



# LABORATORY TESTING PERFORMANCE



## Project Information

<b>Project Name</b>	Aquatic Tile HIC Performance Evaluation	
<b>Client Information</b>	Life + Floor 2010 East Hennepin Ave #8 Building 8, Suite 206 Minneapolis, MN 55413	
<b>Date Performed</b>	February 17, 2017	
<b>Report Status</b>	Final	
<b>Job No.</b>	91917/2004	
<b>Prepared by</b>	<i>Kieran O'Donnell</i> Field Operation Manager	
<b>Checked by</b>	<i>Jeffrey Gentile</i> Laboratory Director	

### Notes:

1. This report has been prepared by Sports Labs USA with all reasonable skill, care and diligence within the terms of the contract with the Client and within the limitations of the resources devoted to it.
2. This report is confidential to the Client and Sports Labs USA accepts no responsibility whatsoever to third parties to whom this report, or any part thereof, is made known. Any such party relies upon the report at their own risk.
3. This report shall not be used for engineering or contractual purposes unless signed by the Author and the Checker and unless the report status is "Final."

## Summary

Sports Labs USA was commissioned to perform the EN 1177- Impact attenuating play surfacing determination of critical fall height. Samples were received at the lab on February 16, 2017. The tests performed were per the standards listed below. The device is a hemispherical 10 lb "missile" with a tri-axial accelerometer. The hemisphere is dropped from (4) different heights to determine the height at which the HIC would be 1000. This height is referred to as the critical fall height. It is recommended that the critical fall height values be less than 1.3 meters.

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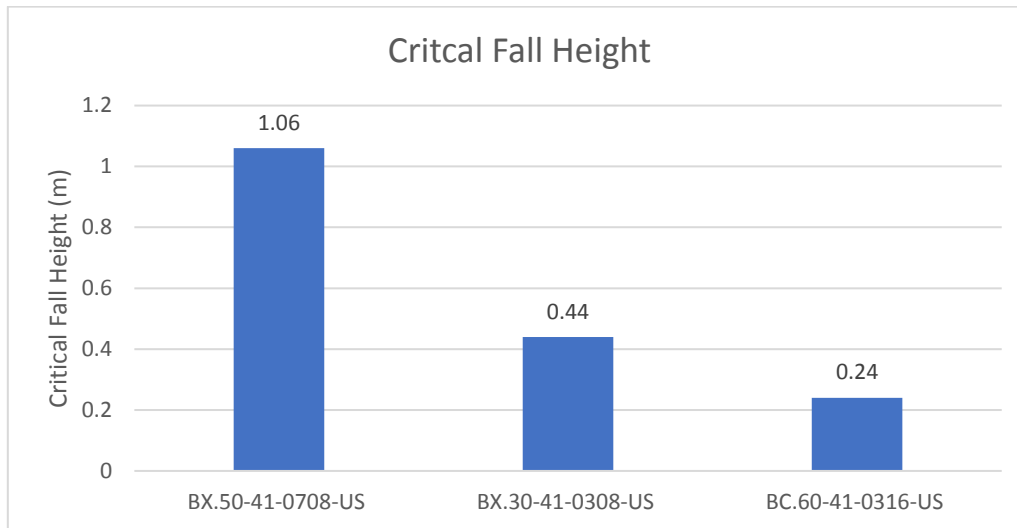
## System Description

System ID	System Description
BX.50-41-0708-US	19.5 mm 68 Hardness Blue Aquatic Tile
BX.30-41-0308-US	9.7 mm 68 Hardness Blue Aquatic Tile
BC.60-41-0316-US	5.7 mm 68 Hardness Blue Aquatic Tile

## Results

Characteristic	Test method	BX.50-41-0708-US Result	BX.30-41-0308-US Result	BC.60-41-0316-US Result
Critical Fall Height (m)	EN 1177	1.06	0.44	0.24

### EN 1177- HIC Impact Attenuation (Hemispherical Drop Missile)



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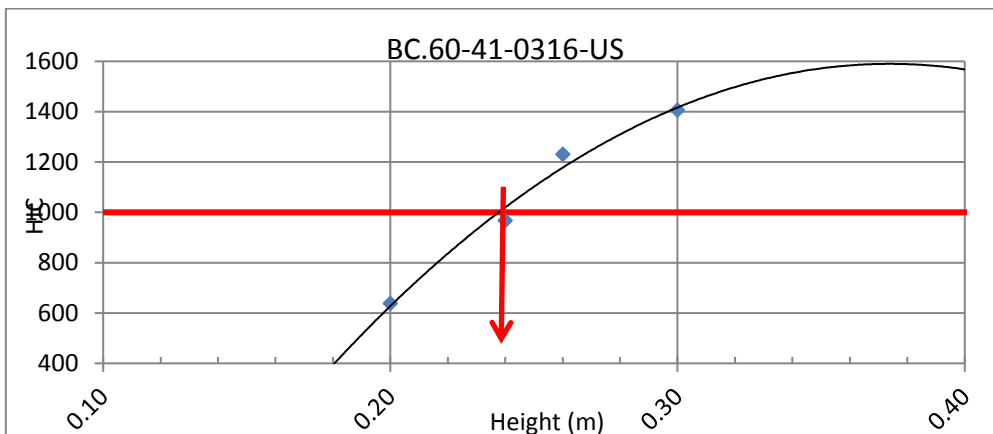
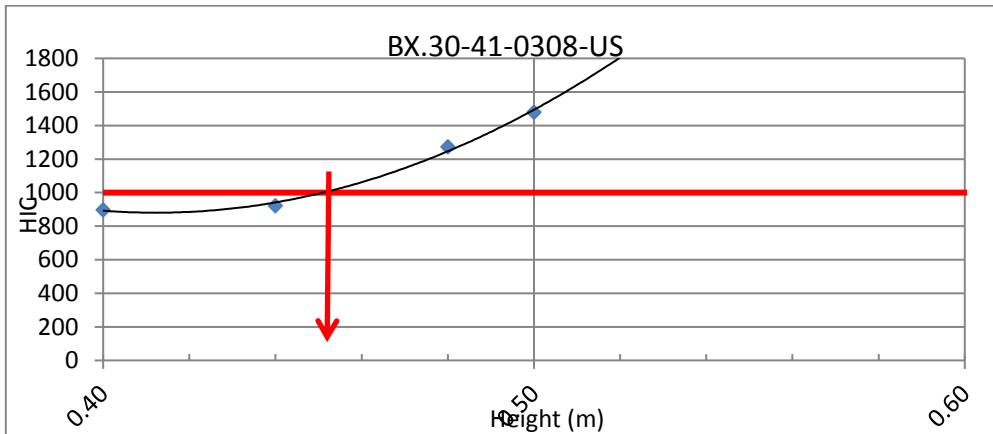
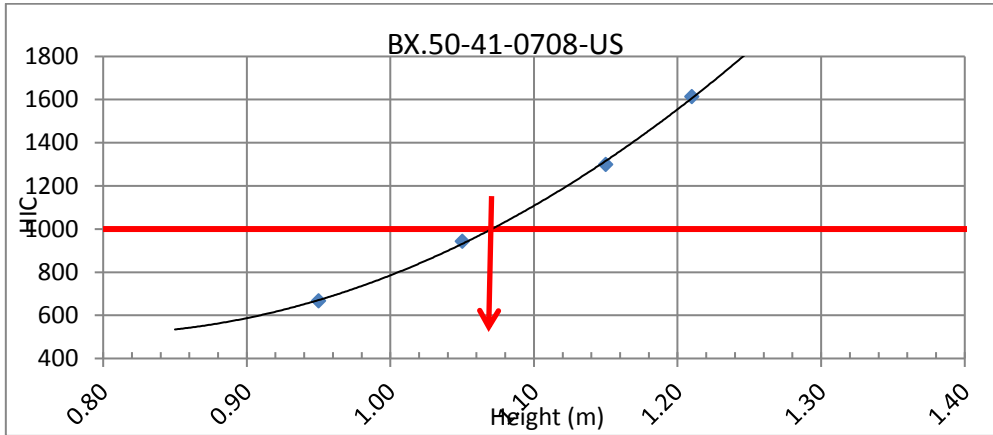


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End of Report

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