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DAP-PL-1033.00



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Kronotex GmbH & Co. KG  
Mr. Masuch  
Wittstocker Chaussee 1

16909 Heiligengrabe

Dresden, 16 September 2009  
70-em/klö

## Test report Order-Nr. 279292

**Customer:** Kronotex GmbH & Co. KG  
Wittstocker Chaussee 1  
16909 Heiligengrabe

**Date of order:** 09.09.2009

**Order:** Determination of the anti sliding property of laminate floor coverings

**Institution:** EPH – Laboratory Surface Testing

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

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

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## 1 Task

The Development and Examination Laboratory for Wood Technology Ltd. (EPH) was instructed by Kronotex GmbH & Co. KG, Heiligengrabe to determine the anti sliding property of laminate floor coverings.

## 2 Material

For the test, the customer has sent 7 variants of laminate floor coverings (entrance at the EPH laboratory 09 September 2009).

The variants were named as:

Var. 1: laminate RF „Ceramico“, dimensions 1302 x 326 x 8 mm

Var. 2: laminate RD "Exquisit", dimensions 1380 x 193 x 8 + 1 mm

Var. 3: laminate RG "ARENA", dimensions 1380 x 193 x 9 mm

Var. 4: laminate 2466 HS/HX "ARENA", dimensions 1380 x 193 x 9 mm

Var. 5: laminate PR "DYNAMIC", dimensions 1380 x 193 x 8 mm

Var. 6: laminate MX "Exquisit", dimensions 1380 x 193 x 8 + 1 mm

Var. 7: laminate RC "my floor Smile 6", dimensions 1375 x 188 x 12 mm

## 3 Determination of the anti sliding properties according to EN 13893

For the tests, a mass with a defined shape and sliders of rubber + leather (1 rubber, 2 leather) according to EN 13893 (dry conditions) were used. The slider acts with a defined force on the sample surface and is drawn over the surface with a constant velocity. The force necessary to move the mass is measured along the whole distance. The sliding coefficient is the ratio of that force to the force acting vertically.

The assessment of the sliding coefficient  $\mu$  estimated according to EN 13893 was done according to EN 14041 (harmonised norm for resilient, textile und laminate floor coverings).

## 4 Results

variant	Estimated sliding coefficient $\mu$ according to 13893 (1 rubber slider, 2 leather sliders)	Classification according to EN 14041
1	0,43	DS
2	0,41	DS
3	0,42	DS
4	0,51	DS
5	0,42	DS
6	0,51	DS
7	0,42	DS

## 5 Evaluation

The tested laminate floor covering samples meet for the property "anti sliding properties" the requirements of class DS according to EN 14041 ( $\mu \geq 0.3$ ) and can be declared with this class in the frame of CE-labelling.



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