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

Client: **Robertson Industries**
Manufacturer: **Robertson Industries**
Manufacturing Location: **Phoenix, AZ**

Phone: **(800) 858-0519**
Commercial Name of product: **TotTurf Synthetic Turf (SP-10)**
Date of Manufacture: **Unknown**
No. of samples submitted: **3 - 18in. X 18in. Systems**

TUV Report No.: **QI1201882**
Report Date: **2/28/2012**
Test Date: **2/27/12 and 2/28/12**
Initial Test ☑
Follow up Test ☐ **Ref Job:**
Sample Receipt Date: **2/22/2012**
Ambient Air Temperature: **22.1°C**
Humidity: **22.0%**

Test Equipment:

Triax System 1: ☑
Triax System 2: ☐
Accelerometer ID: **PLYP00089**
Accelerometer Calibration Due Date: **6/1/2012**

Environmental Chamber No.: **PLYP00101**
Calibration Due Date: **8/1/12**
Environmental Chamber No.: **PLYP00069**
Calibration Due Date: **8/1/12**

Loose fill Material Sample Description:

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

Un-compacted Depth: Inches

Compacted Depth: Inches

Unitary Sample Description:

Tiles ☐
SBR ☑
Turf ☑

Total Thickness: 6.0in.
Top Layer: 1.5in.
Base Layer: 4.5in.

Comments:

System: 1.5in. turf overlaying 4.5in. SBR base. Turf infilled with approximately 6lbs. of sand.

The above described sample was tested at : 10 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 Fawkes Date: 2/28/12

Reviewed by: Date: 2/28/2012

Client: **Robertson Industries**

TUV Report No. **QI1201882**

Manufacturer: **Robertson Industries**

Test Date: **2/27/12 and 2/28/12**

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	10	101	689	25.4	92	571	25.3	89	541	25.3
2	10	106	699	25.5	102	646	25.5	96	584	25.4
3	10	108	715	25.5	104	658	25.5	99	595	25.5
Average		107	707		103	652		97.5	589.5	
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:										

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