


TEST REPORT

DATE: 07-07-2022

TEST NUMBER: 0405085

CLIENT: Go Green - Turf Evolutions

TEST CONDUCTED	ASTM F1292 Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment
PRODUCT NAME	HMAXX 65
DESCRIPTION OF PRODUCT TESTED	Turf
REFERENCE	PO #15718
PHOTO	

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	3-28-22	PCB Model 356B20	70° F and 50% RH
Date Received	Specimen Size Tested	Infill Total Weight	Infill Type
06-13-22	4.0 Square Feet	4.0 Lbs.	Sand

APPROVED BY: *Gary Anthony*

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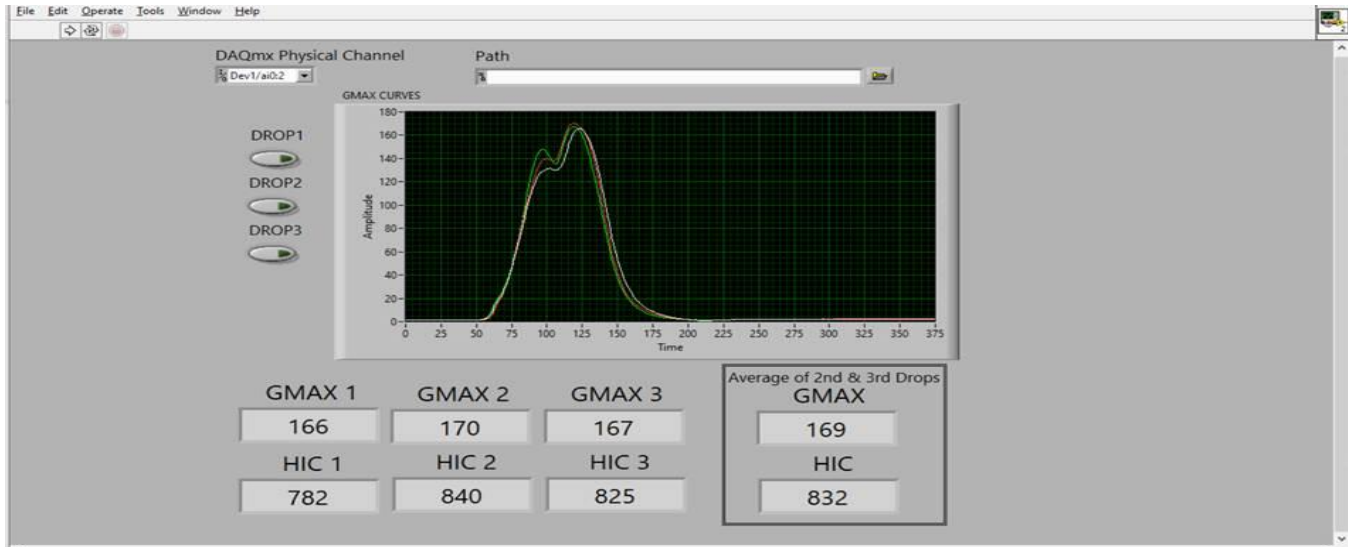
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TEST RESULTS

Tested at 72° F	DROP 1	DROP 2	DROP 3	AVERAGE OF DROPS 2 AND 3
GMAX	166	170	167	169
HIC	782	840	825	832

* Submitted samples subjected to a theoretical drop height of 3.5 feet.



APPROVED BY: *Gary Anthony*

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COMMENTS

The tested assembly meets the criterion of performance of the determined least favorable impact position at 3.5 feet fall height according to section 4.2 of ASTM F1292-17a.

“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”.

APPROVED BY: *Gary Colburn*

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