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**

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

TUV Report No.: **QI1010083-10**
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: **20.6°C**
Humidity: **35%**

Test Equipment:

Triax 2000 Accelerometer Calibration Due Date: **Jan-11**
Temperature Probe Calibration Due Date: **Jan-11**

Environmental Chamber No.: **N/A**
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 ☐ Thickness:
Poured in Place ☐ Thickness:
Other ☐ 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: Kurt C. Sutton Date: 12/16/10

Client: **International Mulch Products**

Manufacturer: **International Mulch Products**

TUV Report No. **QI1010083-10**

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	623	33.1			
Average		0	0		111	696		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:										

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