



Deutsche  
Akkreditierungsstelle  
D-PL-11027-04-01  
D-PL-11027-04-02

# Test Report

## Determination of friction

Report-No.: 904 3731/1/Sgm

Client: Teknos Oy  
Takkatie 3, P.O. Box 107  
00371 Helsinki  
Finland

Order-No. (Client): -

Order-No. (MPA): 904 3731 000

Test Item: Parquet lacquer OPAL 20

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 02.07.2024

Date of Test: 04.07.2024

Date of Report: 11.07.2024

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Enclosures : -

Supplements: -

Total Number of Pages: 3

Number of Reports: 2

The test results relate only to the items tested.

Publication of this report in full or partly is only allowed with written authorization by MPA University of Stuttgart.

In compliance with DIN EN ISO/IEC 17025 accredited Testing Laboratory recognized by Deutsche Akkreditierungsstelle (DAkkS).  
Accreditation valid for testing methods listed in the certificates.

### 1 Purpose of Investigation

You commissioned us with testing of linear friction according to DIN EN 14904 [1] and sliding properties according to DIN V 18032-2 [2] of the sample “**Parquet lacquer OPAL 20**”. For testing, we received two parquet samples treated with the lacquer.

### 2 Testing procedure

The tests were performed according to the mentioned test methods in DIN EN 14904 [1] and DIN V 18032-2 [2] (accredited tests according to DIN EN ISO/IEC 17025, see DAkkS-certificate D-PL-11027-04-02). When assessing conformity, the measurement uncertainty of the test results is not taken into account.

### 3 Results of Investigation

The following test results were obtained.

**Table 1:** Test results, linear friction of “**Parquet lacquer OPAL 20**” according to DIN EN 14904 [1] (dry condition)

testing spot no.	Linear Friction (PTV-value)	
	longitudinal direction (dry condition)	transverse direction (dry condition)
1	85	83
2	86	84
3	85	84
4	85	83
5	84	83
<b>Average</b>	<b>85</b>	<b>83</b>
<b>Range</b>	<b>+1 / -1</b>	<b>+1 / -0</b>
Requirements according to DIN EN 14904 [1]: mean value (80 – 110), range (+/- 4 units)		

**Table 2:** Test results, sliding properties of "Parquet lacquer OPAL 20" according to DIN V 18032-2 [2]


	Test results		Requirements according to DIN V 18032-2 [2]
	min.	max.	
Sliding properties	0,46	0,53	min. 0,4; max. 0,6

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Approved and released by

  
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