

**TÜV SÜD America Inc.****Product Safety Services**

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SURFACING MATERIAL REPORT – ASTM F1292-18

Client: Everplay
Manufacturer: Everplay
Manufacturing Location: Brampton, ON, CAN
Phone: (416) 410-3056
Commercial Name of product: EVERPLAY "in situ" - 18ft.
Date of Manufacture: Unknown
No. of samples submitted: 3 - 21.5in. X 21.5in. Samples

Project No.: 72154519-3
Report Date: 11/12/2019
Test Date: 11/12/2019
Initial Test: ☒
Follow up Test: ☐ Ref Job:
Sample Receipt Date: 11/4/2019
Ambient Air Temperature: 20.7°C
Humidity: 20.0%

Test Equipment:

Triax System 5:	<input checked="" type="checkbox"/>	Environmental Chamber ID:	PLYP00069
Triax System 4:	<input type="checkbox"/>	Calibration Due Date:	9/9/2020
Accelerometer ID:	PLYP00117	Environmental Chamber ID:	PLYP00101
Accelerometer Calibration Date:	5/16/2019	Calibration Due Date:	9/9/2020

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:

Tiles	<input type="checkbox"/>	Total Thickness:	<u>12.0in.</u>
Poured in Place	<input checked="" type="checkbox"/>	Top Layer:	<u>See Comments</u>
Other	<input type="checkbox"/>	Base Layer:	<u>See Comments</u>

Comments:

- 1.) System: 38mm (1.5in.) wear layer, comprised of two material types approximately 19mm (0.75in) thick, overlaying 267mm (10.5in.) recycled rubber. Total system depth/thickness of 12.0in.
- 2.) Samples were provided by Customer in assembled wooden box, and tested as received.
- 3.) System description: Cushion layer of recycled rubber bound with polyurethane with low compaction wear layer of rubber granule bound with UV stable polyurethane densely packed.

The above described sample was tested at : 18 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. Compliance with this Standard does not constitute product certification.

Sample in compliance with ASTM F1292-18 at the temperature and rating specified? Yes ☒ No ☐

Signature: Timothy FranklinTitle: Project CoordinatorDate: 11/12/2019Reviewed by: [Signature]Title: Regional ManagerDate: 11/12/2019

Client: **Everplay**Project No.: **72154519-3**Manufacturer: **Everplay**Test Date: **11/12/2019**

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)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)
1	18	101	748	34.1	18.077	77	462	34.2	18.183	73	405	34.1	18.077
2	18	100	700	34.1	18.077	78	451	34.1	18.077	74	403	34.1	18.077
3	18	101	707	34.1	18.077	77	435	34.1	18.077	73	398	34.1	18.077
Average		100.5	703.5			77.5	443			73.5	400.5		
Measured Surface Temperature		(-5°C)	Max. Change from reference + 5°C, (5°F)				23°C	Max. Change from reference ± 3°C, (5°F)				48°C	Max. Change from reference -3°C, (-5°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)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)
1					0.000				0.000				0.000
2					0.000				0.000				0.000
3					0.000				0.000				0.000
Average		0	0			0	0			0	0		
Measured Surface Temperature		°C	Max. Change from reference + 5°C, (5°F)				°C	Max. Change from reference ± 3°C, (5°F)				°C	Max. Change from reference -3°C, (-5°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)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)
1					0.000				0.000				0.000
2					0.000				0.000				0.000
3					0.000				0.000				0.000
Average		0	0			0	0			0	0		
Measured Surface Temperature		°C	Max. Change from reference + 5°C, (5°F)				°C	Max. Change from reference ± 3°C, (5°F)				°C	Max. Change from reference -3°C, (-5°F)
Sample Condition:													

