



**TÜV SÜD America Inc.**  
**Product Safety Services**  
 47253 Clipper Drive  
 Plymouth, MI 48170  
 Phone: 734.455.4841

**IPEMA Surfacing Material Report – ASTM F1292-09**

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

TUV Report No.: Q11010083-7

Report Date: 12/13/2010

Test Date: 11/17/2010

Initial Test

Follow up Test  **Ref Job:**

Sample Receipt Date: 11/16/2010

Selection Date: N/A

Ambient Air Temperature: 25.2°C

Humidity: 27%

Phone: 314.336.1030

Commercial Name of product: Nuplay

Sample Selection: **Yes:**  **No: X**

Date of Manufacture: Unknown

No. of samples submitted: 8 Cu. Ft.

**Test Equipment:**

Triax 2000 Accelerometer Calibration Due Date: Jan-11

Environmental Chamber No.: N/A

Temperature Probe Calibration Due Date: Jan-11

Calibration Due Date: N/A

Environmental Chamber No.: N/A

Calibration Due Date: N/A

**Loose fill Material Sample Description:**

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

Un-compacted Depth: 6 Inches

Compacted Depth: 6 Inches

**Unitary Sample Description:**

- Tiles
- Poured in Place
- Other

Thickness:

Thickness:

Thickness:

**Comments:**

**The above described sample was tested at : 17 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: 

Date: 12/15/2010

Reviewed by: 

Date: 12/14/10

Client: International Mulch Products

TUV Report No. QI1010083-7

Manufacturer: International Mulch Products

Test Date: 11/17/2010

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	17				112	782	33.1			
2	17				116	769	33.1			
3	17				106	653	33.1			
Average		0	0		111	711		0	0	
Measured Surface Temperature		°C	Max. Change from reference + 5°C ,(9°F)		24°C	Max. Change from reference ± 3°C ,(5.4°F)		°C	Max. Change from reference -3°C ,(-5.4°F)	
Sample Condition:		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:										



America