



TÜV SÜD America Inc.
Product Safety Services
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 Plymouth, MI 48170
 Phone: 734.455.4841

IPEMA Impact Attenuation Report – ASTM F1292-13

Participant: International Mulch Company
 Main Office Address: 182 NW Industrial Ct.
Bridgeton, MO 63044
 Phone: 866 936 8524
 Manufacturing Location ID: Bridgeton, MO
 Commercial Name of product: Rubberific
 Date of Manufacture: Unknown
 No. of samples submitted: 8 cu ft

TUV Report No.: 72108149-2
 Report Date: 7/17/2015
 Test Date: 7/16/15 & 7/17/15
 Selection: Initial:
 Follow up Ref Job:
 Sample Receipt Date: 7/16/2015
 Ambient Air Temperature: 23.1°C
 Humidity: 37.0%

Test Equipment:

Triax System 4:	<input checked="" type="checkbox"/>	Environmental Chamber No.:	<u>PLYP00101</u>
Triax System 1:	<input type="checkbox"/>	Calibration Due Date:	<u>6/22/16</u>
Accelerometer ID:	<u>PLYP00144</u>	Environmental Chamber No.:	<u>PLYP00069</u>
Accelerometer Calibration Due Date:	<u>3/11/2016</u>	Calibration Due Date:	<u>6/22/16</u>

Loose Fill Material Sample Description:

Engineered Wood Fiber:	<input type="checkbox"/>	Un-compacted Depth:	<u>9</u> Inches
Loose Fill Wood:	<input type="checkbox"/>		
Rubber Buffings:	<input checked="" type="checkbox"/>	Compacted Depth:	<u>6</u> Inches
Sand:	<input type="checkbox"/>		
Gravel:	<input type="checkbox"/>		
Other:	<input type="checkbox"/>		

Unitary Sample Description:

Tiles	<input type="checkbox"/>	Total Thickness:	_____
Poured in Place	<input type="checkbox"/>	Top Layer:	_____
Other	<input type="checkbox"/>	Base Layer:	_____

Comments:

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: [Signature]

Title: Project Coordinator Date: 7/17/2015

Reviewed by: [Signature]

Title: Product Safety Engineer Date: 7/31/15

Client: International Mulch Company

TUV Report No.

72108149-2

Manufacturer: International Mulch Company

Test Date:

7/16/15 & 7/17/15

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	94	472	25.5	10.109	93	453	25.6	10.188	102	552	25.6	10.188	
2	10	112	614	25.7	10.268	117	650	25.8	10.348	124	759	25.7	10.268	
3	10	132	789	25.7	10.268	143	899	25.8	10.348	151	1026	25.7	10.268	
Average		122	701.5			130	774.5			137.5	892.5			
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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