



TUV SUD America Inc.

Product Safety Services

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IPEMA Surfacing Material Report – ASTM F1292-09

Client: Hanover Specialties
Manufacturer: Hanover Specialties
Manufacturing Location: Hauppauge, NY

TUV Report No.: QI1100501-1
Report Date: 2/2/2011
Test Date: 1/31/11 and 2/1/11
Initial Test
Follow up Test **Ref Job:**
Sample Receipt Date: 1/25/2011
Selection Date: N/A
Ambient Air Temperature: 21.1°C
Humidity: 21%

Phone: (631) 231-1300
Commercial Name of product: Eturf
Sample Selection: **Yes:** No: X
Date of Manufacture: Unknown
No. of samples submitted: 3 - 18in. X 18. Tiles

Test Equipment:

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

Environmental Chamber No.: PLYP00101
Calibration Due Date: 8/18/11
Environmental Chamber No.: PLYP00069
Calibration Due Date: 8/18/11

Loose fill Material Sample Description:

Loose Fill Wood: Un-compacted Depth: _____ Inches
Engineered Wood Fiber:
Rubber:
Sand: Compacted Depth: _____ Inches
Gravel:
Other:

Unitary Sample Description:

Tiles Thickness: _____
Poured in Place Thickness: 2.0 in.
Other Thickness: _____

Comments:

The above described sample was tested at : 5 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 Foubie Date: 2/2/11

Reviewed by: Scott C. Smith Date: 2/3/11

Client: **Hanover Specialties**

TUV Report No. **QI1100501-1**

Manufacturer: **Hanover Specialties**

Test Date: **1/31/11 and 2/1/11**

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	5	160	863	18.1	139	747	18.1	138	677	18.1
2	5	179	998	18.2	146	775	18.2	157	827	18.2
3	5	174	974	18.2	138	717	18.2	153	790	18.2
Average		176.5	986		142	746		155	808.5	
Measured Surface Temperature		(-6°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:										

