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Synthetic Turf Council STC CERTIFIED IND. TEST LAB

TEST REPORT

CLIENT:	Blue Sky Turf International	REPORT NUMBER:	47183J
	534 Brighton Way	LAB TEST NUMBER:	2126-1460
	Valley Forge, PA 19460	DATE:	February 25, 2010

TEST MATERIAL:

Turf ID	Infill	Subbase
UltraFiber G4 M	3.0 lbs/ft² SBR Rubber	3" Crushed Rock

Test Scope: Data obtained from this test method are indicative of cushioning properties of the playing surface system and materials under the specific conditions selected. The playing system is impacted at a specified velocity with a missile of given mass and geometry to determine the maximum value of *G encountered during impact.*

Test Method: ASTM F355-01: *Standard Test Methods for Shock-Absorbing Properties of Playing Surface Systems and Materials (Procedure A)*

Test Equipment:

Description:	Clearview Bumper mfg by TSi (US Patent # 6,925,898 B2)
Tube:	Clear Acrylic
Missile Weight:	9.1 kg (20 lb)
Missile Circumference:	129 cm² (20 in²)
Data Collection:	Oceana Sensor (Bluetooth) with ICBM Monitor Software

Test Procedure: The infilled turf was positioned over the sub base with the clearview bumper (gmax test equipment) placed level over the entire playing surface system. The missile was released, so as to impact the center of the assembly at a velocity of 3.43 m/s at a drop height of 24". Three drops were made at 15 second intervals. The first drop was for assembly conditioning and was not included in the average.

Test Results:

Test Date:	February 23, 2010
Test Environment:	62°F 40% RH

G-Max Reading Drop #2	G-Max Reading Drop #3	Average G-Max Reading
78	85	82

Approved By:

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