



TÜV SÜD America Inc.
Product Safety Services
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IPEMA Surfacing Material Report – ASTM F1292-09

Client: XGrass
 Manufacturer: XGrass
 Manufacturing Location: Rocky Face, GA
 Phone: (877) 881-8477
 Commercial Name of product: 50 oz Turf
 Date of Manufacture: Unknown
 No. of samples submitted: 3 - 18in. X 18in. Systems

TUV Report No.: QI1203786-1 Rev 1
 Report Date: 7/2/2012
 Test Date: 4/6 and 4/9/12
 Initial Test
 Follow up Test Ref Job:
 Sample Receipt Date: 3/30/2012
 Ambient Air Temperature: 20.0°C
 Humidity: 25.0%

Test Equipment:

Triax System 1: <input checked="" type="checkbox"/>	Environmental Chamber No.: <u>PLYP00101</u>
Triax System 2: <input type="checkbox"/>	Calibration Due Date: <u>8/1/12</u>
Accelerometer ID: <u>PLYP00089</u>	Environmental Chamber No.: <u>PLYP00069</u>
Accelerometer Calibration Due Date: <u>6/1/2012</u>	Calibration Due Date: <u>8/1/12</u>

Loose fill Material Sample Description:

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

Unitary Sample Description:

Foam Tiles <input checked="" type="checkbox"/>	Total Thickness: <u>2.75in.</u>
Poured in Place <input type="checkbox"/>	Top Layer: <u>1.75in.</u>
Turf <input checked="" type="checkbox"/>	Base Layer: <u>1.0in.</u>

Comments:

Rev 1: X grass requested that the name of the product be changed to 50 oz Turf.
 1.75 inch turf over 1.0 inch foam, tested over 3.0 inch compacted stone base.

System: _____

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: 

Date: 7/2/12

Reviewed by: 

Date: 7/2/2012

Drop	Specified Impact 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	109	591	19.7	102	465	19.7	107	471	19.7
2	6	96	521	19.7	106	497	19.8	105	460	19.7
3	6	98	514	19.8	105	479	19.8	108	468	19.8
Average		97	517.5		105.5	488		106.5	464	
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:										



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