



Test Report

Determination of sports surface properties

Report-No.: 903 5152 02

Client: Bona AB
Murmansgatan 130
SE 200-21 Malmö

Order-No. (Client):

Order-No. (MPA): 903 5152 000 /Scz

Test Item: **Rubber surface treated with „Bona Pure“**

Specification Applied: [1] DIN EN 14904:2006-06 Surfaces for sports areas –
Indoor surfaces for multi-sports use – Specification
[2] DIN V 18032-2:2001-04 Sport halls - Halls for gymnastics, games
and multi-purpose use - Part 2: Floors for sporting activities,
requirements, testing

Date of Receipt of Test Item 30.03.2018

Date of Test: 30.03.2018

Date of Report: 05.04.2018

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Enclosures :

Supplements:

Total Number of Pages: 3

Number of Reports: 1

The test results relate only to the items tested.

1 Purpose of Investigation

You commissioned us with testing of technical properties of a surface for sports areas according to DIN EN 14904 [1] and DIN V 18032-2 [2]. Therefor we received a rubber surface sample (size approx. 20 cm x 70 cm) labeled as follows:

Sample 1: coated with „Bona Pure“

The rubber sample was treated with the varnish according to the manufacturer's instructions (product sheet dated 14.03.2018) in a single layer of 100-120 g/m²

2 Tests and Analyses Performed

The tests were carried out according to the procedures mentioned in DIN EN 14904 [1] and DIN V 18032-2 [2]. The tests performed are accredited tests according to DIN EN ISO/IEC 17025, see DAkkS-certificate (D-PL-11027-04-07).

3 Results of Investigation

The following test results were obtained.

Table 1: test results of linear friction acc. to DIN EN 14904 [1]: „Bona Pure“

Test spot	Linear friction	
	along	across
1	90	86
2	89	86
3	89	87
4	86	87
5	86	86
along/across Ø	88	86
Total Ø	87	

Table 2: test results of sliding properties acc. to DIN V 18032-2 [2]: „Bona Pure“

Testing spot no.	Sliding coefficient μ
1	0,40
2	0,40
3	0,41
4	0,41
5	0,40

4 Summary

According to EN 14904 [1] the following requirements are valid: mean value (80 – 110), range (+/- 4 units). This requirement was fulfilled by the tested rubber sample coated with „**Bona Pure**“.

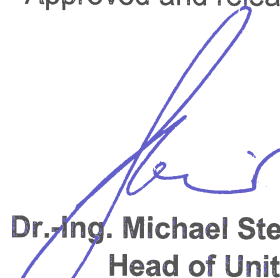
According to DIN V 18032-2:2001-04 the following requirement is valid: $\mu_{\min.}$ 0,4 - $\mu_{\max.}$ 0,6. This requirement was fulfilled by the tested rubber samples coated with „**Bona Pure**“.

Prepared by


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Approved and released by


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