CERTIFICATION SYSTEM

REPORT OF SYNTHETIC SURFACE PRODUCT TEST

This form must be sent to:	INTERNATIONAL ASSOCIATION OF ATHLETICS FEDERATIONS Attention: Technical Manager 17, rue Princesse Florestine BP 359 - MC 98000 Monaco Cedex Tel: (+377) 93 10 88 88 - Fax: (+377) 93 15 95 15 - Direct Fax (+377) 93 50 32 63 E-mail: technicalofficer@iaaf.org

To obtain a Track Surface Product Certificate, the track surface product must have been proven to conform to the IAAF Performance Specifications for Synthetic Surfaced Athletic Tracks that can be found in the IAAF Track & Field Facilities Manual. The testing must be undertaken by an IAAF Approved Laboratory for Synthetic Surface Testing using equipment and testing procedures in accordance with the IAAF Performance Specifications and the results of the testing recorded on this Pro-forma.

TESTING			
Testing Laboratory:	MPA - University of Stuttgart		
Date of Test:	beginning 01-22-2007		
Tester(s)' Name(s):	V. Pietsch, N. Schulz		
TRACK SURFACE PRODUCT			
Product's Trade Name:	CONIPUR M		
Manufacturer:	BASF Construction Chemicals (Schweiz) AG		
Address:	Industriestraße 26		
	8207 Schaffhausen (Switzerland)		
Telephone:	+41-58-9582525		
Fax:	+41-58-9583525		
E-mail:	infoconica@basf.com		
Material Supplier(s):	EPDM and rubber granules (Gezolan)		
	PUR materials (CONICA)		
Basic description	☒ Full polyurethane	☐ Spraycoat system	
	☐ Sandwich system	☐ Polyurethane on rubber	
	☐ Other:		
Description of Surface Composition			**Appr. Thickness**
Top Layer/Texture:	PUR-coating material with EPDM-		4 mm
	granules (1/4 mm) broadcasted		
Middle Layer(s):	PUR-coating material with EPDM-		5 mm
	Magic-granules (1/4 mm) broadcasted		
Bottom Layer:	PUR-coating material with EPDM-		5 mm
	Magic-granules (1/4 mm) broadcasted		

Four sample pieces of the product each at least 500mm x 500mm should be supplied by the manufacturer. (One sample for testing and three samples for retention by the laboratory and the IAAF.)

1. Difference between Overall Thickness and Absolute Thickness (in mm to 0.1mm)

Thickness	Test 1	Test 2	Test 3	Test 4*	Test 5	Test 6	Average
Overall	15,1	15,1	15,2	15,0			15,1
Absolute	14,2	14,1	14,3	13,9			14,1
Difference	1,0	1,0	0,9	1,1			1,0

**A minimum of four thickness measures shall be taken.*

2. Testing at Standard Laboratory Temperature Ø

Recorded Test Drop No.*	Thickness (Absolute) mm	Sample Temperature °C	Force Reduction %	Vertical Deformation mm
1	14,1	23	37	16
2	14,1	23	37	1,6
3	14,1	23		1,7
Averages	14,1	--	37	1,6

**The average result is determined from two recorded results for FR and three recorded results for VD in accordance with the Test Protocols*

Ø Additional testing at other locations on the sample may be undertaken and recorded.

Do any of the individual force reduction and/or vertical deformation results fall outside the allowable ranges of 35% to 50% and 0.6mm and 2.5mm for force reduction and vertical deformation respectively?

☐ YES ☒ NO

3. The Effect of Temperature on Force Reduction and Vertical Deformation

Thickness (Absolute) mm	Intended Sample Temperature °C	Actual Sample Temperature °C	Force Reduction %	Vertical Deformation mm
14,1	0	1	35	1,5
14,1	10	9	36	1,5
14,1	20	20	37	1,6
14,1	23	23	37	1,6
14,1	30	31	38	1,7
14,1	40	39	39	1,7
14,1	50	49	39	1,8

Do any of the individual force reduction and/or vertical deformation results in the temperature range 10°C to 40°C fall outside the allowable ranges of 35% to 50%, and 0.6mm and 2.5mm for force reduction and vertical deformation respectively?

☐ YES ☒ NO

If the answer is YES then the manufacturer should be advised so that they can make the necessary arrangements to ensure that their surfacing will not fail an in-situ test because of temperature effects on the properties.

4. Friction (Coefficient of Friction or TRRL Scale Reading)

Test No.	Friction Reading*
1	0,60
2	0,63
3	0,61
4	-
5	-
Average	0,61

**Average of five readings for the TRRL Pendulum or the average of three readings for the Sliding Resistance Tester.*

Are any of the individual friction readings less than TRRL Scale reading of 47 or Coefficient of Friction 0.5? (If so highlight the readings in BOLD.)

☐ **YES** ☒ **NO**

5. Tensile Tests

		Sample No*						
Property	**Unit**	**1**	**2**	**3**	**4**	5	6	**Average**
Tensile Strength	**Mpa**	0,73	0,75	0,71	0,72			0,73
Elongation	**%**	75	77	71	72			74

**A minimum of four specimens shall be tested.*

Are the average tensile strength or the average break elongation % less than 0.5Mpa for non-porous surfaces and 0.4MPA for porous surfaces, and 40% respectively?

☐ **YES** ☒ **NO**

Attachments

One sample of the material is to be supplied with the report to the IAAF.

Conclusions

The synthetic surfacing material was tested in accordance with the IAAF Track Facilities Protocols as incorporated in the IAAF Track & Field Facilities Manual.

I hereby certify that all information provided in the report is accurate and is the result of well-conducted laboratory testing.

I consider that the synthetic surfacing material meets the requirements for an IAAF Product Certificate.

☒ **YES** ☐ **NO**

If the answer is NO please list below the reason(s) why the track surfacing material does not meet the IAAF Performance Specifications fully.

UNIVERSITÄT STUTTGART
MATERIALPRÜFUNGSANSTALT (MPA)

Date:	**05-03-2007**
Authorized Director's Name:	**Dipl.-Ing. Hans-Peter Knauf (Section Leader)**
Signature:	Hans Knauf