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

Participant:	Rubbercycle, LLC	Project No.:	72113832-2
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: ☐ Initial:	☑
Manufacturing Location ID:	Lakewood, NJ	Follow up:	☐ 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:	☑	Environmental Chamber No.:	PLYP00069
Triax System 1:	☐	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:	☐	Un-compacted Depth:	Inches
Loose Fill Wood	☐		
Rubber:	☐		
Sand:	☐	Compacted Depth:	Inches
Gravel:	☐		
Other:	☐		

Unitary Sample Description:

Tiles	☐	**Total Thickness:**	**3.5 Inches**
Poured in Place	☑	Top Layer:	0.5 Inches
Other	☐	Base Layer:	3 Inches

Comments:

Top layer is EPDM, Base Layer is proprietary.

The above described sample was tested at : 10 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.: **72113832-2**

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	10	79	437	25.5	10.109	100	444	25.5	10.109	128	549	25.5	10.109
2	10	83	430	25.5	10.109	103	453	25.5	10.109	117	512	25.5	10.109
3	10	79	406	25.5	10.109	97	424	25.5	10.109	125	579	25.5	10.109
Average		81	418			100	438.5			121	545.5		
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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