

Average Rainfall Capacity
301.5 inches/hour

Approved By:

 Erle Miles, Jr. VP
 Testing Services, Inc