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Dresden, 23 June 2017  
70-em/pe

## Test Report Order No. 2717298

**Client:** Osmo Holz und Color GmbH & Co. KG  
Lütkenbecker Weg 12  
48155 Münster

**Date of order:** 01 June 2017

**Order:** Determination of the slip resistance according to BS 7976-2:2002  
(under dry and wet conditions) - Pendulum test

**Contractor:** EPH – Laboratory Surface Testing

**Engineer in charge:** Dipl.-Ing. (FH) M. Peter



Dr.-Ing. Rico Emmeler

Head of Laboratory Surface Testing

The test report contains 3 pages. Any duplication, even in part, requires written permission of EPH.  
These test results are exclusively related to the tested material.

## 1 Task

The laboratory Entwicklungs- und Prüflabor Holztechnologie GmbH (EPH) was ordered by Osmo Holz und Color GmbH & Co. KG in Münster to carry out testing of the slip resistance according to BS 7976-2:2002 (under dry and wet conditions).

## 2 Material

For the test, the client has sent oak parquet samples with following coating (entrance at the EPH laboratory 15 June 2017):

3089 Osmo POLYX®-Oil Clear Satin/Anti Slip EXTRA

## 3 Determination of the slip resistance according to BS 7976-2:2002 (under dry and wet conditions) - Pendulum test

The determination of the slip resistance was carried out according to BS 7976-2:2002 by pendulum test under dry and wet conditions with a Portable Skid Resistance Tester SRT 5800 (Fig. 1) with the rubber slider 96 (4S) on 10 samples. For each sample 8 tests were done.

The test was carried out under laboratory conditions at 23 °C and 50 % relative humidity.



Fig. 1: Portable Skid Resistance Tester SRT 5800

#### 4 Results

| Test pieces | Pendulum value PTV according to BS 7976:2002<br>under dry conditions |    |    |    |    |    |    |    |                                   |
|-------------|----------------------------------------------------------------------|----|----|----|----|----|----|----|-----------------------------------|
|             | PTV <sub>i</sub><br>(i = 1 ... 8)                                    |    |    |    |    |    |    |    | PTV<br>mean value (PTV 4 – PTV 8) |
|             |                                                                      |    |    |    |    |    |    |    |                                   |
| 1           | 52                                                                   | 52 | 52 | 51 | 50 | 50 | 50 | 50 | 50                                |
| 2           | 52                                                                   | 52 | 52 | 52 | 51 | 51 | 51 | 51 | 51                                |
| 3           | 54                                                                   | 54 | 54 | 54 | 53 | 53 | 53 | 53 | 53                                |
| 4           | 54                                                                   | 54 | 54 | 54 | 53 | 53 | 53 | 52 | 53                                |
| 5           | 54                                                                   | 54 | 54 | 54 | 54 | 53 | 53 | 53 | 53                                |
| 6           | 54                                                                   | 54 | 54 | 53 | 53 | 53 | 53 | 53 | 53                                |
| 7           | 54                                                                   | 53 | 53 | 53 | 53 | 52 | 52 | 52 | 52                                |
| 8           | 54                                                                   | 54 | 54 | 54 | 54 | 53 | 53 | 53 | 53                                |
| 9           | 54                                                                   | 54 | 54 | 54 | 53 | 53 | 53 | 53 | 53                                |
| 10          | 54                                                                   | 54 | 54 | 53 | 53 | 53 | 53 | 53 | 53                                |

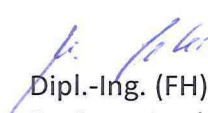
53 - Low slip  
potential

| Test pieces | Pendulum value PTV according to BS 7976:2002<br>under wet conditions |    |    |    |    |    |    |    |                                   |
|-------------|----------------------------------------------------------------------|----|----|----|----|----|----|----|-----------------------------------|
|             | PTV <sub>i</sub><br>(i = 1 ... 8)                                    |    |    |    |    |    |    |    | PTV<br>mean value (PTV 4 – PTV 8) |
|             |                                                                      |    |    |    |    |    |    |    |                                   |
| 1           | 53                                                                   | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 50                                |
| 2           | 53                                                                   | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 53                                |
| 3           | 53                                                                   | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 51                                |
| 4           | 53                                                                   | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 51                                |
| 5           | 53                                                                   | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 50                                |
| 6           | 53                                                                   | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 51                                |
| 7           | 53                                                                   | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 51                                |
| 8           | 53                                                                   | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 52                                |
| 9           | 53                                                                   | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 50                                |
| 10          | 53                                                                   | 53 | 53 | 53 | 53 | 53 | 53 | 53 | 51                                |

51 - Low slip  
potential

**Table 1:** Slip potential classification, based on pendulum test values (PTV)

|                         | PTV     |
|-------------------------|---------|
| High slip potential     | 0 - 24  |
| Moderate slip potential | 25 - 35 |
| Low slip potential      | 36 +    |

  
Dipl.-Ing. (FH) M. Peter  
Engineer in charge