



Staatssekretariat für  
Wirtschaft SECO  
SAS Schweizerische  
Akkreditierungsstelle  
ISO 17025 STS 411



CONICA AG  
Industriestr. 26  
CH 8207 Schaffhausen

November 26, 2007\*\*)

## TEST REPORT

IST Reference: 6992-EN/Kol/gl  
Subject: Testing Sports Hall Surface acc. EN 14904

Name of Surface tested: **CONIPUR KF pure**

### 1. Description of Surface Design

|                    |       |                                                                                |
|--------------------|-------|--------------------------------------------------------------------------------|
| Top Layer          | 2 mm  | PUR Coating with Sealer                                                        |
| Intermediate Layer | 2 mm  | PUR Hard Matrix                                                                |
| Base Layer         | 10 mm | Polyolefin-Foam, physically linked<br>with flame-attached Glas Fibre Non-Woven |

Identification Data are deposited at IST

### 2. Sampling

Place: CONICA AG, Schaffhausen  
Date: March 2007

### 3. Sample Delivery

Date: August 10, 2007  
Amount: 1 Section 100 x 100 cm with T-Joint of Elastic Layer  
IST Reference No.: 6237

### 4. Performance of Tests

The tests were carried out acc. EN 14904. The climate during testing complied with Type 23/50 DIN 50014. The test procedures covered by the accreditation acc. ISO 17025 (ST411) are marked with ■. 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.

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\*) Update June 30, 2013: New Company Name

\*\*)Update April 18, 2016: New Product Name

Acc. EN ISO 17025:2005 accredited by Swiss Accreditation Authority (SAS), a department of Swiss Federal Ministry of Commerce (SECO) The accreditation is valid for the test procedures listed in the Accreditation Certificate (STS 411).

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Accredited acc. ISO 17025 for:  
DIN 18032-2; 18035-6+7; EN 1177;  
EN 14904+14877+15330, IAAF; FIFA

## 5. Test Results

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

| Tests according<br>EN 14904                       | Test Results                                                                              |             | Requirements<br>EN 14904                                                                          |
|---------------------------------------------------|-------------------------------------------------------------------------------------------|-------------|---------------------------------------------------------------------------------------------------|
|                                                   | Average                                                                                   | Range       |                                                                                                   |
| Force Reduction• KA <sub>55</sub> %<br>(EN 14808) | 53                                                                                        | 53 / 53     | <b>25 – 75 %</b><br>acceptable scattering:<br>± 5 units<br>from average                           |
| Standard- StV<br>Deformation• (EN 14809) mm       | 3.0                                                                                       | 2.9 / 3.4   | <b>&lt; 5 mm</b>                                                                                  |
| Rolling Load RL<br>without damage (EN 1569) N     | 1500<br>no remaining deformation<br>>0.5mm underneath<br>300mm ruler<br>no visible damage |             | <b>≥1500</b><br>no remaining deformation<br>>0.5mm underneath<br>300mm ruler<br>no visible damage |
| Ball Rebound• BR %<br>(EN 12235)                  | 97                                                                                        | 97 / 99     | <b>&gt; 90 %</b><br>acceptable scattering:<br>± 4 units<br>from average                           |
| Abrasion<br>(EN ISO 5470-1) mg                    | 32                                                                                        | 30 / 36     | Sealer<br><b>max. 80 mg</b>                                                                       |
| Sliding Behavior• [1]<br>(EN 13036-4)             | 96                                                                                        | 92 / 99     | <b>80 - 110</b><br>acceptable scattering:<br>± 4 units<br>from average                            |
| Resistance to Impact• Nm<br>(EN 1517)             | 15                                                                                        | ----        | <b>≥ 8</b>                                                                                        |
| Residual Impression• mm<br>(EN 1516)              | 0.12                                                                                      | 0.10 / 0.14 | <b>&lt; 0.5 mm</b>                                                                                |
| Specular Reflection<br>(EN 13745)                 | 0.14<br>(blau)                                                                            | ----        | <b>none</b>                                                                                       |
| Specular Gloss<br>(EN ISO 2813)                   | 43 (CP67)<br>17(CP67N)                                                                    | ----        | sealed surface:<br><b>&lt;45</b><br>mat surface:<br><b>&lt;30</b>                                 |

## 6. External Test Results

| Parameter           | EN 14904 Section | Results                                                                                                        |
|---------------------|------------------|----------------------------------------------------------------------------------------------------------------|
| Burning Behavior    | 5.4              | Class E <sub>fl</sub><br>(Test Report TFI 370427-02 of 4.4.2007)                                               |
| Formaldehyd Content | 5.5              | <b>Class E1:</b> For production, only Formaldehyd free components are used<br>(Declaration BASF of 10.12.2007) |
| Content of PCP      | 5.6              | For production, only PCP free components are used<br>(Declaration BASF of 10.12.2007)                          |

## 7. Assessment

The assessment refers to the requirements of EN 14904. These requirements of the standard were met by the sports hall surface tested.

Dipl. Ing. Hans J. Kolitzus  
Lab Director



Thomas Hartmann  
Lab Manager

## Detailed Test Results

| Test Procedure acc.<br>EN 14904       | Test Locations |      |      |      |      |      | Average |
|---------------------------------------|----------------|------|------|------|------|------|---------|
|                                       | 1              | 2    | 3    | 4    | 5    | 6    |         |
| Force Reduction<br>KA <sub>55</sub> % | 52.9           | 53.2 | 53.3 | 53.2 | 53.2 | 53.2 | 53.2    |
| Standard-<br>Deformation StV mm       | 3.4            | 3.4  | 3.0  | 3.0  | 3.1  | 3.0  | 3.1     |
| Impact Resistance Nm                  | 15             | 15   | 15   | 15   |      |      | 15      |
| Remaining Impression mm               | 0.10           | 0.16 | 0.12 | 0.12 | 0.11 |      | 0.12    |
| Ball Rebound BR %                     | 98.5           | 97.4 | 96.6 | 98.4 | 96.5 | 98.3 | 97.6    |
| Sliding Behavior [1]                  | 93             | 92   | 95   | 96   | 99   | 98   | 95.5    |