



DETROIT TESTING LABORATORY, INC.

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Surfacing Material Report – ASTM F1292-04

Client: **GREATMATS**
Manufacturer: **GREATMATS**
Manufacturing Location: **Milltown, WI**
Commercial Name of product: **40mm pads**

Date of Manufacture: **Unknown**
No. of samples submitted: Three, (3)

DTL Report No.: **8028012**
Report Date: **3/6/2008**
Test Date: **3/5/2008**
Initial Test
Follow up Test Ref Job:
Sample Selection
Selection Date: **N/A**
Sample Receipt Date: **2/21/2008**
Ambient Air Temperature: **24°C**

Test Equipment:

DTL Guided Wire Tower Accelerometer Calibration Due Date: N/A
Triax 2000 Accelerometer Calibration Due Date: 9/5/2008
Temperature Probe Calibration Due: 2/2008
Environmental Chamber No.: N/A
Calibration Due Date: N/A
Environmental Chamber No.: N/A
Calibration Due Date: N/A

Loose fill Material Sample Description: N/A

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

Unitary Sample Description:

Foam Tiles Thickness: **40mm**
Poured in Place Thickness:
Other Thickness:

Comments:

Per customer request, testing was performed at 23°C only.

The maximum critical fall height of 40mm foam pads was determined 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.

Sample in compliance with ASTM F1292-04 at the temperature and rating specified? Yes No

Signature:

Date: 3/6/2008

Reviewed by:

Date: 3-6-2008

Client: **GREATMATS**

DTL Report No. **8028012**

Manufacturer: **GREATMATS**

Test Date: **3/5/2008**

Drop	Maximum Critical fall height	Reference Temperature -6°C			Reference Temperature 23°C			Reference Temperature 49°C		
		G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)
1	4				102	394	16.1			
2	4				121	493	16.2			
3	4				128	535	16.2			
Average		0	0		124.5	514		0	0	
Measured Surface Temperature		°C	Max. Change from reference + 5°C		24°C	Max. Change from reference ± 3°C		°C	Max. Change from reference -3°C	
Sample Condition:		Dry								

Drop	One foot over (Ft.)	Reference Temperature -6°C			Reference Temperature 23°C			Reference Temperature 49°C		
		G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)
1	5				143	697	18.0			
2	5				188	984	18.1			
3	5				215	1108	18.2			
Average		0	0		201.5	1046		0	0	
Measured Surface Temperature		°C	Max. Change from reference + 5°C		24°C	Max. Change from reference ± 3°C		°C	Max. Change from reference -3°C	
Sample Condition:		Dry								

Drop	One foot under (Ft.)	Reference Temperature -6°C			Reference Temperature 23°C			Reference Temperature 49°C		
		G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)	G-Max	HIC	Velocity (ft/s)
1	3				83	268	14.0			
2	3				88	284	14.1			
3	3				97	333	14.2			
Average		0	0		92.5	308.5		0	0	
Measured Surface Temperature		°C	Max. Change from reference + 5°C		24°C	Max. Change from reference ± 3°C		°C	Max. Change from reference -3°C	
Sample Condition:		Dry								

