



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:
Phone:	Test Date:
Manufacturing Location ID:	Selection:
Commercial Name of Product:	Follow up Test:
Date of Manufacture:	Sample Receipt Date:
No. of samples submitted:	Ambient Air Temperature:
	Humidity:
	Initial Test:
	Ref Job:
	°C
	%

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:	Total Thickness: _____
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.

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

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						
Percentage (%) of maximum allowable values (g-max and HIC):					G-Max:		HIC:								

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)					
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Sample Condition:	DRY				DRY				DRY						
Percentage (%) of maximum allowable values (g-max and HIC):					G-Max:		HIC:								

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Sample Condition:	DRY				DRY				DRY						
Percentage (%) of maximum allowable values (g-max and HIC):					G-Max:		HIC:								



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Participant:

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Manufacturing Location ID:

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