



IAAF Accredited Laboratory

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LAB REPORT

IST Reference: 5717/Kol/gl
Subject: Synthetic Sports Surfacing
Suitability Test acc. to
IAAF Performance Specifications

The IST has been requested to test a sample of a synthetic surface to be used for track and field events acc. to the IAAF 'Performance Specifications for Synthetic Surfaced Athletics Tracks'.

1. Description of Sample

Name of product		Conipur EPDM/SP
Description	Top Texture	CONIPUR Spray Coating Grain size 05./1.5 mm Thickness 0.5 mm
	Base Layer	EPDM Granules, grey bound by CONIPUR Binder Thickness 12.5 mm
	Total Thickness	13 mm

2. Sampling

Location	Conica Technik, Schaffhausen
Date	January 2002
IST No.	5024

3. Delivery of Samples

Date	January 28, 2002
Amount and Size of Samples	2 sections 50 x 50 cm

4. Test Procedures

The test procedures followed were those described in the above document. For measuring the friction coefficient, the sliding tester acc. to DIN 18035 part 6 was utilized.

5. Test Results

5.1 Force Reduction

Temperature	+10°C	+23°C	+ 40°C
Force Reduction % <i>IAAF Req : 35-50%</i>	35	36	37

5.2 Modified Vertical Deformation

Temperature	+10°C	+23°C	+40°C
Modified Vert. Deformation mm <i>IAAF Req : 0.6-1.8mm</i>	1.2	1.3	1.4

5.3 Friction

Surface Condition	Test Sole	Sliding Coefficient DIN 18035-6/TRRL
Wet	Leather	0.67 / 74 <i>IAAF Req >= 0.5 >= 47 TRRL</i>

5.4 Permeability

Permeability	0.025 cm/s
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5.5 Tensile Properties

Tensile Strength	0.61 N/mm ² <i>IAAF Requirement:</i> >= 0.4 porous surfaces (>= 0.5 non-porous surfaces)
Elongation at Break	76 % <i>IAAF Req >= 40</i>

6. Conclusions

The surface product tested met all requirements of the *IAAF Performance Specifications for Synthetic Surfaced Athletics Tracks*. The test results contained in this report reflect the product characteristics as determined with the submitted sample. They are applicable to the product in general if the surface product is manufactured/installed with the same material components and installation technique as used manufacturing the tested surface sample.



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