



**TÜV SÜD America Inc.**  
**Product Safety Services**  
 47253 Clipper Drive  
 Plymouth, MI 48170  
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**IPEMA Surfacing Material Report – ASTM F1292-09**

Client: International Mulch Products  
 Manufacturer: International Mulch Products  
 Manufacturing Location: Bridgeton, MO

TUV Report No.: QI1010083-4  
 Report Date: 12/13/2010  
 Test Date: 11/11, & 11/12/2010  
 Initial Test   
 Follow up Test  **Ref Job:**  
 Sample Receipt Date: 11/11/2010  
 Selection Date: N/A  
 Ambient Air Temperature: 25.2°C  
 Humidity: 27%

Phone: 314.336.1030  
 Commercial Name of product: Replay  
 Sample Selection: **Yes:** No: X  
 Date of Manufacture: Unknown  
 No. of samples submitted: 8 Cu. Ft.

**Test Equipment:**

Triax 2000 Accelerometer Calibration Due Date: <u>Jan-11</u>	Environmental Chamber No.: <u>PLYP00101</u>
Temperature Probe Calibration Due Date: <u>Jan-11</u>	Calibration Due Date: <u>8/18/11</u>
	Environmental Chamber No.: <u>PLYP00069</u>
	Calibration Due Date: <u>8/18/11</u>

**Loose fill Material Sample Description:**

Loose Fill Wood: <input type="checkbox"/>	Un-compacted Depth: <u>3</u> Inches
Engineered Wood Fiber: <input type="checkbox"/>	
Rubber: <input checked="" type="checkbox"/>	
Sand: <input type="checkbox"/>	Compacted Depth: <u>3</u> Inches
Gravel: <input type="checkbox"/>	
Other: <input type="checkbox"/>	

**Unitary Sample Description:**

Tiles <input type="checkbox"/>	Thickness:
Poured in Place <input type="checkbox"/>	Thickness:
Other <input type="checkbox"/>	Thickness:

**Comments:**

**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 F1292-09 at the temperature and rating specified?      Yes       No

Signature: [Signature]

Date: 12/15/2010

Reviewed by: [Signature]

Date: 12/16/10

Client: International Mulch Products

TUV Report No. QI1010083-4

Manufacturer: International Mulch Products

Test Date: 11/11, & 11/12/2010

Drop	Specified Drop 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)	G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)
1	6	83	338	19.4	93	427	19.4	106	482	19.4
2	6	107	528	19.5	177	883	19.5	96	378	19.4
3	6	80	307	19.3	169	843	19.5	169	857	19.5
Average		93.5	417.5		173	863		132.5	617.5	
Measured Surface Temperature		(5°C)	Max. Change from reference + 5°C ,(9°F)		24°C	Max. Change from reference ± 3°C ,(5.4°F)		49°C	Max. Change from reference -3°C ,(-5.4°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)	G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)
1										
2										
3										
Average		0	0		0	0		0	0	
Measured Surface Temperature		°C	Max. Change from reference + 5°C ,(9°F)		°C	Max. Change from reference ± 3°C ,(5.4°F)		°C	Max. Change from reference -3°C ,(-5.4°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)	G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)
1										
2										
3										
Average		0	0		0	0		0	0	
Measured Surface Temperature		°C	Max. Change from reference + 5°C ,(9°F)		°C	Max. Change from reference ± 3°C ,(5.4°F)		°C	Max. Change from reference -3°C ,(-5.4°F)	
Sample Condition:										



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