



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

Client: Rubbercycle, LLC
Manufacturer: Rubbercycle, LLC
Manufacturing Location: Lakewood, NJ
Phone: 732-3630600
Commercial Name of product: RB16N
Sample Selection: Yes: No: X
Date of Manufacture: Unknown
No. of samples submitted: 3 Samples

TUV Report No.: QI1102241-1
Report Date: 3/25/2011
Test Date: 3/22/2011
Initial Test ☐
Follow up Test ☐ Ref Job:
Sample Receipt Date: 3/15/2011
Selection Date: N/A
Ambient Air Temperature: 22.1°C
Humidity: 27%

Test Equipment:

Triax 2000 Accelerometer Calibration Due Date: Jul-11
Temperature Probe Calibration Due Date: Jan-12

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

Un-compacted Depth: _____ Inches
Compacted Depth: _____ Inches

Unitary Sample Description:

Tiles ☐
Poured in Place ☐
Other ☒

Thickness: 6.0 inches
Top Layer: 1.25" SBR
Base Layer: 4.75" Rubber Nugget

Comments:

Determine Critical Fall Heights are tested one foot above and one foot below the passing fall height. The system RB16N exceeded TUV SUD America's maximum test parameters of 16 feet. Consequently, TUV reports impact data at 14 ft, 15 ft and 16 ft

The above described sample was tested at : 16 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: 3/25/11

Reviewed by: _____

Date: 3/25/2011

Client: Rubbercycle, LLCTUV Report No. QI1102241-1Manufacturer: Rubbercycle, LLCTest Date: 3/22/2011

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	16	125	894	31.9	119	983	31.9	114	909	31.9
2	16	136	992	31.9	119	904	31.8	111	807	31.9
3	16	128	893	32.0	120	900	31.9	110	810	32.0
Average		132	942.5		119.5	902		110.5	808.5	
Measured Surface Temperature		-6°C	Max. Change from reference + 5°C ,(9°F)		23°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 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	15	123	937	30.9	114	842	30.9	92	628	30.9
2	15	127	925	31.0	114	838	31.0	96	647	30.9
3	15	124	874	31.0	112	807	31.0	98	665	31.0
Average		125.5	899.5		113	822.5		97	656	
Measured Surface Temperature		-6°C	Max. Change from reference + 5°C ,(9°F)		23°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	Two 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	14	115	824	29.8	111	817	29.8	94	687	29.8
2	14	112	750	29.9	110	804	29.9	88	579	29.9
3	14	110	707	30.0	105	730	29.9	89	576	29.9
Average		111	728.5		107.5	767		88.5	577.5	
Measured Surface Temperature		-6°C	Max. Change from reference + 5°C ,(9°F)		23°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		



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