

TEST REPORT

Laboratory test on an athletic track product

Tests performed according to EN 14877 standard

Report Number R19083US-A1

Product BSS-2000
Beynon

Client Mike Gasparovic,
Beynon Inc., 16 Alt Road, Hunt Valley Maryland 21030

Date October 31st, 2019

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INFORMATION

Product description	Poured in place athletic track product			
Overall thickness measured	14.0 mm			
Product name	BSS-2000			
Manufacturer	Beynon			
Sample number	CAN003438			
Date of reception	June 17 th , 2019			
Date of tests	June to October 2019			
Lab temperature	Min	22°C	Max	24°C
Lab relative humidity	Min	49 %	Max	51 %



Sample face view



Sample back view



Sample profile view

RESULTS

Part 1:

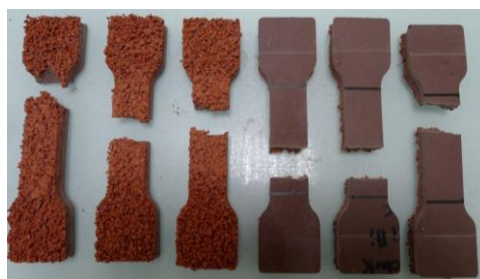
Property	Method	Units	Condition	Results	Requirements	Pass/Fail
Tensile Strength	EN 12230	MPa	New	0.50	≥ 0.40	Pass
		MPa	After hot air / hot water*	0.40	≥ 0.40	Pass
		%	Variation	20	≤ 20	Pass
		MPa	After spikes**	0.54	≥ 0.4	Pass
		MPa	After hot air / hot water* + spikes**	0.50	≥ 0.4	Pass
		%	Variation	7	≤ 20	Pass
Elongation at break	EN 12230	% elongation	New	49	≥ 40	Pass
		% elongation	After hot air / hot water*	41	≥ 40	Pass
		%	Variation	16	≤ 20	Pass
		% elongation	After spikes**	54	≥ 40	Pass
		% elongation	After hot air / hot water* + spikes**	51	≥ 40	Pass
		%	Variation	6	≤ 20	Pass

*hot air / hot water ageing according to EN 13817 and EN 13744 Standard respectively

**spike wearing according to EN 14810 Standard



Traction – New



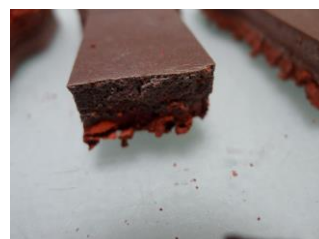
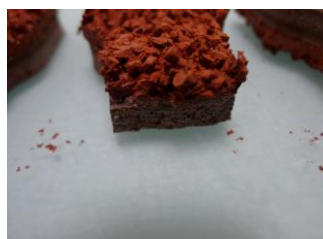
Traction – after spikes



Traction – after ageing



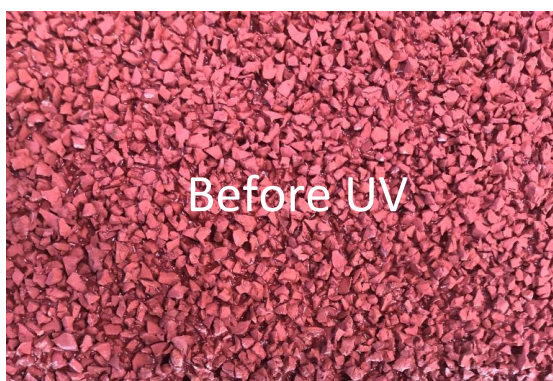
Traction – after ageing+spikes



Close-up view

Part 2:

Property	Method	Units	Condition	Results	Requirements	Pass/Fail
Absolute thickness	EN 1969	mm	New	13.6	≥ 10	Pass
Overall thickness	EN 1969	mm	New	13.9	≥ 10	Pass
Color Change	EN ISO 20105-A02	Gray scale	After UVA (3000h - EN 14836)	4/5	≥ 3	Pass
Resistance to wear	EN 5470-1	g	New	2.5	≤ 4.0	Pass
			After UVA	3.5	≤ 4.0	Pass
Shock Absorption	EN 14808	%	After hot air / hot water*	37	25 - 50	Pass
			10°C	36	Classification SA 35 – 50	Pass
			23°C	37		
			40°C	38		
Deformation	EN 14809	mm	10°C	1.8	≤ 3	Pass
			23°C	2.0		Pass
			40°C	1.9		Pass
Surface friction	EN 13036	-	New - Dry	86	80 – 110	Pass
			New - Wet	66	55 – 110	Pass



REPORTED BY



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