



TECHNICAL REPORT

Technical evaluation of a synthetic turf product.
Rymar Everblade.

Report Number **R14545CAN-D1**

Client **Corey Ukroenz**
RYMAR

Date **November 13th 2014**

This report contains 5 pages in total.

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DESCRIPTION OF THE PRODUCT TESTED

Name of the product	RYMAR EVERBLADE	
Sample number	CAN0001582	
Date of the tests	NOVEMBER 2014	
Artificial grass		
Name of the turf carpet/code	RYMAR EVERBLADE	
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	31.9
			<i>lbf</i>	7.2
Mass Per Unit Area	ASTM D5848-05	New	g/m²	3073
			<i>oz/yd²</i>	90.63
Tuft Height of pile floor covering	ASTM D5823-05a	New	mm	41
			<i>in.</i>	1.61
Breaking Strength of Textile Fabrics Fabrics	ASTM D5034-95	Machine Direction	N	1568
			<i>lbf</i>	352.4
			<i>% elongation</i>	26.6
		Cross Direction	N	1207
			<i>lbf</i>	271.4
			<i>% elongation</i>	17.5
Relative Abrasiveness	ASTM F1015	With infill	Abrasiveness index	22.5
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	0.89
			Flame spread at 10 minutes	mm	203
			Radiant Flux at 15 minutes	W/cm ²	0.62
			Flame spread at 15 minutes	mm	347
			Radiant Flux at 30 minutes	W/cm ²	0.32
			Flame spread at 30 minutes	mm	500
			Critical Radiant Flux at extinguishment	W/cm ²	0.28
			Extent of flame travel	mm	553
			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	648
				Gmax	<200	99
			9' (2.74 m)	H.I.C.	<1000	514
				Gmax	<200	89
			8' (2.44 m)	H.I.C.	<1000	434
				Gmax	<200	83
		49°C	10' (3.05 m)	H.I.C.	<1000	423
				Gmax	<200	73
			9' (2.74 m)	H.I.C.	<1000	338
				Gmax	<200	67
			8' (2.44 m)	H.I.C.	<1000	286
				Gmax	<200	67
		-6°C	10' (3.05 m)	H.I.C.	<1000	1051
				Gmax	<200	140
			9' (2.74 m)	H.I.C.	<1000	904
				Gmax	<200	140
			8' (2.44 m)	H.I.C.	<1000	776
				Gmax	<200	119