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TEST REPORT

CLIENT:	Robertson Industries	REPORT NUMBER:	47836D
	4401 E. Baseline Road Suite 105	LAB TEST NUMBER:	2143-2022
	Phoenix, AZ 85042	DATE:	May 13, 2010

TURF ID:

Identification
1/2" Wear Course TT Classic/Aromatic Pour-In-Place

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

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) 1/2" Wear Course + 4.5" Cushion Layer (5" total thickness)
Pre-Conditioning:	70°F 65% RH for 24 Hours Minimum

Test Procedure: An 18"x18"x5.0" Pour-In-Place was selected to perform drainage. The wear course was sealed using wax so that the water would drain thru the wear course into the cushion layer 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 cap. 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 wear course and 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
6.0 Seconds	334.8	1027.2 inches/hour

Approved By:

 Erle Miles, Jr. VP
 Testing Services, Inc