TESTING SERVICES, INC.
817 SHOWALTER AVE. • P.O. BOX 2041
DALTON, GEORGIA 30722-2041
PHONE: (706) 226-1400 • FAX: (706) 226-6118

TEST REPORT

CLIENT:	Flooring Liquidators	REPORT NUMBER:	64009F
	736 Mariposa Road, Suite F	LAB TEST NUMBER:	2710-3528
	Modesto, CA 95354	DATE:	June 5, 2015
		PAGE:	1 of 2

Test Assembly:

Turf	Tough Turf with 2.5 lbs/ft² 20/40 Silica Sand infill installed	
Pad	2.125" Polygreen Playground Pad	
Base	3" Aggregate (2" Rock + 1" Fines Layer)	Bottom

Tested Dimension: 18" X 18"

Impact Location: Various Locations

Date of Receipt: May 15, 2015

Testing Period: May 27--28, 2015

Authorization: Steve Kellogg

Test Procedure: The submitted sample was evaluated for Shock Absorbing Properties in Accordance with the procedures outlined in ASTM F 1292: Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment. The sub base was deviated from test protocal of concrete and substituted with the above base layer system per client's request

Missile: Hemispherical (Triaxial Accelerometer): Total Drop Assembly Weight (46g) 10 lbs

Test Equipment: Triax 2000 Surface Impactor Calibration 4/28/15
Thermotron Industries Temperature & Relative Humidity Chamber Calibration 3/18/2015 Cert#: 220205
Grieve Air Ciculating Oven Calibration (Temp Contol) 3/18/2015 Cert#: 220204

Sample Pre-Condition: 50±10 RH, 70F±5F for a minimum of 24 hrs prior to testing

Temperature:	Gmax of 200 or Less and A HIC of 1000 or less
Ambient, 65°F 26% RH	9'
Hot, 120°F (49°C)	9'
Cold, 25°F (-6°C)	9'
Critical Fall Height (CFH):	9'

Prepared and signed by:

Digitally signed by Erle Miles, Jr. VP
DN: cn=Erle Miles, Jr. VP, o=Testing Services Inc., ou, email=tsioffice@windstream.net, c=US
Date: 2015.06.05 14:36:05 -04'00'

Erle Miles, Jr. VP
Testing Services Inc.

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AMBIENT Sample Condition: Dry
Temperature: 66°F (18.8°C), 51% RH

Drop #	Velocity ft/sec	Angle	Drop Ht/Actual	Drop Ht/Theoretical	Gmax	HIC
1	22.7	0	8'	8.01	107	612
2	22.7	4	8'	8.01	108	638
3	22.7	2	8'	8.01	107	635
Average			Drops 2, 3		108	637

Drop #	Velocity ft/sec	Angle	Drop Ht/Actual	Drop Ht/Theoretical	Gmax	HIC
1	24.0	1	9'	8.95	123	796
2	24.1	4	9'	9.03	126	833
3	24.1	7	9'	9.03	129	849
Average			Drops 2, 3		128	841

Drop #	Velocity ft/sec	Angle	Drop Ht/Actual	Drop Ht/Theoretical	Gmax	HIC
1	25.3	5	10'	9.95	135	943
2	25.4	4	10'	10.03	145	1037
3	25.3	6	10'	9.95	149	1066
Average			Drops 2, 3		147	1052

HOT Sample Condition: Dry
Temperature: 120°F (49°C)

Drop #	Velocity ft/sec	Angle	Drop Ht/Actual	Drop Ht/Theoretical	Gmax	HIC
1	22.7	5	8'	8.01	119	708
2	22.7	2	8'	8.01	127	762
3	22.7	2	8'	8.01	120	705
Average			Drops 2, 3		124	734

Drop #	Velocity ft/sec	Angle	Drop Ht/Actual	Drop Ht/Theoretical	Gmax	HIC
1	24.1	2	9'	9.03	119	751
2	24.1	3	9'	9.03	128	844
3	24.1	4	9'	9.03	132	888
Average			Drops 2, 3		130	866

Drop #	Velocity ft/sec	Angle	Drop Ht/Actual	Drop Ht/Theoretical	Gmax	HIC
1	25.4	0	10'	10.03	139	955
2	25.4	1	10'	10.03	152	1081
3	25.4	7	10'	10.03	158	1142
Average			Drops 2, 3		155	1112

COLD Sample Condition: Dry
Temperature: 25°F (-6°C)

Drop #	Velocity ft/sec	Angle	Drop Ht/Actual	Drop Ht/Theoretical	Gmax	HIC
1	22.7	7	8'	8.01	124	766
2	22.7	1	8'	8.01	132	828
3	22.7	4	8'	8.01	140	896
Average			Drops 2, 3		136	862

Drop #	Velocity ft/sec	Angle	Drop Ht/Actual	Drop Ht/Theoretical	Gmax	HIC
1	24.2	7	9'	9.10	137	966
2	24.2	2	9'	9.10	137	965
3	24.2	7	9'	9.10	141	992
Average			Drops 2, 3		139	979

Drop #	Velocity ft/sec	Angle	Drop Ht/Actual	Drop Ht/Theoretical	Gmax	HIC
1	25.4	0	10'	10.03	147	1121
2	25.4	3	10'	10.03	158	1265
3	25.5	2	10'	10.11	157	1215
Average			Drops 2, 3		158	1240