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**Playing Surface Impact Test Report
Artificial Playing Surface**

Home Depot Center
Football - Soccer Stadium
Carson, CA

Test Date: December 7, 2011

Report Date: December 8, 2011

Test Methods: ASTM F 355-A: Standard Specification for Shock-Absorbing properties of North American Football Field Playing Systems as Measured in the Field. ASTM F 355: Standard Test Method for Shock-Absorbing Properties of Playing Surface Systems and Materials, Procedure A. Accelerometer last calibrated December 7, 2009. Tests performed by Jeff Davis.

Surface Description: In-filled artificial turf system in new condition.

Weather Conditions

December 7, 2011	°F
Mean Temperature	56°
Max Temperature	69°
Min Temperature	42°
Wind (mph)	6
Dew Point	26°
Relative Humidity	16%

Summary of Results

Field Average G max	108.5
Field Max. Avg. G max	116.9
Site maximum G max	119.6
Avg. Strand Length	52.4mm
Avg. Infill Depths	30.0mm



Test results reported herein reflect the conditions of the tested field at the time of testing and at the temperature(s) reported under the stated test conditions, all points met the requirement of <200 G max when tested in accordance with ASTM F1936

SPORTS SURFACE IMPACT TEST REPORT

Home Depot Center, Football - Soccer Stadium, Carson CA

Test date: December 7 , 2011

Report date: December 8 , 2011

Field Description and Condition :

Surface Type: Infilled Synthetic Turf
Football, Soccer
New

Weather Conditions:

Temperature : 75 °F
Clear

Humidity : 16%

Test Method:

ASTM F 1936: Standard Specification for Shock-Absorbing Properties of North American Football Field Playing Systems as Measured in the Field.

Summary of Results:

	Vo fps	gmax	tmax ms	HIC	Air °F	Surf °F
Point 1 — Goal Line, End A, Center Field Surface Depth : 52.0 mm Total 32.0 mm Infill Football, Soccer	11.34	106.5	7.2	297.8	75	75
Point 2 — 6' from the Goal Line to the back of the End Zone, End A, Center of Field Surface Depth : 56.0 mm Total 33.0 mm Infill Football, Soccer	11.34	110.7	7.3	313.4	75	77
Point 3 — 10 Yard Line, End A, and 1/4 the distance from side line C to center field Surface Depth : 52.0 mm Total 34.0 mm Infill Football, Soccer	11.34	98.4	8.9	264.7	73	77
Point 4 — 25 Yard Line, End A, and 1/2 the distance from side line C to center field Surface Depth : 53.0 mm Total 31.0 mm Infill Football, Soccer	11.34	99.2	7.4	272.3	79	79
Point 5 — Center of Field Surface Depth : 54.0 mm Total 28.0 mm Infill Football, Soccer	11.34	111.5	7.6	329.7	75	75
Point 6 — 35 Yard Line, End A, 6' outside of sideline D Surface Depth : 51.0 mm Total 31.0 mm Infill Football, Soccer	11.34	115.3	7.1	330.7	75	75
Point 7 — 25 Yard Line, End B, and 1/2 the distance from side line D to center field Surface Depth : 51.0 mm Total 26.0 mm Infill Football, Soccer	11.34	116.9	7.3	341.2	73	75
Point 8 — 37 Yard Line, End B, and 1/2 the distance from side line C to center field Surface Depth : 51.0 mm Total 28.0 mm Infill Football, Soccer	11.34	104.2	8.0	295.7	73	79
Point 9 — 12 Yard Line, End B, and Center of Field Surface Depth : 53.0 mm Total 28.0 mm Infill Football, Soccer	11.34	108.9	7.5	317.5	75	75
Point 10 — 6' from back of End Zone to the Goal Line, End B, Center of Field Surface Depth : 51.0 mm Total 29.0 mm Infill Football, Soccer New	11.34	113.3	8.3	339.8	75	70

Conclusion:

Under the test conditions reported above, all test points met the requirement

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Test Point	Drop #	Vo fps	gmax	tmax ms	HIC	Air °F	Surf °F
1	1	11.34	94.1	7.8	248.5	75	75
	2	11.34	104.6	7.2	289.8	75	75
	3	11.34	108.5	7.3	305.8	75	75
	Av23	11.34	106.5	7.2	297.8	75	75
2	1	11.34	92.8	8.4	237.4	75	77
	2	11.34	106.9	7.5	296.6	75	77
	3	11.34	114.5	7.1	330.3	75	77
	Av23	11.34	110.7	7.3	313.4	75	77
3	1	11.34	80.4	8.5	188.1	73	77
	2	11.34	94.4	8.6	248.6	73	77
	3	11.34	102.4	9.2	280.9	73	77
	Av23	11.34	98.4	8.9	264.7	73	77
4	1	11.34	84.2	8.4	209.9	79	79
	2	11.34	97.8	7.4	270.5	79	79
	3	11.34	100.6	7.3	274.1	79	79
	Av23	11.34	99.2	7.4	272.3	79	79
5	1	11.34	94.3	8.1	244.5	75	75
	2	11.34	109.1	7.8	317.4	75	75
	3	11.34	113.9	7.4	341.9	75	75
	Av23	11.34	111.5	7.6	329.7	75	75
6	1	11.34	100.6	7.2	265.8	75	75
	2	11.34	111.0	7.2	315.4	75	75
	3	11.34	119.6	7.1	346.0	75	75
	Av23	11.34	115.3	7.1	330.7	75	75
7	1	11.34	100.3	7.8	268.6	73	75
	2	11.34	114.6	7.6	332.3	73	75
	3	11.34	119.1	7.0	350.2	73	75
	Av23	11.34	116.9	7.3	341.2	73	75
8	1	11.34	88.5	8.9	224.3	73	79
	2	11.34	101.6	7.9	284.5	73	79
	3	11.34	106.8	8.1	306.9	73	79

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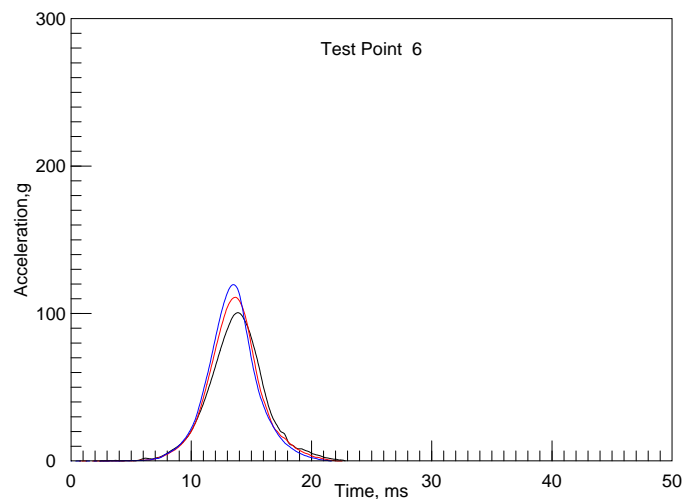
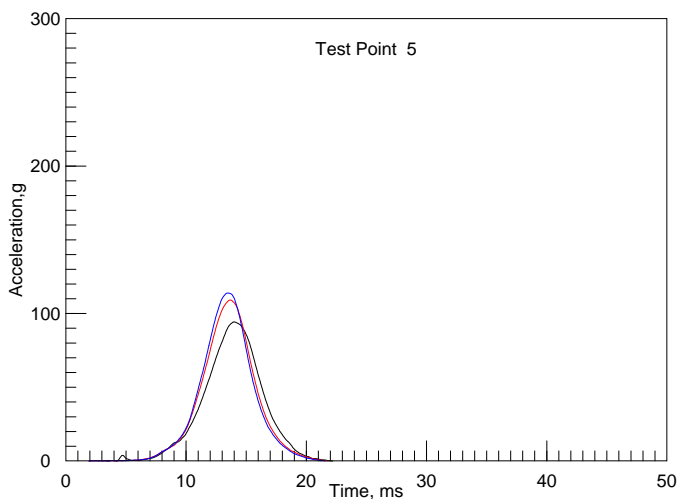
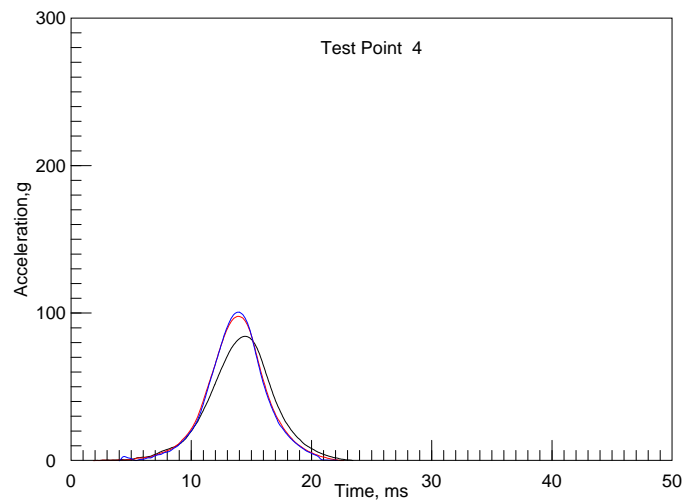
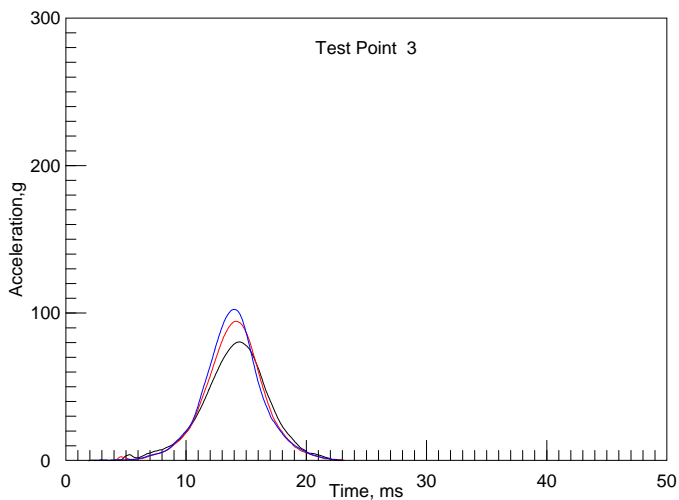
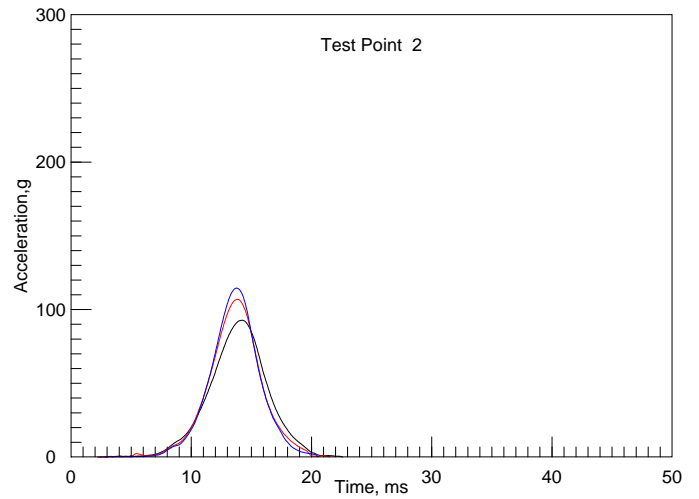
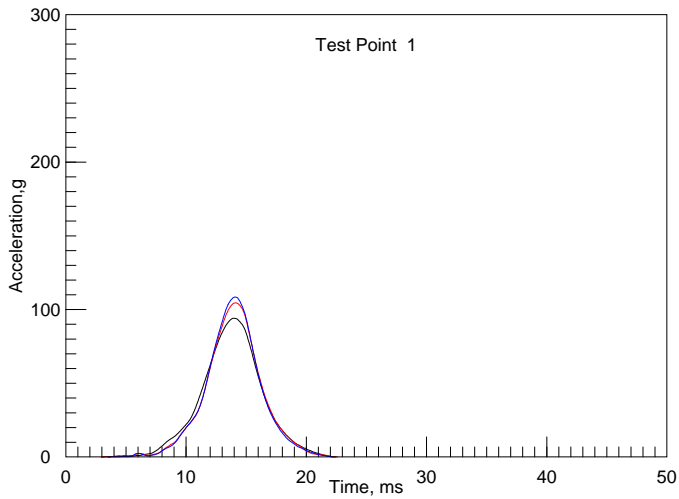
	Av23	11.34	104.2	8.0	295.7	73	79
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9	1	11.34	94.0	8.1	252.2	75	75
	2	11.34	107.1	7.4	311.4	75	75
	3	11.34	110.6	7.5	323.6	75	75
	Av23	11.34	108.9	7.5	317.5	75	75
10	1	11.34	99.4	7.8	273.3	75	70
	2	11.34	110.7	8.0	329.2	75	70
	3	11.34	116.0	8.5	350.3	75	70
	Av23	11.34	113.3	8.3	339.8	75	70

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