



Test Report

Determination of sports surface properties

Report-No.: 903 4438 01

Client: Bona AB
Murmansgatan 130
SE 200-21 Malmö

Order-No. (Client):

Order-No. (MPA): 903 4438 000 /Scz

Test Item: **Linoleum surface treated with „Bona LinoPrime + 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 01.12.2017

Date of Test: 04.12.2017

Date of Report: 06.12.2017

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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 three Linoleum surface samples (size approx. 20 cm x 70 cm) labeled as follows:

Sample 1: coated with „**Bona LinoPrime + Bona Pure**”

The treatment of the Linoleum sample with the primer “**Bona LinoPrime**” was done according to manufacturer’s instructions (product specification sheet dated 20.11.2017) in one layer with 20-25 ml/m². Subsequently a layer of “**Bona Pure**” was applied according to manufacturer’s instructions (product specification sheet dated 27.11.2017) in one layer with 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]:

Test spot	Linear friction	
	along	across
1	82	83
2	85	85
3	85	86
4	86	85
5	87	84
along/across Ø	85	85
Total Ø	85	

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

Testing spot no.	Sliding coefficient μ
1	0,42
2	0,43
3	0,42
4	0,41
5	0,42

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 LinoPrime + Bona Pure**“.

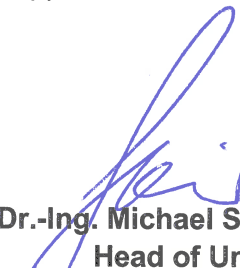
According to DIN V 18032-2:2001-04 the following requirement is valid: $\mu_{\min.}$ 0,4 - $\mu_{\max.}$ 0,6. This requirement was fulfilled by the tested rubber samples coated with „**Bona LinoPrime + Bona Pure**“.

Prepared by


O. Konrad
Testing Engineer



Approved and released by


Dr.-Ing. Michael Stegmaier
Head of Unit