

ASTM F1292 Test Report

Date: September 17, 2008

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 Z614-03 and the ASTM F1292 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 Senior Structure	Manufacturer/Supplier/Installer of Surface
Name Detroit Recreation Department	Name Wish-Egan Playground	Name Everplay Installation Inc.
Address 18100 Meyers Rd.	Address	Address 18 Automatic Rd., Unit 12
City Detroit State Michigan	City Detroit State/Prov Michigan	City Brampton State/Prov Ontario
Zip 48235-5400 Country USA	Zip/Postal Country	Zip/Postal L6S 5N5 Country
Contact name Tim Karl	Contact name Tim Karl	Contact name Henry Helps
Contact phone 313-224-3484	Contact phone 313-224-3484	Contact phone 416-410-3056

Date of test:	16-9-08	Name of test apparatus:	Triax2000
Description of surface(s):	Pigmented Poured in place surface		
Type:	unitary	Product name:	Everplay
Date installed:	Sept. 2008	Critical height:	>13'
Thickness of surface material:	130mm	maximum:	140mm
Minimum:	125mm	average:	130mm
Evenness (comment on wear patterns and disruption):	New surface		
Seams: location:	None	gaps and condition:	None
level across seams:	Na		
Fasteners:	None	type:	
condition:			
Weather condition of test:	Clear and warm	frozen:	No
dry:	Yes	wet:	No
Surface condition:			
Temperature: ambient air:	79 F	surface temperature taken 6" depth for loose fill or 1/2" depth for unitary:	112 F
Other conditions or observations:			
Mats, walkways or ramps;	number:	condition:	requires impact test: yes/no
Pictures (file names); general playground	See each drop	test locations:	As directed by client

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	150"	Top of barrier west of green curved slide	DSC0042	28.1	64	398
2				28.2	64	389
3				28.2	65	405
Av. 2&3					65	397
Drop #	Drop height	Drop location in relation to structure	Picture	Velocity	Gmax	HIC
1	139"	Top of barrier between green slide and climbing wall	DSC0043	26.7	68	366
2				26.7	79	511
3				26.6	73	414
Av. 2&3					76	463
Drop #	Drop height	Drop location in relation to structure	Picture	Velocity	Gmax	HIC
1	112"	top of bridge barrier east side toward hand over hand	DSC0044	24.4	65	391
2				24.4	62	366
3				24.4	59	299
Av. 2&3					61	333

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:	Rolf Huber	Authorized signature:	
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