INSTITUT FÜR SPORTBODENTECHNIK

I S T Consulting GmbH

Staatssekretariat für Wirtschaft SECO
SAS Schweizerische Akkreditierungsstelle
ISO 17025 STS 411

CONICA AG
Industriestr. 26
CH 8207 Schaffhausen

January 31, 2022

T E S T R E P O R T

IST Reference: 9311-EN/TH/GL
Subject: Testing Sports Hall Surface acc. EN 14904:2006

Name of Surface tested: **CONIPUR HG pure 7+2 mm**

1. Description of Surface Design

Top Layer	2 mm	PUR Coating CONIPUR 224 (N1) with Sealer CONIPUR 3202 W
Intermediate Layer	0.3 mm	Pore Sealer CONIPUR 220
Base Layer	7 mm	CONIPUR mat (F40)

Identification Data deposited at IST

2. Sampling

Place	Schaffhausen
Date	July 27, 2021

3. Sample Delivery

Amount	1 section 100 x 100 cm with T-connection plus 4 sections 50 x 50 cm
IST Reference No.	8800

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Test within our ISO 17025:2018 accreditation are marked with●

Measurement deviation is not taken into account in the assessment of conformity
The results reported herein, refers to the submitted samples.

4. Performance of Tests

The tests were carried out acc. EN 14904:2006. The climate during testing complied with Type 23/50 DIN 50014. Test results from sub contracted labs are marked as such if applicable. The test results are listed in table 5 and opposed to the requirements of EN 14904. The detailed results can be seen from the table on attachment 1.

5. Test Results

In the following table the test results are summarized and opposed to the requirements of EN 14904:2006.

Tests according EN 14904:2006	Test Results		Requirements*) EN 14904:2006
	Average	Range	
Force Reduction• KA_{55} % (EN 14808)	34	34 / 35	**25 – 75 %** acceptable scattering: ± 5 units from average
Standard- StV mm Deformation• (EN 14809)	1.8	1.6 / 1.9	**< 5 mm**
Rolling Load RL N without damage (EN 1569)	1500 no remaining deformation >0.5mm underneath 300mm ruler no visible damage		**≥1500** no remaining deformation >0.5mm underneath 300mm ruler no visible damage
Ball Rebound• BR % (EN 12235)	99	99 / 100	**> 90 %** acceptable scattering: ± 4 units from average
Abrasion mg (EN ISO 5470-1)	27	25 / 29	Sealer **max. 80 mg**
Sliding Behavior• [1] (EN 13036-4)	106	102 / 109	**80 - 110** acceptable scattering: ± 4 units from average
Resistance to Impact• Nm (EN 1517) non aged/aged	19 / 20	----	**≥ 8**
Residual Impression• mm (EN 1516)	0.12	0.12 / 0.13	**< 0.5 mm**
Specular Reflection (EN 13745)	0.64 RAL1015 (light ivory)	0.64 / 0.64	**none**
Specular Gloss (EN ISO 2813)	10 (CP3202W)	10 / 10	sealed surface: **<45** mat surface: **<30**

*)EN 14904 differs the types of surface according Annex B as area-elastic, point-elastic etc on informal base

6. External Test Results

Parameter	EN 14904 Section	Results
Burning Behavior	5.4	**Class E_{fl}** (Test Report TFI 21-000252-03, April 21, 21)
Formaldehyd Content	5.5	**Class E1**: For production, only Formaldehyd free components are used (Declaration Conica February 28, 2016)
Content of PCP	5.6	For production, only PCP free components are used (Declaration Conica February 28, 2016)

7. Assessment

The assessment refers to the requirements of EN 14904. These requirements of the standard were met by the sports hall surface tested. According Annex B this is a point-elastic Sports Hall Surface Type P1.

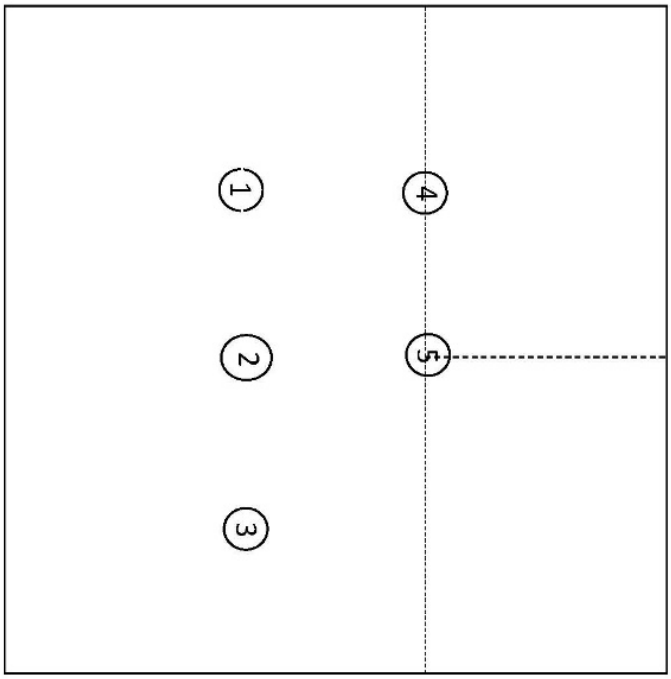
K. Glasze-Kolitzus
Qualitäts-Management

Thomas Hartmann
Laborleiter

Detailed Test Results

Test Procedure according EN 14904		Test Locations						Average
		1	2	3	4	5	6	
Force Reduction KA_{55}	%	34.2	33.7	34.8	34.8	34.4	---	34.4
Standard-Deformation StV	mm	1.65	1.62	1.88	1.82	1.88	---	1.77
Impact Resistance non aged aged	 Nm Nm	 19 20	 19 20	 19 20	 19 20	 ---	 ---	 19 20
Remaining Indentation	mm	0.13	0.12	0.12	---	---	---	0.12
Ball Rebound BR	%	98.9	99.3	100.0	99.7	98.7	---	99.3
Sliding Behavior		102	104	107	109	108	---	106
Abrasion (EN ISO 5470-1)	mg	25	29	27	---	---	---	27

Arrangement of Test Locations



Arrangement of system measurement points:

Point 1; 2 and 3:	Middle of field
Point 4:	Longitudinally joint of elastic layer
Point 5:	T-joint of elastic layer

End of Report