

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
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Date February 08th, 2019

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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

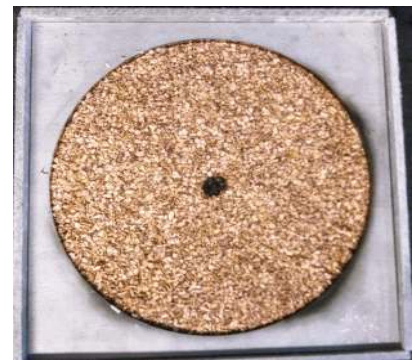
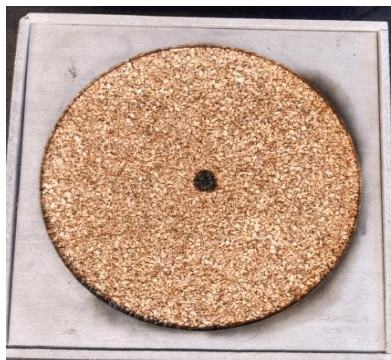


Sample microscopic view

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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