

## TÜV SÜD America Inc.

**Product Safety Services** 

47523 Clipper Drive Plymouth, MI 48170

Phone: 734.455.4841

## **Surfacing Material Report – ASTM F1292-13**

Curracing Material Report Activity 1202 10												
Manufacturer: Manufacturing Location:	(714) 772-3000 Eco-Safety 3Inch Tile Unknown			F Sample	V Report No.: Report Date: Test Date: Initial Test ollow up Test Receipt Date: Temperature: Humidity:	4/14/2015 4/13/15 and 4/14/1  ☑ Ref Job: 4/8/2015 22.5°C	<u>5</u>					
		Test Equ	ıipment:									
	Triax System 4:			– Environmental (	Chamber No	PLYP00101						
	Triax System 1:	☐ Calibration Due D				20 September 1977						
	Accelerometer ID:	PLYP00089		Environmental (		PLYP00069						
Accelerameter C						8/11/15						
Accelerometer Calibration Due Date: 8/1/2015 Calibration Due Date: 8/11/15												
	<u>Loose fill</u>	Material S	ample D	escription:								
Engineered Wood Fiber:	П		Un-compacte	ed Depth:		Inches						
Loose Fill Wood			CONTRACTOR TO THE CONTRACTOR OF THE CONTRACTOR O									
Rubber:												
Sand:			Compacte	ed Depth:		Inches						
Gravel:												
Other:												
		ary Sampl	e Descrip	otion:								
	Unitary Sample Description:  Tiles ☑ Total Thickness: 3.0in.											
	Poured in Place		Top Layer: <u>0.5in.</u>									
	Other		Base Layer: 2.5in.									
Comments:					1.5	2.011.						
The maximum critical fa	all height of the abo sample was dete			Ft.								
he 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 the described samples. Samples of surfacing materials that do not closely match the described samples will perform differently. The following data sheet provides a accurate representation of the test results. Compliance with this Standard does not constitute product certification.												
ample in compliance with ASTM F	1292-13 at the temperatu	ıre and rating s	pecified?	Yes	V	No						
Signature: Timp	They Familia	Title: Rry	rest Coo	pod, nator	Date:	4/14/15	et -					
Reviewed by:	XV Dr	Title: Reg	ional	migh.	Date:	4/14/2015	-					

Client: Rubber-Cal, Inc.

TUV Report No.

72104957-2

Manufacturer: Rubber-Cal, Inc.

Test Date:

4/13/15 and 4/14/15

Drop I	Specified	Refe	rence Temper	rature -6°C, (2	1.2°F)	Refe	rence Temper	ature 23°C, (7	'3.4°F)	Reference Temperature 49°C, (120.2°F)			
	Impact Height (Ft.)	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)	Theoretica Drop Heigh (ft.)
1	7	145	883	21.3	7.053	145	856	21.3	7.053	147	913	21.3	7.053
2	7	149	899	21.3	7.053	154	929	21.3	7.053	145	919	21.3	7.053
3	7	147	868	21.3	7.053	147	890	21.3	7.053	150	960	21.3	7.053
Av	erage	148	883.5	(A. 120 A. 120 A.		150.5	909.5			147.5	939.5		
Measured Surface Temperature (-6°C)		Max, Cha	Max. Change from reference + 5°C, (5°F)		23°C	Max. Change from reference ± 3°C, (5°F)			49°C	Max. Change from reference -3°C, (-5°F)			
Sample Condition: DRY			DRY				DRY						

Drop	One foot over (Ft.)	Refe	rence Temper	ature -6°C, (2	1.2°F)	Refe	rence Temper	ature 23°C, (7	73.4°F)	Reference Temperature 49°C, (120.2°F)			
		G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	НІС	Velocity (fl/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)
1	8	163	1108	22.8	8.081	175	1214	22.8	8.081	173	1242	22.8	8.081
2	8	165	1098	22.8	8.081	172	1183	22.8	8.081	175	1268	22.8	8.081
3	8	173	1147	22.8	8.081	177	1223	22.8	8.081	175	1248	22.8	8.081
Av	erage	169	1122.5			174.5	1203	BOOK SEA		175	1258	图型数据	
Measured Surface Temperature		(-6°C)	(-6°C) Max. Change from reference + 5°C, (5°F)			23°C	Max. Change from reference ± 3°C, (5°F)			49°C	Max. Change from reference -3°C, (-5°F)		
Sample	Sample Condition: DRY			DRY DRY					RY				

Drop		Refe	rence Temper	rature -6°C, (2	21.2°F)	Refe	rence Tempe	rature 23°C, (	73.4°F)	Reference Temperature 49°C, (120.2°F)			
	One foot under (Ft.)	G-Max	HIC	Velocity (fl/s)	Theoretical Drop Height (fl.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Height (ft.)	G-Max	HIC	Velocity (ft/s)	Theoretical Drop Heigh (fl.)
1	6	128	690	19.7	6.033	125	652	19.7	6.033	127	680	19.7	6.033
2	6	134	694	19.7	6.033	135	714	19.7	6.033	133	724	19.7	6.033
3	6	134	691	19.7	6.033	133	696	19.7	6.033	128	686	19.7	6.033
Av	verage	134	692.5			134	705	1 123/8	The section	130.5	705		THE TAX
Measured Sur	Measured Surface Temperature (-6°C)  Max. Change from reference + 5°C, (5°F)		rence + 5°C,	23°C	Max. Change from reference $\pm$ 3°C, (5°F)			49°C	C Max. Change from reference -3°C, (-5°F)				
Sample	Sample Condition: DRY			DRY				DRY					

