

Detroit Testing Laboratory, Inc.

PLAYGROUND SURFACE REPORT – ASTM F1292-04

Client: Forever Lawn
Manufacturer: Forever Lawn
Manufacturing Location: Orlando, FL.
Brand Name: Playground Grass
Date of Manufacture:
No. of samples submitted: 9

DTL Report No. 4088011
Test Date: 9/28/04

Initial Test
Follow up Test
Sample Selection Date:

Test Equipment:

DTL Guided Wire Impact Tower
Accelerometer Calibration Due Date: 7/2/05
Temperature Probe Calibration Due Date: 2/16/05

Sample Receipt Date: 9/8/04
Ambient temperature: 23°C

Loose fill Material Sample Description:

Loose Fill Wood
E.W.F.
(F2075 Documentation Required)-Notes:
Rubber
Sand
Gravel
Other:

Sample Condition as received: Dry
Wet
Other

Comments:

Layered Size distribution:

Un-compacted Depth:

Compacted Depth:

Detailed Description/Composition:

Unitary Sample Description:

Tiles Thickness:
Poured in Place Thickness:
Other Thickness: 4 inch.

Detailed Description/Composition: 4" layer of loose fill cracker mill rubber, topped by a layer of ForeverLawn Playground Grass w/1 1/2" of 14/30 crumb rubber infill.

The above described sample was tested at: 12 Ft.

The results reported herein reflect the performance of the above 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. The following data sheet provides an accurate representation of the test results.

Sample in compliance with ASTM F1292-04 at the temperature and rating specified? Yes No

Signature: Paul A. Ward

Reviewed by: [Signature]

Date: 10/4/04

Date: 10/4/04

Client:	Forever Lawn	DTL Report No.:	4088011
Manufacturer:	Forever Lawn	Test Date:	9/28/04

Drop	Specified Drop Height (Ft.)	Reference Temperature -6°C			Reference Temperature 23°C (Ambient)			Reference Temperature 49°C		
		HIC	G-Max	Velocity (ft/s)	HIC	G-Max	Velocity (ft/s)	HIC	G-Max	Velocity (ft/s)
1	12	363.34	94.02	27.50	632.97	141.41	27.59	332.08	95.17	27.50
2	12	539.45	116.34	27.96	641.00	145.24	27.69	509.62	122.54	27.96
3	12	519.87	116.66	27.87	687.73	154.98	27.69	576.48	130.46	28.06
Average		529.66	116.50		664.36	150.11		543.05	126.50	
Measured Surface Temperature		-4°C		Max. change from reference +5°C	23°C			47°C		Max. change from reference -3°C
Sample Condition		Dry			Dry			Dry		

Drop	1 Foot Over	Reference Temperature -6°C			Reference Temperature 23°C (Ambient)			Reference Temperature 49°C		
		HIC	G-Max	Velocity (ft/s)	HIC	G-Max	Velocity (ft/s)	HIC	G-Max	Velocity (ft/s)
1	13	467.20	100.28	29.14	569.39	111.98	28.74	571.88	138.63	29.14
2	13	605.58	121.95	29.04	569.79	113.29	28.74	719.04	164.27	28.84
3	13	684.80	132.19	29.04	599.39	119.85	28.74	863.06	183.85	28.94
Average		645.19	127.07		584.59	116.57		791.05	174.06	
Measured Surface Temperature		-4°C		Max. change from reference +5°C	23°C			47°C		Max. change from reference -3°C
Sample Condition		Dry			Dry			Dry		

Drop	1 Foot Under	Reference Temperature -6°C			Reference Temperature 23°C (Ambient)			Reference Temperature 49°C		
		HIC	G-Max	Velocity (ft/s)	HIC	G-Max	Velocity (ft/s)	HIC	G-Max	Velocity (ft/s)
1	11	629.23	138.97	26.46	361.44	97.64	26.29	356.59	94.46	26.37
2	11	605.78	142.08	26.46	441.42	112.34	26.62	431.41	110.16	26.62
3	11	806.45	171.12	26.62	445.73	115.32	26.62	495.24	122.11	26.80
Average		706.11	156.60		443.57	113.83		463.32	116.13	
Measured Surface Temperature		-4°C		Max. change from reference +5°C	23°C			47°C		Max. change from reference -3°C
Sample Condition		Dry			Dry			Dry		

