



TECHNICAL REPORT

Technical evaluation of a synthetic turf product.
Rymar 51.

Report Number **R14545CAN-C1**

Client **Corey Ukroenz**
RYMAR

Date **November 13th 2014**

This report contains 5 pages in total.

It may not be used for commercial purposes, unless it is reproduced in its entirety.

LABOSPORT CANADA

5661, rue de Lanaudière, Suite 200, Montréal (Québec) H2G 3A5 CANADA

contact@labosport.ca

Tel. +1 514 277 9111 • Fax. +1 514 277 9112

www.labosport.ca

DESCRIPTION OF THE PRODUCT TESTED

Name of the product	RYMAR 51	
Sample number	CAN0001581	
Date of the tests	NOVEMBER 2014	
Artificial grass		
Name of the turf carpet/code	RYMAR 51	
Pile height (mm)	50	
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:



Mickaël Benetti, T.P.
(Lab Manager) - Writer



Guillaume Loubersac
(Director) - Approver

RESULTS

Property	Test method	Condition	Units	Results
Tuft Bind of pile floor covering	ASTM D1335-05	New	N	74.3
			<i>lbf</i>	16.7
Mass Per Unit Area	ASTM D5848-05	New	g/m²	2643
			<i>oz/yd²</i>	78.0
Tuft Height of pile floor covering	ASTM D5823-05a	New	mm	50
			<i>in.</i>	1.97
Breaking Strength of Textile Fabrics Fabrics	ASTM D5034-95	Machine Direction	N	1700
			<i>lbf</i>	382.2
			<i>% elongation</i>	25.1
		Cross Direction	N	1719
			<i>lbf</i>	386.5
			<i>% elongation</i>	20.7
Relative Abrasiveness	ASTM F1015	With infill	Abrasiveness index	30.9
Total lead content	ASTM F2765	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	0.88
			Flame spread at 10 minutes	mm	212
			Radiant Flux at 15 minutes	W/cm ²	0.79
			Flame spread at 15 minutes	mm	295
			Radiant Flux at 30 minutes	W/cm ²	0.39
			Flame spread at 30 minutes	mm	463
			Critical Radiant Flux at extinguishment	W/cm ²	0.37
			Extent of flame travel	mm	477
			Burning characteristics		

Technical evaluation of a synthetic turf product.
Rymar 51.



PROPERTY	TEST METHOD	CONDITION	FALL HEIGHT	UNITS	REQUIREMENTS	RESULTS
HIC	ASTM F1292	23°C	10' (3.05 m)	H.I.C.	<1000	720
				Gmax	<200	105
			9' (2.74 m)	H.I.C.	<1000	503
				Gmax	<200	90
			8' (2.44 m)	H.I.C.	<1000	435
				Gmax	<200	84
		49°C	10' (3.05 m)	H.I.C.	<1000	415
				Gmax	<200	74
			9' (2.74 m)	H.I.C.	<1000	365
				Gmax	<200	71
			8' (2.44 m)	H.I.C.	<1000	297
				Gmax	<200	62
		-6°C	10' (3.05 m)	H.I.C.	<1000	1029
				Gmax	<200	139
			9' (2.74 m)	H.I.C.	<1000	951
				Gmax	<200	145
8' (2.44 m)	H.I.C.		<1000	852		
	Gmax		<200	127		