



TECHNICAL REPORT

Technical evaluation of a synthetic turf product.
Everblade 50.

Report Number **R14545CAN-B1**

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RYMAR

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This report contains 5 pages in total.

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DESCRIPTION OF THE PRODUCT TESTED

Name of the product	EVERBLADE 50	
Sample number	CAN0001580	
Date of the tests	NOVEMBER 2014	
Artificial grass		
Name of the turf carpet/code	EVERBLADE 50	
Pile height (mm)	42	
Infill		
	Infill	Manufacturer
Sand	SILICEOUS	INFORMATION NOT SUBMITTED
Layer	Infill	Recipe (kg/m ²)
Lower	SAND	1.75 LBS/FT ²
Approx. Infill depth (mm)	8	
Shock-pad		
Name	INFORMATION NOT SUBMITTED	
Composition	INFORMATION NOT SUBMITTED	
Thickness	2 INCHES	

REPORTED BY:



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RESULTS

Property	Test method	Condition	Units	Results
Tuft Bind of pile floor covering	ASTM D1335-05	New	N	46.4
			<i>lbf</i>	10.4
Mass Per Unit Area	ASTM D5848-05	New	g/m²	2504
			<i>oz/yd²</i>	73.9
Tuft Height of pile floor covering	ASTM D5823-05a	New	mm	40
			<i>in.</i>	1.57
Breaking Strength of Textile Fabrics Fabrics	ASTM D5034-95	Machine Direction	N	1703
			<i>lbf</i>	382.8
			<i>% elongation</i>	29.2
		Cross Direction	N	1242
			<i>lbf</i>	279.3
			<i>% elongation</i>	18.4
Relative Abrasiveness	ASTM F1015	With infill	Abrasiveness index	22.7
Total lead content	ASTM F2765	New – Large Dark green	ppm	<0.1
		New –Dark green	ppm	<0.1
		New – Light green	ppm	<0.1
		New – Green Thatch	ppm	<0.1
		New – Yellow Thatch	ppm	<0.1
Flammability of pile floor covering	ASTM D2859	With infill	Pass/Fail	8/8 Pass

Property	Test method	Condition	Parameters	Units	Results
Flammability Flooring radiant panel	ASTM E648	With infill	Radiant Flux at 10 minutes	W/cm ²	0.93
			Flame spread at 10 minutes	mm	237
			Radiant Flux at 15 minutes	W/cm ²	0.71
			Flame spread at 15 minutes	mm	310
			Radiant Flux at 30 minutes	W/cm ²	0.48
			Flame spread at 30 minutes	mm	46
			Critical Radiant Flux at extinguishment	W/cm ²	0.48
			Extent of flame travel	mm	410
			Burning characteristics		

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PROPERTY	TEST METHOD	CONDITION	FALL HEIGHT	UNITS	REQUIREMENTS	RESULTS
HIC	ASTM F1292	23°C	10' (3.05 m)	H.I.C.	<1000	708
				Gmax	<200	105
			9' (2.74 m)	H.I.C.	<1000	535
				Gmax	<200	92
			8' (2.44 m)	H.I.C.	<1000	451
				Gmax	<200	85
		49°C	10' (3.05 m)	H.I.C.	<1000	449
				Gmax	<200	77
			9' (2.74 m)	H.I.C.	<1000	386
				Gmax	<200	74
			8' (2.44 m)	H.I.C.	<1000	308
				Gmax	<200	65
		-6°C	10' (3.05 m)	H.I.C.	<1000	1205
				Gmax	<200	155
			9' (2.74 m)	H.I.C.	<1000	987
				Gmax	<200	146
			8' (2.44 m)	H.I.C.	<1000	881
				Gmax	<200	129