

EVERPLAY sets a New First Testing to ASTM F3351

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ASTM F3351-20 Standard Test Method for Playground Surface Impact Testing in Laboratory at Specified Height is the latest testing from ASTM that allows owners to request surfaces that perform better than the ASTM F1292 “critical height” and failure. This testing is performed at the three ASTM F1292 temperatures at a specified height and the Gmax and HIC for that height is reported.

EVERPLAY is the first to submit and be tested to ASTM F3351*. The results are as follows;

Height	-6C (21.2F)		23C (73.4F)		49C (120.2F)		System	
	Gmax	HIC	Gmax	HIC	Gmax	HIC	Gmax	HIC
4.26M (14')	77.5	568.5	65.5	456.5	63.5	417	<80	<600
4.87M (16')	83	630.5	75	521.5	69.5	458.5	<90	<700
5.48M (18')	100.5	703.5	77.5	443	73.5	400.5	<105	<710

*full test results available upon written request

The fall height for most play structures for CSA Z64 is 4M or 13', while many new towers have fall heights up to 5.5M or 18'. **EVERPLAY provides exceptional performance for these 14' to 18' towers.** This means lower potential for injury severity and functional longevity that other systems just can't meet.

Taking Advantage of the Specified Height Test

For owners to take advantage ASTM F3351 in their specifications, they can incorporate the following;

1.0 The Manufacturer/Supplier (M/S)s shall provide a laboratory certificate that at (X) height, the g is less than (G) and the HIC is less than (H) at all 3 temperatures of the test.

X is the height from which children are anticipated to fall from the structures under reasonably foreseeable use. This cannot be less than the fall height for the structures.

G is the value for g that is determined as the threshold for the specified height test

H is the value for HIC that is determined as the threshold for the specified height test

1.1 The surface once installed will be tested in the field using one of the procedures in (ASTM F3313, ASTM F1292-99,04 or EN1177) from (X) height and the result for g must be below (G) and the value for HIC shall be less than (H).

Select which of the three field tests is relevant to your jurisdiction
The values for X, G and H will be set in section 1

1.2 At any time during the warranty period, when the installed surface is tested using one of the procedures in (ASTM F1292-99, 04, ASTM F3313 or EN1177), from (X) height, the g shall not exceed (G1) and the HIC shall not exceed (H1) unless performance is stated in the warranty requirements in the purchasing documents.

Select which of the three field tests is relevant to your jurisdiction
X is the specified height as in # 1.0 & 1.1





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For more information or to place an order contact gfactorgo@alpha-automation.com

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Be Accountable

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EVERPLAY!!!! or *equal??*

EVERPLAY First to test to ASTM F3351 @ 18', 16', 14'

EVERPLAY First pigmented PIP surface in North America, developed in 1985 with proprietary binder

EVERPLAY binder inherently UV stable

Functional Longevity Compliance after 20 years.

EVERPLAY first and only with 5 year warranty for maintained surface to meet CSA Z614, materials and workmanship including impact attenuation.

EVERPLAY first and only with 3 year warranty extension for total of 8 years for maintained surface to meet CSA Z614, & ASTM F1292

EVERPLAY first and consistent advocate for Gmax <100 and HIC <570 for play structures for 18 months to 5 years and Gmax <125 and HIC <700 for structures for 5 to 12 years

EVERPLAY first with outdoor impermeable ice skate surface

There is no Equal to **EVERPLAY**

State of the art is not a limit, it is a point of departure