

## ASTM F1292 Test Report

Date: 31-10-09

There shall be one report for each play structure or functionally linked play structures and for each type of surface material. Each test shall comprise of a minimum of 3 impact locations per playspace or type of surfacing material with three drops from the same height to the same point. The report shall be descriptive enough to assist the user of the report in determining compliance with contracts and Standards. The CSA Z614-07 and the ASTM F1292-04 set minimum values as the Gmax shall not exceed 200 and the HIC shall not exceed 1000 from the drop height stipulated by the owner/operator prior to purchase.

Agency requesting the tests	Playground Site Tire Swing	Manufacturer/Supplier/Installer of Surface
Name Clarks's Construction Co.	Name Laker Playground	Name EVERPLAY Installation Inc.
Address 18109 Livernois Ave.	Address Central & Roy Streets	Address 18 Automatic Rd., Unit 12
City Detroit State MI	City Detroit State MI	City Brampton Prov ON
Zip 48221 Country USA	Zip/Postal 48210 Country	Postal L6S 5N5 Country Canada
Contact name	Contact City of Detroit Tim Karl	Contact name Henry Helps
Contact phone 313-340-5000	Contact phone 313-224-1109	Contact phone 416-410-3056

Date of test:	October 28, 2009	Name of test apparatus:	Triax2000
Description of surface(s):	Poured-in-place pigmented red surface		
Type:	Unitary	Product name:	EVERPLAY
Date installed:	October 2009	Critical height:	>8'
Thickness of surface material:	4.25"	maximum:	4.4"
		minimum:	4"
		average:	4.25"
Evenness (comment on wear patterns and disruption):	Even across the entire surface		
Seams: location:	None	gaps and condition:	Na
level across seams:	Na		
Fasteners:	Na	type:	Na
condition:	Na		
Weather condition of test:	Overcast and cool	frozen:	No
		dry:	Yes
		wet:	No
Surface condition:	New installation		
Temperature: ambient air:	61F	surface temperature taken 6" depth for loose fill or 1/2" depth for unitary:	77F
Other conditions or observations:			
Mats, walkways or ramps;		number:	
condition:		requires impact test:	yes/no
Pictures (file names); general playground		test locations:	

The drop height each test location shall be the greater of the critical height for the surface material, the fall height for the play structure as stated in the relevant playground Standard or the height specified by the owner/operator prior to purchase. The drop height is physically measured. The drops are performed from the same drop height to the same point on the surface.

Drop #	Drop height	Drop location in relation to structure	Picture	Velocity ft/sec	Gmax	HIC
1	7.9'	Tire swing toward steel bench	DSC4816	22.3	85	453
2				22.3	83	428
3				22.3	82	402
Av. 2&3					83	415
Drop #	Drop height	Drop location in relation to structure	Picture	Velocity	Gmax	HIC
1	7.9'	Evos side of the tire swing	DSC4817	22.4	72	363
2				22.3	70	346
3				22.4	73	369
Av. 2&3					72	358
Drop #	Drop height	Drop location in relation to structure	Picture	Velocity	Gmax	HIC
1	7.9'	To-fro swing side of tire swing	DSC4818	22.5	67	321
2				22.4	74	405
3				22.4	71	386
Av. 2&3					73	396

The results herein reflect the performance of the tested playground surface at the time of testing and at the temperature(s) and ambient conditions reported. Performance will vary with temperature, moisture content and other factors.

Test performed by:		Authorized signature:	
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