



**TÜV SÜD America Inc.**  
 Product Safety Services  
 1755 Atlantic Blvd.  
 Auburn Hills, MI 48326  
 Phone: (616) 546-4600

**IPEMA Impact Attenuation Report – ASTM F1292-13**

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

**Test Equipment:**

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

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

**Comments:**

Top layer is EPDM, Base Layer is proprietary.

**The above described sample was tested at : 12 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.: 72113832-3

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	12	111	604	27.9	12.101	138	757	27.9	12.101	139	815	28.1	12.275	
2	12	111	624	27.9	12.101	145	765	27.9	12.101	152	926	27.9	12.101	
3	12	109	588	27.9	12.101	158	859	27.9	12.101	163	1015	27.9	12.101	
Average		110	606			151.5	812			157.5	970.5			
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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