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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

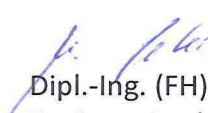
4 Results

Test pieces	Pendulum value PTV according to BS 7976:2002 <i>under dry conditions</i>									
	PTV _i (i = 1 ... 8)								PTV 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	

Test pieces	Pendulum value PTV according to BS 7976:2002 <i>under wet conditions</i>									
	PTV _i (i = 1 ... 8)								PTV 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	

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