

Technical Report

Artificial weathering and product identification tests on
Eco-cool Rubber infill

For

Actionsports Internatonal Ltd

Summary

Artificial weathering and product identification tests have been undertaken on a sample of Eco-cool Rubber granulated infill. This report details the tests carried out and the results obtained.

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1 Client

Actionsports International Limited
8B Kam Chung Commercial Building
19-21 Hennessy Road
Wan Chai
Hong Kong

2 Sample details

Eco-cool Rubber by Eagle-Hawk Industries Ltd.

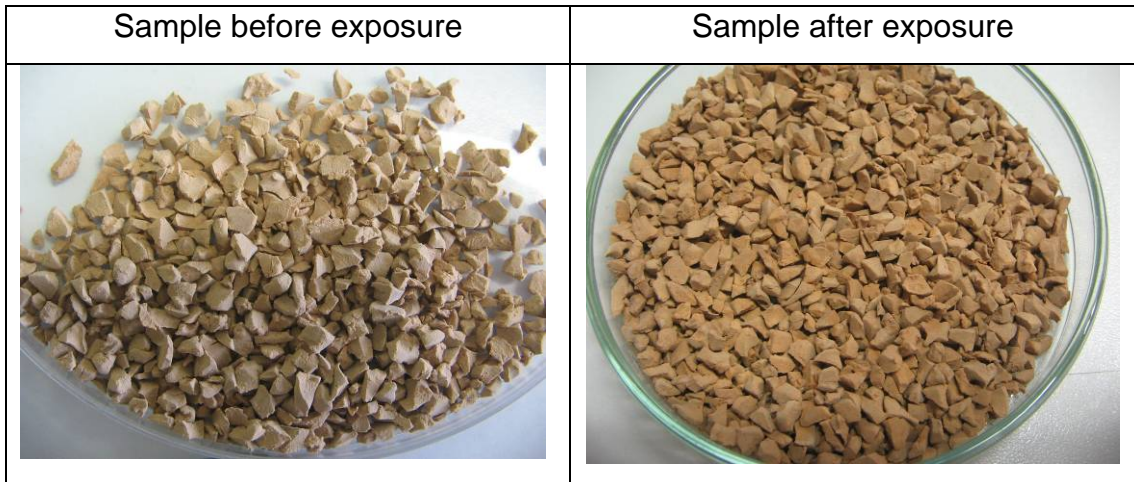
3 Test programme

The sample was tested for Resistance to Artificial Weathering and product identification tests were undertaken using the test procedures detailed in the *FIFA Handbook of Test Methods for Football Turf* (2008 edition).

4 Results

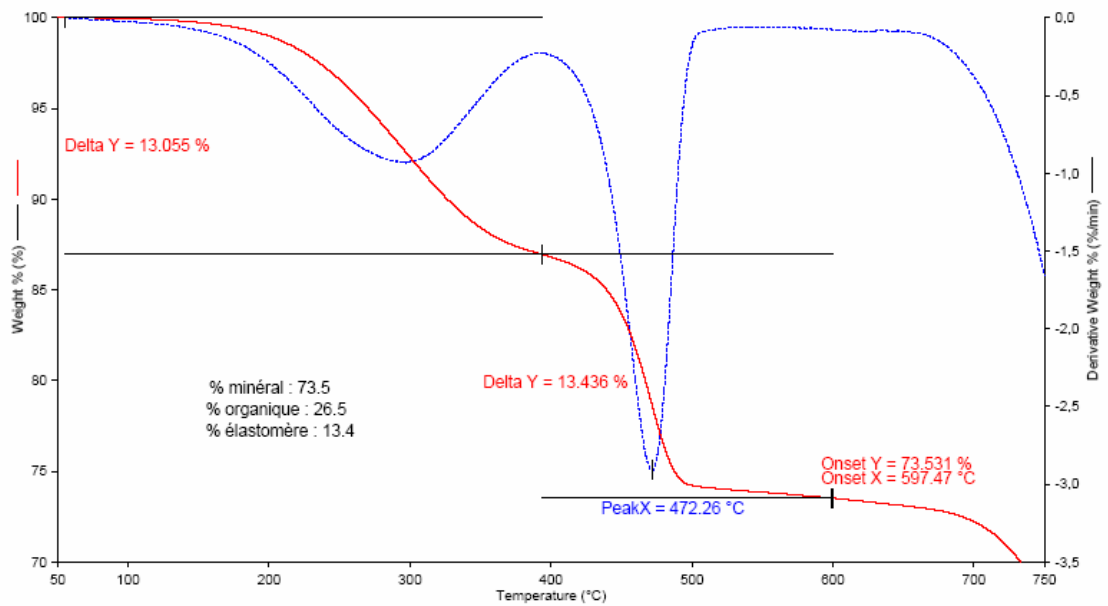
4.1 Resistance to artificial weathering

Property	Result	
	Sample 1	Sample 2
Colour change after artificial weathering	3-4	3-4
	No change	No change
Visual change in appearance	No change	No change
Change in composition	Moderate hardening	Moderate hardening



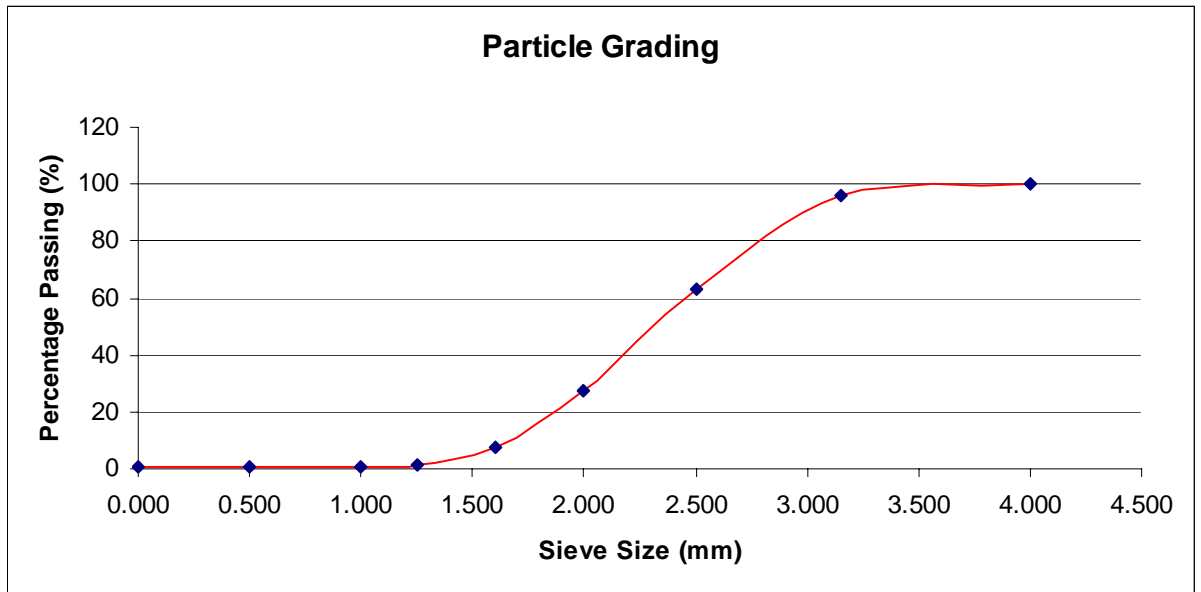
4.2 Product identification

4.2.1 Thermo-graphimetric analysis



% Organic	% Inorganic
26.5	73.5

4.2.2 Particle grading (EN 993-3)



Principle particle range: 1.0mm – 3.5mm

4.2.3 Particle shape (prEN 14955)



Description	Classification
Angular - medium sphericity	A2

4.2.4 Bulk density (ISO 1097 – 3)

Bulk density (g/cm ³)				
1	2	3	4	mean
0.76	0.82	0.75	0.77	0.77

Reported by:



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Alastair L Cox

Director