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HEMEL EMPRENYE SANAYI VE TICARET A.S.
Mr. Hakan Milli
I.D.O.S.B VAKUM CAD. NO:25 B1 OZEL PARSEL
TUZLA, 34957, ISTANBUL
TÜRKEI

Entwicklungs- und Prueflabor
Holztechnologie GmbH
Zellescher Weg 24
01217 Dresden · Germany

Phone: +49 351 4662 0
Fax: +49 351 4662 211
info@eph-dresden.de
www.eph-dresden.de

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Test Report
Order No. 2716541

Client:	HEMEL EMPRENYE SANAYI VE TICARET A.S. I.D.O.S.B VAKUM CAD. NO:25 B1 OZEL PARSEL Tuzla, 34957, Istanbul Turkey
Date of order:	24 October 2016
Order:	Determination of the skid resistance according EN 14904:2006 by pendulum test according to EN 13036-4:2011
Contractor:	EPH – Laboratory Surface Testing
Engineer in charge:	Dipl.-Ing. (FH) M. Peter

Dr.-Ing. Rico Emmler
Head of Laboratory Surface Testing

The test report contains 4 pages. Any duplication, even in part, requires written permission of EPH. These test results are exclusively related to the tested material.

1 Task

The Development and Examination Laboratory for Wood Technology Ltd. (EPH) was instructed by HEMEL EMPRENYE SANAYI VE TICARET A.S. in Istanbul / Turkey to carry out test the skid resistance according EN 14904:2006 by pendulum test according to EN 13036-4:2011.

2 Test material

The client has sent per variant three lacquered veneered samples with following coating (arrival at the EPH-laboratory: 26 October 2016):

Variant A:

Variant B:

Variant C: Hemel Parquet Coating System for Sport Halls
1 C, 2 C, 3 C

Variant D:

3 Determination of the skid resistance according EN 14904:2006 by pendulum test according to EN 13036-4:2011

The determination of the skid resistance was carried out according EN 14904:2006 by pendulum test according to EN 13036-4:2011 under dry conditions with a Portable Skid Resistance Tester SRT 5800 (Fig. 1) with the rubber slider 57 (shore hardness A 57) on 3 samples. For each sample 5 tests were done. The test was carried out under laboratory conditions at 23 °C and 50 % relative humidity with the corresponding correction factor = 1 for the pendulum value (PTV) according to EN 13036-4:2011, Table 3.

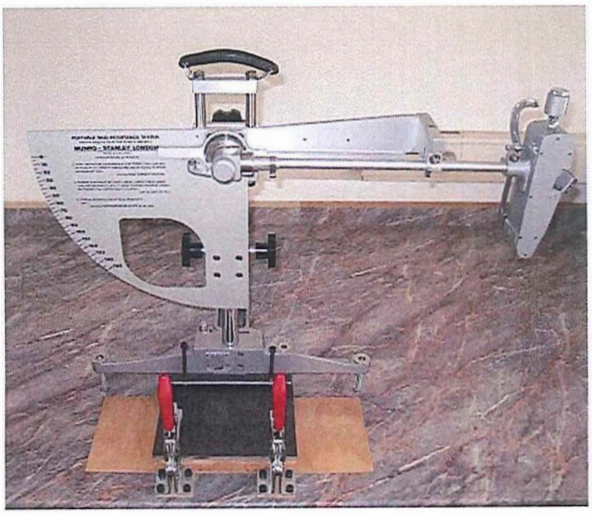

Fig. 1: Portable Skid Resistance Tester SRT 5800

4 Test results

Variant	Test pieces	Pendulum value PTV according to EN 14904:2006 and EN 13036-4:2011 (under dry conditions)				Assessment according to the requirements to EN 14904:2006*
		PTV_i (i = 1 ... 5)	PTV mean value	PTV_{Corr} (corrected mean value)		
A						
B						
C	1 C	83, 83, 81, 81, 81	82	83	82	fulfilled
	2 C	82, 82, 80, 80, 79	81	82		fulfilled
	3 C	82, 82, 80, 79, 80	61	82		fulfilled
D						

* Requirement according to EN 14904:2006 for the pendulum value (PTV):

The mean value of the results of the pendulum method must be between 80 and 110.

Any single result shall be differ not by more than 4 units from the mean.

5 Evaluation

The tested variants of lacquered veneered sample can be classified regarding to the property "Skid resistance" according to EN 14904:2006 (CE-labelling) as follows:

Variant	Property	Results	Assessment according to the requirements to EN 14904:2006
A B C D	Skid resistance according to EN 14904:2006	PTV 82	fulfilled

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