

DATE: 09-21-2017

TEST NUMBER: 0402805

CLIENT Green Fields

TEST CONDUCTED Surface Flammability of Carpets and Rugs (16 CFR Chapter II, Subchapter D, Part 1630 CPSC FF-170) also referenced as ASTM D2859



PRODUCT NAME Iron Turf

TEST CRITERION

The uncharred area of the test specimen must be greater than one inch in at least seven of the eight specimens tested in order to meet the acceptance criterion.

TEST RESULTS

	SPECIMEN NUMBER							
	1	2	3	4	5	6	7	8
Uncharred Area (Inches)	3.4	3.3	3.3	3.2	3.0	3.1	3.2	3.0

NOTE: This Sample was tested on the face side.

Sample was tested with infill per manufacturer's specifications.

This sample **[PASSES]** the Federal Flammability Standard DOC FF 1-70

APPROVED BY: *Gary Colburn*

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TEST REPORT

Laboratory tests of an infill material for synthetic turf product

Tests performed according to ASTM D2859 and ASTM E648 standards

Report Number R18152US-A1

Product
BrockFill
Brock USA

Client
Derek Neill
Brock USA LLC, 3090 Sterling Cir, Boulder, CO 80301

Date February 08th, 2019

This report contains 3 pages in total. Reproduction of this report is authorized only in its entire form. Results reported are valid only for the products tested. To declare the conformity (or not), the uncertainty of the results was not taken into account. Detailed results are available on request.

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INFORMATION

Product description	Organic infill material for synthetic turf product			
Product name	BrockFill			
Manufacturer	Brock USA			
Sample number	CAN003309			
Date of reception	January 11 th , 2019			
Date of the tests	January / February 2019			
Temperature (°C)	Min	23	Max	24
Humidity (%)	Min	48	Max	50



Sample general view

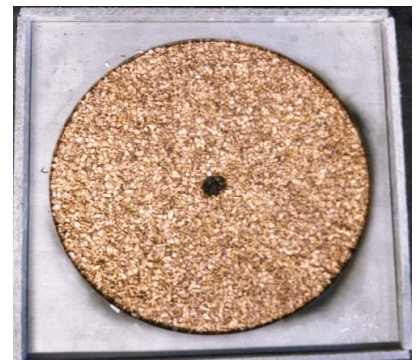
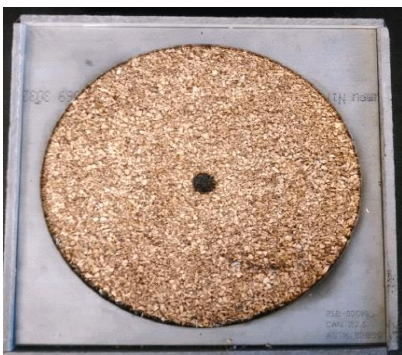


Sample microscopic view

RESULTS – PART 1

Property	Test method	Condition	Requirement	Results
Ignition Characteristics of Floor Covering Material	ASTM D2859	New – Dry	Minimum 7 on 8 test specimen must pass	8 on 8 Pass

Specimen 1, 5, and 8 after testing:



RESULTS – PART 2

Property	Test method	Condition	Individual results		
			Specimen 1	Specimen 2	Specimen 3
Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source	ASTM E648	Radiant Flux at 10 min	0.25 W/cm ²	0.24 W/cm ²	0.24 W/cm ²
		Flame spread at 10 min	595 mm	600 mm	600 mm
		Radiant Flux at 15 min	0.16 W/cm ²	0.17 W/cm ²	0.15 W/cm ²
		Flame spread at 15 min	745 mm	730 mm	780 mm
		Radiant Flux at 30 min	0.11 W/cm ²	0.11 W/cm ²	-
		Flame spread at 30 min	930 mm	930 mm	1000 mm
		Critical Radiant flux at Extinguishment	< 0.00 W/cm ²	< 0.00 W/cm ²	< 0.00 W/cm ²
		Extent of flame travel	955 mm	960 mm	1000 mm
		Burning Characteristics	n/a*	n/a*	n/a*

**(1) Premature ignition, (2) delamination, (3) melting, (4) sagging, (5) shrinking, (6) swelling or n/a.*

Specimen 2 after testing:



REPORTED BY

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