



TÜV SÜD America Inc.
Product Safety Services
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IPEMA Impact Attenuation Report – ASTM F1292-13

Participant: Rubbercycle, LLC	Project No.: 72113832-1
Main Office Address: 1985 Rutgers University Blvd	Report Date: 2/17/2016
Lakewood, NJ 08701	Test Date: 2/16/2016
Phone: 732-363-0600	Selection: <input type="checkbox"/> Initial: <input checked="" type="checkbox"/>
Manufacturing Location ID: Lakewood, NJ	Follow up: <input type="checkbox"/> Ref. Job:
Commercial Name of product: Genesis Poured System	Sample Receipt Date: 2/12/2016
Date of Manufacture: Unknown	Ambient Air Temperature: 22.2°C
No. of samples submitted: 3 samples in a wood boxes 32" x 33" x 4"	Humidity: 21.0%

Test Equipment:

Triax System 4: <input checked="" type="checkbox"/>	Environmental Chamber No.: PLYP00069
Triax System 1: <input type="checkbox"/>	Calibration Due Date: 9/29/2016
Accelerometer ID: PLYP00089	Environmental Chamber No.: PLYP00101
Accelerometer Calibration Due Date: 7/27/2016	Calibration Due Date: 9/26/2016

Loose Fill Material Sample Description:

Engineered Wood Fiber: <input type="checkbox"/>	Un-compacted Depth: _____	Inches
Loose Fill Wood: <input type="checkbox"/>		
Rubber: <input type="checkbox"/>		
Sand: <input type="checkbox"/>	Compacted Depth: _____	Inches
Gravel: <input type="checkbox"/>		
Other: <input type="checkbox"/>		

Unitary Sample Description:

Tiles: <input type="checkbox"/>	Total Thickness: 3.5 Inches
Poured in Place: <input checked="" type="checkbox"/>	Top Layer: 0.5 Inches
Other: <input type="checkbox"/>	Base Layer: 3 Inches

Comments:


Top layer is EPDM, Base Layer is proprietary.

The above described sample was tested at : 8 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 F1292-13 at the temperature and rating specified? Yes No

Signature:  Title: Project Coordinator Date: 2/17/2016

Reviewed by:  Title: Product Safety Engineer Date: 2/17/2016

Client: Rubbercycle, LLC

Project No.: 72113832-1

Manufacturer: Rubbercycle, LLC

Test Date: 2/16/2016

Drop	Specified Impact Height (Ft.)	Reference Temperature -6°C, (21.2°F)				Reference Temperature 23°C, (73.4°F)				Reference Temperature 49°C, (120.2°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	8	67	316	22.8	8.081	73	257	22.8	8.081	82	297	22.8	8.081	
2	8	66	313	22.8	8.081	84	313	22.8	8.081	82	303	22.8	8.081	
3	8	64	301	22.8	8.081	83	301	22.8	8.081	86	299	22.8	8.081	
Average		65	307			83.5	307			84	301			
Measured Surface Temperature		-6°C	Max. Change from reference + 5°C, (5°F)				23°C	Max. Change from reference ± 3°C, (5°F)				49°C	Max. Change from reference -3°C, (-5°F)	
Sample Condition:		DRY				DRY				DRY				

Drop	One foot over (Ft.)	Reference Temperature -6°C, (21.2°F)				Reference Temperature 23°C, (73.4°F)				Reference Temperature 49°C, (120.2°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					0.000				0.000				0.000	
2					0.000				0.000				0.000	
3					0.000				0.000				0.000	
Average		0	0			0	0			0	0			
Measured Surface Temperature		°C	Max. Change from reference + 5°C, (5°F)				°C	Max. Change from reference ± 3°C, (5°F)				°C	Max. Change from reference -3°C, (-5°F)	
Sample Condition:														

Drop	One foot under (Ft.)	Reference Temperature -6°C, (21.2°F)				Reference Temperature 23°C, (73.4°F)				Reference Temperature 49°C, (120.2°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					0.000				0.000				0.000	
2					0.000				0.000				0.000	
3					0.000				0.000				0.000	
Average		0	0			0	0			0	0			
Measured Surface Temperature		°C	Max. Change from reference + 5°C, (5°F)				°C	Max. Change from reference ± 3°C, (5°F)				°C	Max. Change from reference -3°C, (-5°F)	
Sample Condition:														



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