

TEST REPORT

CLIENT:

Company:	Turf and Ivy Solutions	Report Number:	79938D
Address:	5 Centerpointe Dr. Ste 400,	Lab Test Number:	3180-2872
	Lake Oswego, Oregon 97035	Test Completion Date:	3/11/2020
		Report Date:	3/13/2020
Requested by:	Patricia Ochoa	Page:	1 of 1

TEST MATERIAL:

Material Type:	Synthetic Turf	Synthetic Turf			Date Rec	eived:	2/18/2020	
Material Condition:	EXCELLENT:	XXX	GOOD:		POOR:		REJECTED:	
Product ID:	Onyx							
Infill System:	1.0 lbs/ft ² 20/40 Silica S	Sand	•					

TESTING METHODS REQUESTED:

Testing Services Inc. was instructed by the client to test for the following			
Standard: ASTM F1551 Test Method: Standard Test Methods for Comprehensive Characterization of Synthetic Turf Playing Surfaces and			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

	Materials: Suffix-Din 18-035, Part 6: Water Permeability of Synthetic Turr Systems and Permeable Bases
SAMPLING PLAN:	

Sampling Date: 2/18/2020 Specimen sampling is performed in the sampling department at TSI

- The sampling size of specimens is determined by the test method requirements
- - In the event a specific sampling size is not called for, a determination will be made based on previous testing experience, and approved for use by an authorized manager. All samples are subjected to the outside environmental conditions of temperature and relative humidly.

 Sample requiring pre-determined exposure to specified environmental conditions based on a specific test method, take place in the departments in which they are tested

PROCEDURE:

This test method determines the rainfall drainage capacity (permeability) of the playing surface. Test data values represent drainage rates vertically thru the turf with above listed infill, and do not take into account the percolation properties of a pad and/or an underlying sub base. Three specimens, 11.5" diameter, were cut from the 15' turf roll, side-center-side manner. Each turf specimen was securely fastened to the permeability tube using mechanical flanges, ensuring vertical water flow thru the product. The infill system was then installed. Water was pumped into the tube faster than could exit, until the water level reached 6". The water source was shut off, allowing the accumulated 6" water level to recede. The recede was timed via stopwatch until the water level exited the turf. The flow time was recorded in seconds. This procedure was repeated a total of 4 times where, the first pass was for conditioning, with passes 2,3,4 used for averaging. This process was repeated on the remaining

DEVIATION FROM TEST METHOD:

State reason for any Deviation from, Additions to, or Exclusions From Test Method.				
None				

TEST SUMMARY:

Specimen #	Drainage (Seconds)	gal/min/yd²	Rainfall Capacity (inches/hour)
1	95.3	21.2	65.1
2	115.7	17.5	53.6
3	85.6	23.6	72.4
Average	98.9	20.8	63.7

Uncertainty:

We undertake all assignments for our clients on a best effort basis. Our findings and judgments are based on the information to us using the latest test methods available.

TSI can only ensure the test results for the specific items tested.

Unless otherwise noted in the deviations sections of this report, all tests are performed in compliance with stated test method.

Test Report Approval:

Erle Miles, III, Lab Director Testing Services (TSI) LLC

TSi Accreditation:

TSi is a certified independent testing laboratory by the Synthetic Turf Council

