

# NORTHWEST LABORATORIES *of Seattle, Incorporated*

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Report To: Reuser, Inc.  
 Attention: Merle Reuser

Date: April 14, 2009

Report On: Shock Attenuation of Playground Pads

Lab No.: E82910-3

**TEST STANDARD:** ASTM F1292-04

**TITLE:** Impact Attenuation of Surface Systems Under and Around Playground Equipment.

**PRODUCT NAME:** Play-Pad

**PRODUCT DESCRIPTION:** 100% Pre-Consumer Recycled Conifer Wood Chips

**TEST RESULTS:** Tested with 12" Depth

<u>Temperature</u>	<u>Drop Height (Feet)</u>	<u>Drop</u>	<u>Gmax</u>	<u>HIC</u>
70°	12	1	114	720
	12	2	124	772
	12	3	124	772
		Avg. (Drop 2 & 3)	124	772
25°	12	1	128	764
	12	2	140	899
	12	3	153	1022
		Avg. (Drop 2 & 3)	146.5	960.5
120°	12	1	93	526
	12	2	110	644
	12	3	116	809
		Avg. (Drop 2 & 3)	113	726.5
70°	13	1	134	912
	13	2	142	1009
	13	3	150	1083
		Avg. (Drop 2 & 3)	146	1046
25°	13	1	145	1018
	13	2	155	1116
	13	3	164	1174
		Avg. (Drop 2 & 3)	159.5	1145
120°	13	1	122	857
	13	2	136	946
	13	3	141	993
		Avg. (Drop 2 & 3)	138.5	969.5

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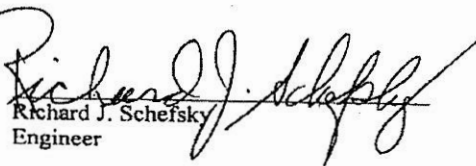
<u>Temperature</u>	<u>Drop Height (Feet)</u>	<u>Drop</u>	<u>Gmax</u>	<u>HIC</u>
70°	11	1	131	871
	11	2	138	908
	11	3	144	965
		Avg. (Drop 2 & 3)	141	936.5
25°	11	1	138	879
	11	2	139	858
	11	3	148	935
		Avg. (Drop 2 & 3)	143.5	896.5
120°	11	1	109	649
	11	2	127	802
	11	3	135	854
		Avg. (Drop 2 & 3)	131	828

## CONCLUSION:

In accordance with ASTM F1292-04, this product qualifies for a fall height of twelve (12) feet.

This report applies only to the actual samples tested. Northwest Laboratories does not certify, warrant, or guarantee any products manufactured by others. Samples discarded within **thirty (30) days** unless otherwise requested in writing by you.

NORTHWEST LABORATORIES, INC.

  
Richard J. Schefsky  
Engineer

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Report To: Reuser, Inc.  
Attention: Merle Reuser

Date: March 24, 2009

Report On: Sieve Analysis

Lab No.: E82910-1

**Identification:** Play-Pad Conifer Wood Chips

**Analysis:** Per ASTM F2075 (para 4.4)

<u>Sieve Size</u>	<u>% Passing</u>	<u>% Passing Specified</u>
3/8 inch	100	99 - 100
3/8 inch	94.7	85 - 100
No. 16	2.0	0 - 15

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NORTHWEST LABORATORIES, INC.



Omar Simon, Chemist

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