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TEST REPORT

CLIENT:	X-Grass	REPORT NUMBER:	55111
	PO Box 579	LAB TEST NUMBER:	2445-2505
	Rocky Face, GA 30740	DATE:	May 22, 2012

Sample ID:

Description
1.5" Bonded Rubber

Test Scope: This test method determines rainfall drainage capacity (permeability) of submitted material.

Test Method: ASTM F1551: 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)
Pre-Conditioning:	70°F 65% RH for 24 Hours Minimum

Test Procedure: An 18"x18" x 1.5" thick Pour-In-Place specimen was used to perform drainage on. The top surface was sealed using wax so that the water would drain thru the top surface into the specimen and out the bottom. 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 surface of the top surface. The flow time was recorded in seconds. This procedure was repeated four passes, with the first pass for system conditioning, and not included for calculation. Test data values represent drainage rates for the pour in place, and do not take into account the percolation properties of an underlying sub base.

Test Data:

Water Flow Thru 6" Zone	Gallons/minute/yd ²	Average Rainfall Capacity
2.8 Seconds	710.4	2179.7 inches/hour

Approved By:

 Erle Miles, Jr. VP
 Testing Services, Inc