

DATE: 08-29-2023	TEST REPORT Page 1 of 2	TEST	NUMBER:	0405402
CLIENT	Go Green - Turf Evolutions			
TEST CONDUCTED	ASTM F1292 Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment			

PRODUCT NAME	Aqua Maxx 50 Turf		
REFERENCE	PO #17078		
РНОТО	405402		

GENERAL PRINCIPLE

A test specimen is prepared using the commissioner's installation instructions by applying a seam through the middle of the surface material. The material is groomed and infilled as recommended. Each panel for testing is acclimated for a minimum of 24 hours in each respective condition. NIST Traceable temperature sensors are inserted into the sample to ensure the correct temperature is achieved through the matrix. Testing is commenced within one minute of removal from the acclimation chambers. The specimen is impacted at a specified velocity with a missile of given mass of 10.1 lbs and geometry. A transducer mounted in the missile monitors the acceleration time history of the impact, which is recorded with the aid of an oscilloscope or other recording device. The head-form was dropped at the requested height. The GMAX values, HIC (head impact criteria) are recorded for three drops. The second and third drops are averaged. Testing was conducted at three temperatures as listed on the results. The maximum criterion for passing a specified drop height is 200 gmax or 1,000 HIC.

Equipment	Accelerometer Calibration	Accelerometer Manufacturer and Type	Laboratory Conditions
GC Fall-tech	3-28-23	PCB Model 356B20	70° F and 50% RH
Date Received	Specimen Size Tested	Infill Total Weight	Infill Type
8-21-23	4 square feet	16.0 lbs	Sand
Date Tested	Pile Height of Turf	Requested By:	Technician
8-23-23	2.0 inch	Ashley Gribble	Matt Asbury

APPROVED BY:

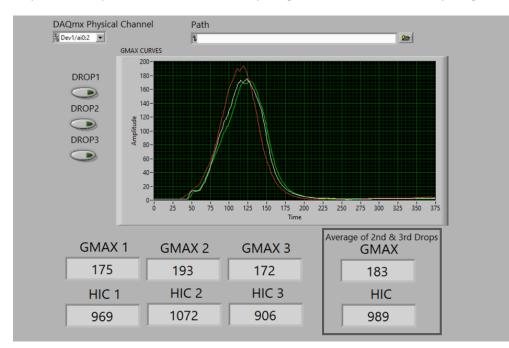
Lang atluny

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. This report applies only to those samples tested and is not necessarily indicative of apparently identical of similar products. This report, or the name of Professional Testing Laboratory Inc. shall not be used under any circumstance in advertising to the general public.



DATE: 08-29-2023		TEST REPORT Page 2 of 2	TES	T NUMBER: 0405402		
CLIENT Go Green - Turf Evolutions			ns			
TEST CONDUCTED		ASTM F1292 Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment				
TEST_RESULTS						
Tested Dry at 72° F	DROP 1	DROP 2	DROP 3	AVERAGE OF DROPS 2 AND 3		
GMAX	175	193	172	183		
HIC	969	1072	906	989		

* Specimen subjected to a theoretical drop height of 5.0 feet. (actual drop height: 61.0 inches at 19.15 ft/sec)



COMMENTS

"The results reported herein reflect the performance of the described samples at the time of testing and at the temperature(s) reported. The results are specific to the described samples. Samples of surfacing materials that do not closely match the described samples will perform differently".

Lang atlury APPROVED BY:

This report is provided for the exclusive use of the client to whom it is addressed. It may be used in its entirety to gain product acceptance from duly constituted authorities. This report applies only to those samples tested and is not necessarily indicative of apparently identical of similar products. This report, or the name of Professional Testing Laboratory Inc. shall not be used under any circumstance in advertising to the general public.