



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: Rubbercycle, LLC
 Main Office Address: 1985 Rutgers University Blvd.
Lakewood, NJ 08701
 Phone: (732) 363-0600
 Manufacturing Location ID: Lakewood, NJ
 Commercial Name of product: Aveer 3.5 Tile
 Date of Manufacture: Unknown
 No. of samples submitted: 3 - 24in. X 24in. Tiles

Project No.: 72112497-3
 Report Date: 12/22/2015
 Test Date: 12/22/2015
 Selection: Initial:
 Follow up: Ref. Job:
 Sample Receipt Date: 12/17/2015
 Ambient Air Temperature: 20.9°C
 Humidity: 38.0%

Test Equipment:

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

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 checked="" type="checkbox"/>	Total Thickness:	<u>3.5in.</u>
Poured in Place	<input type="checkbox"/>	Top Layer:	<u>N/A</u>
Other	<input type="checkbox"/>	Base Layer:	<u>N/A</u>

Comments:

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: Timothy Fancher Title: Project Coordinator Date: 12/22/15

Reviewed by: [Signature] Title: Resource man Date: 12/28/15

Client: Rubberecycle, LLC

Project No.: 72112497-3

Manufacturer: Rubberecycle, LLC

Test Date: 12/22/2015

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	102	765	27.9	12.101	92	611	27.9	12.101	141	691	27.8	12.014	
2	12	104	761	27.9	12.101	93	587	27.9	12.101	121	599	27.8	12.014	
3	12	101	712	27.9	12.101	92	565	27.8	12.014	115	598	27.9	12.101	
Average		102.5	736.5			92.5	576			118	598.5			
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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