



**TUV SUD America Inc.**  
**Product Safety Services**  
 1866 New Energy Way  
 Auburn Hills, MI 48326  
 Phone: (616) 546-4600

**IPEMA Surfacing Material Report - Least Favorable Impact Location – ASTM F1292-22**

Participant:	Project No.:
Main Office Address:	Report Date:
	Test Date:
Phone:	Selection: Initial Test:
Manufacturing Location ID:	Follow up Test: <b>Ref Job:</b>
Commercial Name of Product:	Sample Receipt Date:
Date of Manufacture:	Ambient Air Temperature: °C
No. of samples submitted:	Humidity: %

**Test Equipment:**

Alpha Automation, Triax, TUV System 5:	Environmental Chamber No.:
Alpha Automation, Triax, TUV System 7:	Calibration Due Date:
Accelerometer ID:	Environmental Chamber No.:
Accelerometer Calibration Date:	Calibration Due Date:

**Unitary Sample Layer Description:**

Tiles:	<b>Total Thickness:</b> _____
Poured in Place:	Top Layer: _____
Turf:	Base Layer: _____
Other:	

**Determine Least Favorable Impact Location: The highest percentage (%) of maximum allowable value, based on g-max or HIC, as tested at the locations indicated on Pages 2 and 3.**

<b>Least Favorable Impact Location was determined at:</b> _____	<b><u>Impact Location:</u></b> _____	<b><u>Reference Temperature:</u></b> _____
		<b>23°C</b>

**Comments:**

- 1.) Samples tested in laboratory environment, overlying poured concrete floor.
- 2.) Calculate the average g-max and HIC scores by averaging results from the second and third impacts.
- 3.) After Least Favorable Impact Location is determined at 23°C, remaining testing will be completed at temperatures 49°C and -6°C at that location.

**The above described sample was tested at :                      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 F1292-22 at the temperature and rating specified?                      Yes                      No**

Signature: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

Reviewed by:  Title: \_\_\_\_\_ Date: \_\_\_\_\_

Participant:

Project No.:

Manufacturing Location ID:

Test Date:

**Impact Location:**

Drop	Specified Impact Height (Ft.)	Reference Temperature -4°C, (25°F)				Reference Temperature 23°C, (73°F)				Reference Temperature 49°C, (120°F)					
		G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)		
1															
2															
3															
Average															
Measured Surface Temperature	°C	Max. Change from reference + 3°C, (5°F)				23°C	Max. Change from reference ± 3°C, (±5°F)				°C	Max. Change from reference -3°C, (-5°F)			
Sample Condition:	DRY				DRY				DRY						
<b>Percentage (%) of maximum allowable values (g-max and HIC):</b>					<b>G-Max:</b>		<b>HIC:</b>								

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America

Participant:

Project No.:

Manufacturing Location ID:

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