



TÜV SÜD America Inc.
Product Safety Services
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 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.: QI1010083-5
 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: 19.9°C
 Humidity: 35%

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: <u>Jan-11</u>	Environmental Chamber No.: <u>N/A</u>
Temperature Probe Calibration Due Date: <u>Jan-11</u>	Calibration Due Date: <u>N/A</u>
	Environmental Chamber No.: <u>N/A</u>
	Calibration Due Date: <u>N/A</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: *Timothy Foulcia* Date: 12/21/10

Reviewed by: *Kevin C. Smith* Date: 12/21/10

Client: International Mulch Products

TUV Report No. Q11010083-5

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	6				102	519	19.5			
2	6				105	503	19.5			
3	6				154	804	19.6			
Average		0	0		129.5	653.5		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:										

