



## TEST REPORT

**CLIENT:**

Company:	Airfield Systems	Report Number:	66090
Address:	8028 North May Avenue, Suite 201	Lab Test Number:	2781-6357
	Oklahoma City, OK 73120	Test Completion Date:	1/15/2016
		Report Date:	1/15/2016
Requested By:	Michael Bean	Page:	1 of 1

**TEST MATERIAL:**

Material Type:	Synthetic Turf over Pad System				Date Received:	1/4/2016	
Material Condition:	EXCELLENT:	XXX	GOOD:		POOR:		REJECTED:
Turf and Infill ID:	MSP 69 with 2.0 lbs/ft <sup>2</sup> Envirofill installed						(TOP)
Fabric ID:	4 oz Non-Woven Filter Fabric						↑
Grid ID:	AirDrain						
Fabric ID:	10 oz Non-Woven Filter Fabric						↑
Base ID:	2" #7 & #81 Rock (bottom) + 1" Compacted Fines Layer (top)						

**TESTING METHODS REQUESTED:**

<i>Testing Services Inc. was instructed by the client to test for the following...</i>			
Standard:	ASTM F355a	Test Method:	Standard Test Method for Impact Attenuation of Playing Surface Systems and Materials

**SAMPLING PLAN:**

Sampling Date:	1/14/2016
<ul style="list-style-type: none"> <li>Specimen sampling is performed in the sampling department at TSI.</li> <li>The sampling size of specimens is determined by the test method requirements.</li> <li>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.</li> <li>All samples are subjected to the outside environmental conditions of temperature and relative humidity.</li> <li>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</li> </ul>	

**DEVIATION FROM TEST METHOD:**

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

**TEST SUMMARY:**

TEST METHOD	TEST DESCRIPTION	TEST RESULT
ASTM F355-10a	Impact Attenuation (Gmax)	126
Test Conditions: 63°F, 29% RH Drop 1: 107 Drop 2: 128 Drop 3: 123 Drop Height: 24"	Test Equipment: Clearview Bumper II Missile Weight: 9.1 kg (20 lbs) Missile Velocity: 3.4 meters/second	Pile Ht: 28 mm

**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 performed are in compliance with stated test method.

**Test Report Approval:**

Erle Miles, Jr. VP, Testing Services Inc

TSI Accreditation: Our laboratory is accredited by the US Dept of Commerce, National Institute of Standards and Technology: ISO/IEC 17025:2005. Our code # is: NVLAP 100108-0. TSi is a certified independent testing laboratory by the Synthetic Turf Council

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