

**Product Safety Services** 47523 Clipper Drive Plymouth, MI 48170

Phone: 734.455.4841

	Surfacing W	iatoriar ito	DOIL - HOTHI I 1202			
Manufacturer: Manufacturing Location:	(951) 250-6039 MaxPour - 2" Unknown	nc.	F Sample	V Report No.: Report Date: Test Date: Initial Test follow up Test Receipt Date: Temperature: Humidity:	4/14/2015 4/6/15 and 4/7/15 ☑ Ref Job: 4/6/2015 22.6°C	
		Test Equ	uipment:			
	Triax System 4:	✓	Environmental (	Chamber No.:	PLYP00101	
	Triax System 1:		Calibrati	ion Due Date:	6/17/15	
	Accelerometer ID:	PLYP00089	Environmental 6	Chamber No.:	PLYP00069	
Accelerometer C	alibration Due Date:	8/1/2015	Calibrati	ion Due Date:	8/11/15	8
	Loose fi	II Material S	Sample Description:			
Engineered Wood Fiber:			Un-compacted Depth:		Inches	
Loose Fill Wood						
Rubber:						
Sand:			Compacted Depth:		Inches	
Gravel:						
Other:						
	Un	itary Samp	le Description:			
	Tiles			al Thickness:	2 Oin	
	Poured in Place	☑		Top Layer:		
	Other			Base Layer:	1.5in.	
Comments:				,		
odilinents.						
The above d	escribed sample	was tested a	t: <u>4</u> <u>Ft.</u>			
The results reported herein reflect the p to the described samples. Samples of s an accurate representation of the test re	urfacing materials that de	o not closely match	n the described samples will perfo	rm differently. T	reported. The results a he following data shee	are specific et provides
Sample in compliance with ASTM F	1292-13 at the tempera	ture and rating s	pecified? Yes	$\checkmark$	No	
Signature: Simol	Tombia	Title: Proj.	ect Coordinator	Date:	1/14/15	
	U	P	)		7, /,	

#### **Product Safety Services**

47523 Clipper Drive Plymouth, MI 48170

Phone: 734.455.4841

Manufacturer: Manufacturing Location:	(951) 250-6039 MaxPour - 2.5" Unknown	es	F Sample I Ambient Air	V Report No.: Report Date: Test Date: Initial Test follow up Test Receipt Date: Temperature: Humidity:	4/14/2015 4/6/15 and 4/7/15 ☑ Ref Job: 4/6/2015 22.6°C	
		Test Equi	oment:_			
	Triax System 4:	$\checkmark$	Environmental (	Chamber No.:	PLYP00101	
	Triax System 1:		Calibrati	on Due Date:	6/17/15	
	Accelerometer ID:	PLYP00089	Environmental (	Chamber No.:	PLYP00069	
Accelerometer C	alibration Due Date:	8/1/2015	Calibrati	on Due Date:	8/11/15	
	Loose fill		mple Description:			
Engineered Wood Fiber:		Uı	n-compacted Depth:		Inches	
Loose Fill Wood						
Rubber:						
Sand:			Compacted Depth:		Inches	
Gravel:						
Other:						
	Unit	ary Sample	Description:			
	Tiles			l Thickness:	2 Eln	
	Poured in Place	☑		Ton Louisi	0.5in.	
	Other			Base Layer:		
Comments:					2.011.	
	escribed sample w		<u>5</u> <u>Ft.</u>			
The results reported herein reflect the p to the described samples. Samples of s an accurate representation of the test re	urfacing materials that do i	not closely match th	e described samples will perfor	rm differently. T	reported. The results a he following data shee	are specific et provides
Sample in compliance with ASTM F	292-13 at the temperatu	re and rating spe	cified? Yes	$\checkmark$	No	
Signature: Time	the Temlis	Title: Project	+ Condinates	Date:	4/14/15	
Reviewed by:	XV ~	Title: Kcg	sonal mar.	Date:	4/15/15	



**Product Safety Services** 

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	Surracing Ivia	iteriai Kep	Ort - ASTIM F129	Z-13		
Manufacturer: Manufacturing Location:	(951) 250-6039 MaxPour - 3" Unknown	<u>.</u>	Sample	JV Report No.: Report Date: Test Date: Initial Test Follow up Test Receipt Date: r Temperature: Humidity:	4/14/2015 4/6/15 and 4/7/15 ☑ Ref Job: 4/6/2015 22.6°C	
		Test Equi	pment:			
	Triax System 4:		Environmental	Chamber No.:	PLYP00101	
	Triax System 1:		Calibra	ation Due Date:	6/17/15	
	Accelerometer ID:	PLYP00089	Environmental	Chamber No.:	PLYP00069	
Accelerometer C	Calibration Due Date:	8/1/2015	Calibra	ation Due Date:	8/11/15	
	Loose fill	Material Sa	ample Description			
Engineered Wood Fiber:	-	ι	In-compacted Depth:		Inches	
Loose Fill Wood						
Rubber	_					
Sand	_		Compacted Depth:		Inches	
Gravel:	_					
Other	_					
	Unit	arv Sample	Description:			
	Tiles			tal Thickness:	2 Oin	
	Poured in Place	☑		Top Layer:		
	Other			Base Layer:	2.5in.	
Comments:		_			and the second	
The above o	described sample w	as tested at	<u>6 Ft.</u>			
The results reported herein reflect the o the described samples. Samples of an accurate representation of the test i	surfacing materials that do n	not closely match t	he described samples will perf	form differently. T	reported. The results a he following data shee	are specific et provides
Sample in compliance with ASTM F	1292-13 at the temperatu	ire and rating sp	ecified? Yes	$\checkmark$	No	
Signature: Jug	the Foulin	Title: Proje	et Coordinator	Date:	4/14/15	-
Reviewed by:	40L	Title: Reg	would make	Date:	4/15/2015	



### **Product Safety Services**

47523 Clipper Drive Plymouth, MI 48170

Phone: 734.455.4841

Manufacturer: Manufacturing Location:	(951) 250-6039 MaxPour - 3.5" Unknown	<u>c.</u>	Fo	Report Date: Test Date: Initial Test Illow up Test deceipt Date:	4/6/15 and 4/7/15 ☑ ☐Ref Job: 4/6/2015 22.6°C	
		Test Equ	uipment:			
	Triax System 4:	abla	Environmental C	hamber No.:	PLYP00101	
	Triax System 1:		Calibratio	n Due Date:	6/17/15	
	Accelerometer ID:	PLYP00089	Environmental C	hamber No.:	PLYP00069	
Accelerometer C	alibration Due Date:	8/1/2015	Calibratio	n Due Date:	8/11/15	
	Loose fill	Material S	Sample Description:			
Engineered Wood Fiber:	п		Un-compacted Depth:		Inches	
Loose Fill Wood						
Rubber:						
Sand:			Compacted Depth:		Inches	
Gravel:						
Other:						
	Unit	arv Sampl	le Description:			
	Tiles			Thickness:	0.51-	
	Poured in Place		1000	Top Layer:		
	Other			Base Layer:	0.5III.	
Comments					3.UIII.	
Comments:						
The above o	lescribed sample w	vas tested a	<u>t: 7 Ft.</u>			
The results reported herein reflect the p to the described samples. Samples of s an accurate representation of the test of	surfacing materials that do	not closely match	the described samples will perform	emperature(s) n differently. T	reported. The results he following data she	are specific et provides
Sample in compliance with ASTM F	1292-13 at the temperate	ure and rating s	pecified? Yes	$\overline{\mathbf{v}}$	No	
Signature: January Reviewed by:	My Foulie	Title: Reg	grown mga.	Date:	4/14/15	-



#### **ABC PLAYGROUND SAFETY**

2235 243rd, Lomita, CA 90717 Phone: (310) 880-6126 sales@abcplaygroundsafety.com www.abcplaygroundsafety.com

# TRIAX 2000 Data Acquisition and Analysis Report

### PlayMax Surfacing

Report Date: 12-18-15

Drop	Material Size	Drop Height (Feet)	Drop Height Ft/Sec.	Angle	G Max - Peak	HIC Head Injury Criterion	Time		
07	Sample MaxPour								
1	4 1/4"	8'	22.6	3	114	721	12:31		
2	4 1/4"	8'	22.6	1	120	784	12:32		
3	4 1/4"	8'	22.6	2	120	788	12:33		
Avg 2 & 3					120	786			





PPSPLAY032

#### TÜV SÜD America Inc.

Product Safety Services 47523 Clipper Drive

Plymouth, MI 48170

Phone: 734.455.4841

Client: PlayMax Surfacing.Inc. Manufacturer: PlayMax Surfacing.Inc. Manufacturing Location: Coronas, CA Test Dollar 47142015 Report Date: 471472015 Initial Test Dollar 471472015 Initial		ourideing w	ateriai ite	POIL AOTH TIES	2-10		
Triax System 4:	Manufacturer: Menufacturing Location: Phone: Commercial Name of product: Date of Manufacture:	PlayMax Surfacing, In Corona, CA (951) 250-6039 MaxPour - 5" Unknown	<u>ic.</u>	Sample	Report Date: Test Date: Initial Test Follow up Test e Receipt Date: r Temperature:	4/14/2015 4/7/2015 ☑ Ref Job: 4/6/2015 22.6°C	
Triax System 1:			Test Equ	uipment:			
Accelerometer ID: PLYP00089 Environmental Chamber No.: PLYP00069 Accelerometer Calibration Due Date: 8/1/2015 Calibration Due Date: 8/11/15    Loose fill Material Sample Description:		Triax System 4:	✓	Environmental	Chamber No.:	PLYP00101	
Loose fill Material Sample Description:		Triax System 1:		Calibra	ition Due Date:	6/17/15	
Engineered Wood Fiber:    Un-compacted Depth: Inches    Loose Fill Wood		Accelerometer ID:	PLYP00089	Environmental	Chamber No.:	PLYP00069	
Engineered Wood Fiber:	Accelerometer C	alibration Due Date:	8/1/2015	Calibra	ation Due Date:	8/11/15	
Lose Fill Wood		Loose fill	Material S	Sample Description:	<u>:</u>		
Loose Fill Wood	Engineered Wood Fiber:	П		Un-compacted Depth:		Inches	
Rubber: Sand: Compacted Depth: Inches    Sand: Gravel:							
Unitary Sample Description:    Titles	Rubber:						
Unitary Sample Description:  Tiles  Poured in Place Other  Other  Top Layer:  0.50in.  Base Layer:  4.5in.  Comments:  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 in accurate representation of the test results. Compliance with this Standard does not constitute product certification.  Signature: Titulis  Title:  Fared Comments  Date: 4/4/15	Sand:			Compacted Depth:		Inches	
Unitary Sample Description:  Tiles	Gravel:						
Tiles	Other:						
Tiles		Unit	tarv Sampl	e Description:			
Poured in Place Other  Other  Top Layer: 0.50in. Base Layer: 4.5in.  Comments:  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 in accurate representation of the test results. Compliance with this Standard does not constitute product certification.  Signature:  Title:  Provided Top Layer: 0.50in. Base Layer: 0.50in. Base Layer: 0.50in.  4.5in.  Date: 4.5in.  Date: 4.5in.  Date: 4.5in.  Date: 4.5in.					tal Thickness:	E Oin	
Comments:  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 in accurate representation of the test results. Compliance with this Standard does not constitute product certification.  Signature: Title: Franct Community Date:							
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 in accurate representation of the test results. Compliance with this Standard does not constitute product certification.  Signature: Title: Provided Coordinator Date: 1/4/15		Other			Base Layer:	4.5in	
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 in accurate representation of the test results. Compliance with this Standard does not constitute product certification.  Signature: Signature: Signature: Title: Frage Cookington Date: 4/4/15	Comments:				,	4.011.	
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Signature:   Signa	The above	described sample v	was tested a	t: <u>10 Ft.</u>			
Signature: Dinesting Truling Title: Project Coordinator Date: 1/4/15	the described samples. Samples of s	surfacing materials that do	not closely match	the described samples will perf	orm differently. T	reported. The results he following data she	are specific et provides
	ample in compliance with ASTM F	1292-13 at the temperate	ure and rating s	pecified? Yes	abla	No	
reviewed by. 1 Date. 7/15/15		Tulin	Title:	jest Coordinator		4/4/15	-
	Reviewed by:	~ 0 0	Title.	growal righ.	Date.	7/13/13	-