



TUV SUD America Inc.

Product Safety Services

47523 Clipper Drive

Plymouth, MI 48170

Phone: 734.455.4841

Surfacing Material Report – ASTM F1292-13

Client: PlayMax Surfacing, Inc.
Manufacturer: PlayMax Surfacing, Inc.
Manufacturing Location: Corona, CA

TUV Report No.: 72104954-1
Report Date: 4/14/2015
Test Date: 4/6/15 and 4/7/15
Initial Test
Follow up Test Ref Job:
Sample Receipt Date: 4/6/2015
Ambient Air Temperature: 22.6°C
Humidity: 21.0%

Phone: (951) 250-6039
Commercial Name of product: MaxPour - 2"
Date of Manufacture: Unknown
No. of samples submitted: 3 - 18in. X 18in. Samples

Test Equipment:

Triax System 4:	<input checked="" type="checkbox"/>	Environmental Chamber No.:	PLYP00101
Triax System 1:	<input type="checkbox"/>	Calibration Due Date:	6/17/15
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:

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>2.0in.</u>
Poured in Place:	<input checked="" type="checkbox"/>	Top Layer:	<u>0.5in.</u>
Other:	<input type="checkbox"/>	Base Layer:	<u>1.5in.</u>

Comments:

The above described sample was tested at : 4 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 F1292-13 at the temperature and rating specified? Yes No

Signature: Timothy Franklin Title: Project Coordinator Date: 4/14/15

Reviewed by: [Signature] Title: Regional mgr. Date: 4/15/15



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Surfacing Material Report – ASTM F1292-13

Client: PlayMax Surfacing, Inc.
 Manufacturer: PlayMax Surfacing, Inc.
 Manufacturing Location: Corona, CA

TUV Report No.: 72104954-2
 Report Date: 4/14/2015
 Test Date: 4/6/15 and 4/7/15
 Initial Test
 Follow up Test **Ref Job:**
 Sample Receipt Date: 4/6/2015
 Ambient Air Temperature: 22.6°C
 Humidity: 21.0%

Phone: (951) 250-6039
 Commercial Name of product: MaxPour - 2.5"
 Date of Manufacture: Unknown
 No. of samples submitted: 3 - 18in. X 18in. Samples

Test Equipment:

Triax System 4:	<input checked="" type="checkbox"/>	Environmental Chamber No.:	<u>PLYP00101</u>
Triax System 1:	<input type="checkbox"/>	Calibration Due Date:	<u>6/17/15</u>
Accelerometer ID:	<u>PLYP00089</u>	Environmental Chamber No.:	<u>PLYP00069</u>
Accelerometer Calibration Due Date:	<u>8/1/2015</u>	Calibration Due Date:	<u>8/11/15</u>

Loose fill Material Sample Description:

Engineered Wood Fiber:	<input type="checkbox"/>	Un-compacted Depth:	<u> </u> Inches
Loose Fill Wood:	<input type="checkbox"/>		
Rubber:	<input type="checkbox"/>		
Sand:	<input type="checkbox"/>	Compacted Depth:	<u> </u> Inches
Gravel:	<input type="checkbox"/>		
Other:	<input type="checkbox"/>		

Unitary Sample Description:

Tiles:	<input type="checkbox"/>	Total Thickness:	<u>2.5in.</u>
Poured in Place:	<input checked="" type="checkbox"/>	Top Layer:	<u>0.5in.</u>
Other:	<input type="checkbox"/>	Base Layer:	<u>2.0in.</u>

Comments:

The above described sample was tested at : 5 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 F1292-13 at the temperature and rating specified? Yes No

Signature: *Timothy Fambria* Title: Project Coordinator Date: 4/14/15
 Reviewed by: *[Signature]* Title: Regional mgr. Date: 4/15/15



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Surfacing Material Report – ASTM F1292-13

Client: PlayMax Surfacing, Inc.
Manufacturer: PlayMax Surfacing, Inc.
Manufacturing Location: Corona, CA

TUV Report No.: 72104954-3
Report Date: 4/14/2015
Test Date: 4/6/15 and 4/7/15
Initial Test
Follow up Test Ref Job:
Sample Receipt Date: 4/6/2015
Ambient Air Temperature: 22.6°C
Humidity: 21.0%

Phone: (951) 250-6039
Commercial Name of product: MaxPour - 3"
Date of Manufacture: Unknown
No. of samples submitted: 3 - 18in. X 18in. Samples

Test Equipment:

Triax System 4: Environmental Chamber No.: PLYP00101
Triax System 1: Calibration Due Date: 6/17/15
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:

Engineered Wood Fiber: Un-compacted Depth: _____ Inches
Loose Fill Wood
Rubber:
Sand: Compacted Depth: _____ Inches
Gravel:
Other:

Unitary Sample Description:

Tiles Total Thickness: 3.0in.
Poured in Place Top Layer: 0.5in.
Other Base Layer: 2.5in.

Comments:

The above described sample was tested at : 6 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 F1292-13 at the temperature and rating specified? Yes No

Signature: Timothy Foubler Title: Project Coordinator Date: 4/14/15

Reviewed by: [Signature] Title: Regional mgr. Date: 4/15/2015



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Surfacing Material Report – ASTM F1292-13

Client: PlayMax Surfacing, Inc.
 Manufacturer: PlayMax Surfacing, Inc.
 Manufacturing Location: Corona, CA
 Phone: (951) 250-6039
 Commercial Name of product: MaxPour - 3.5"
 Date of Manufacture: Unknown
 No. of samples submitted: 3 - 18in. X 18in. Samples

TUV Report No.: 72104954-4
 Report Date: 4/14/2015
 Test Date: 4/6/15 and 4/7/15
 Initial Test
 Follow up Test Ref Job:
 Sample Receipt Date: 4/6/2015
 Ambient Air Temperature: 22.6°C
 Humidity: 22.0%

Test Equipment:

Triax System 4:	<input checked="" type="checkbox"/>	Environmental Chamber No.:	<u>PLYP00101</u>
Triax System 1:	<input type="checkbox"/>	Calibration Due Date:	<u>6/17/15</u>
Accelerometer ID:	<u>PLYP00089</u>	Environmental Chamber No.:	<u>PLYP00069</u>
Accelerometer Calibration Due Date:	<u>8/1/2015</u>	Calibration Due Date:	<u>8/1/15</u>

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>3.5in.</u>
Poured in Place	<input checked="" type="checkbox"/>	Top Layer:	<u>0.5in.</u>
Other	<input type="checkbox"/>	Base Layer:	<u>3.0in.</u>

Comments:

The above described sample was tested at : 7 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 F1292-13 at the temperature and rating specified? Yes No

Signature: Timothy Franklin Title: Project Coordinator Date: 4/14/15

Reviewed by: [Signature] Title: Regional mgr. Date: 4/15/15



ABC PLAYGROUND SAFETY
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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
Sample MaxPour							
1	4 ¼"	8'	22.6	3	114	721	12:31
2	4 ¼"	8'	22.6	1	120	784	12:32
3	4 ¼"	8'	22.6	2	120	788	12:33
Avg 2 & 3					120	786	





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Client: PlayMax Surfacing, Inc.
Manufacturer: PlayMax Surfacing, Inc.
Manufacturing Location: Corona, CA

Phone: (951) 250-6039
Commercial Name of product: MaxPour - 5"
Date of Manufacture: Unknown
No. of samples submitted: 3 - 18in. X 18in. Samples

TUV Report No.: 72104954-6
Report Date: 4/14/2015
Test Date: 4/7/2015
Initial Test
Follow up Test Ref Job:
Sample Receipt Date: 4/6/2015
Ambient Air Temperature: 22.6°C
Humidity: 22.0%

Test Equipment:

Triax System 4:	<input checked="" type="checkbox"/>	Environmental Chamber No.:	<u>PLYP00101</u>
Triax System 1:	<input type="checkbox"/>	Calibration Due Date:	<u>6/17/15</u>
Accelerometer ID:	<u>PLYP00089</u>	Environmental Chamber No.:	<u>PLYP00069</u>
Accelerometer Calibration Due Date:	<u>8/1/2015</u>	Calibration Due Date:	<u>8/11/15</u>

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>5.0in.</u>
Poured in Place	<input checked="" type="checkbox"/>	Top Layer:	<u>0.50in.</u>
Other	<input type="checkbox"/>	Base Layer:	<u>4.5in.</u>

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 an accurate representation of the test results. Compliance with this Standard does not constitute product certification.

Sample in compliance with ASTM F1292-13 at the temperature and rating specified? Yes No

Signature: Justin F. Franklin Title: Project Coordinator Date: 4/14/15
Reviewed by: [Signature] Title: Regional mgr. Date: 4/15/15