TÜV SÜD America Inc.
Product Safety Services
47523 Clipper Drive
Plymouth, MI 48170
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IPEMA Impact Attenuation Report – ASTM F1292-13

Participant: **Rubberecycle, 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 Tile System**
Date of Manufacture: **Unknown**
No. of samples submitted: **3 - 24in. X 24in. Tiles**

TUV Report No.: **72104819-1**
Report Date: **4/8/2015**
Test Date: **4/6/2015**
Selection: ☐ Initial: ☑
Follow up ☐ **Ref Job:**
Sample Receipt Date: **4/3/2015**
Ambient Air Temperature: **21.9°C**
Humidity: **23.0%**

Test Equipment:

Triax System 4:	☑	Environmental Chamber No.:	**PLYP00101**
Triax System 1:	☐	Calibration Due Date:	**6/17/15**
Accelerometer ID:	**PLYP00089**	Environmental Chamber No.:	**PLYP00069**
Accelerometer Calibration Due Date:	**8/1/2015**	Calibration Due Date:	**8/11/15**

Loose fill Material Sample Description:

Engineered Wood Fiber: ☐
Loose Fill Wood ☐
Rubber: ☐
Sand: ☐
Gravel: ☐
Other: ☐

Un-compacted Depth: Inches

Compacted Depth: Inches

Unitary Sample Description:

Tiles ☑
Poured in Place ☐
Other ☐

Total Thickness: 3.0in.
Top Layer: 1.3in.
Base Layer: 2.5in.

Comments:

System: 1.3in. top layer, adhered with glue, and overlapping, 2.5in. base layer. Total system thickness of 3.0in.

The above described sample was tested at : 6 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 Fondeur Title: Project Coordinator Date: 4/8/15

Reviewed by: Title: Regional mgr. Date: 4/8/15

Client: **Rubberecycle, LLC**

Manufacturer: **Rubberecycle, LLC**

TUV Report No. **72104819-1**

Test Date: **4/6/2015**

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	6	93	466	19.8	6.095	63	271	19.7	6.033	61	241	19.8	6.095
2	6	85	404	19.7	6.033	61	255	19.7	6.033	52	204	19.7	6.033
3	6	84	394	19.8	6.095	60	253	19.7	6.033	53	194	19.7	6.033
Average		84.5	399			60.5	254			52.5	199		
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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