



Report 50141 Test Report

Applicant

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ÖSTERREICH

Reference

Mr. Ruhdorfer

Application

Measurement of dynamic coefficient of friction according to EN 13893.

Test Material

"Kaindl laminate flooring 37326 SL"; "Kaindl laminate flooring 37372 SA"

Material used in testing was anonymized for laboratory purposes. A detailed sample list is contained in the report.

Issuing and Signatures

Number of pages contained: 5

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Contents

1	Order	2
1.1	Chronology	2
1.2	Sample Material	2
2	Findings / Tests performed.....	2
2.1	Description of the specimen	2
2.2	Measurement of dynamic coefficient of friction on dry floor surfaces	3
2.3	Diagram.....	3
2.4	Measurement of dynamic coefficient of friction on dry floor surfaces	4
2.5	Diagram.....	4
3	Remarks	5

1 Order

1.1 Chronology

<i>Date</i>	<i>Received</i>	<i>Order</i>
2005-08-29	2005-08-29	Measurement of dynamic coefficient of friction according to EN 13893.

1.2 Sample Material

<i>No.</i>	<i>Received</i>	<i>Quantity</i>	<i>Description</i>
1	2005-08-31 ⁽¹⁾	Laminate flooring 1 piece approx. 20x138cm	"Kaindl laminate flooring 37326 SL"
2	2005-08-31 ⁽¹⁾	Laminate flooring 1 piece approx. 20x138cm	"Kaindl laminate flooring 37372 SA"

(1) Samples provided by the customer. (2) Sample drawn by ÖTI.

2 Findings / Tests performed

2.1 Description of the specimen

The submitted specimen is a DPL laminate flooring with a HDF substrate according to EN 13329 with an insulating layer on the backside.



2.2 Measurement of dynamic coefficient of friction on dry floor surfaces

Test conditions

According to ÖNORM EN 13893

Test apparatus: GMG 100

Sliders: Group consisting of two leather- and one rubber-slider

Number of measurements: 5 each, evaluation is taken only from measurements 3-5

Test climate: 20 ± 2 °C / 65 ± 5 % relative air humidity

Deviation from the standard: The test was carried out only in the length direction of the panel in the supplied condition.

Test results

Tested sample: 1

Measurement	dynamic coefficient of friction (μ)	
	length direction	cross direction
3	0,49	--
4	0,52	--
5	0,51	--
Mean value	0,51	--

Dynamic coefficient of friction (μ): -- ¹⁾

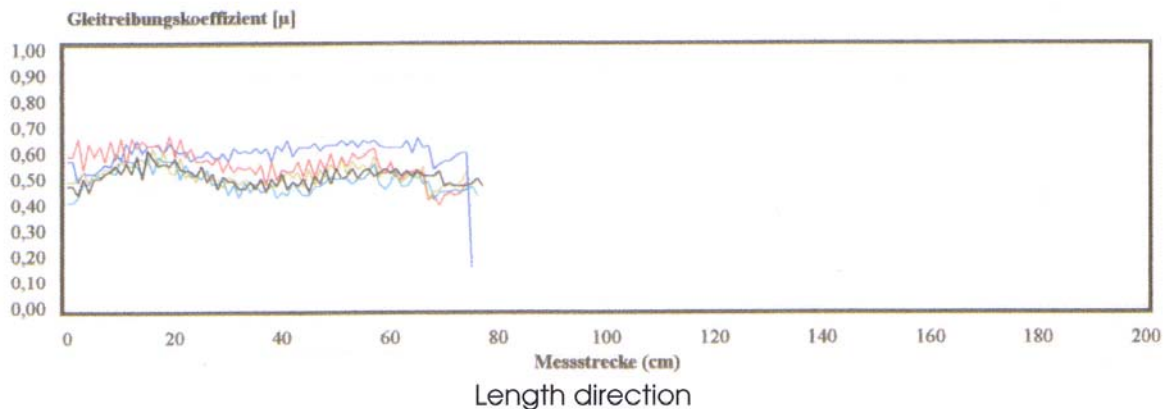
Note

¹⁾ The lower of the two results is authoritative for the assessment of the dynamic coefficient of friction.

The judgement of the dynamic coefficient of friction as criteria for the safety in walking is based on the experiences in the institute and the published technical literature. The following estimation scheme, based on the "Wuppertaler Gleitreibungsskala" is only valid for a "straight normal walk".

dynamic coefficient of friction (μ)	assessment
< 0,21	extremely unsafe
0,22 - 0,29	unsafe
0,30 - 0,42	partly safe
0,43 - 0,63	safe
> 0,64	extremely safe

2.3 Diagram





2.4 Measurement of dynamic coefficient of friction on dry floor surfaces

Test conditions

According to ÖNORM EN 13893

Test apparatus: GMG 100

Sliders: Group consisting of two leather- and one rubber-slider

Number of measurements: 5 each, evaluation is taken only from measurements 3-5

Test climate: 20 ± 2 °C / 65 ± 5 % relative air humidity

Deviation from the standard: The test was carried out only in the length direction of the panel in the supplied condition.

Test results

Tested sample: 2

Measurement	dynamic coefficient of friction (μ)	
	length direction	cross direction
3	0,58	--
4	0,53	--
5	0,57	--
Mean value	0,53	--

Dynamic coefficient of friction (μ): -- ¹⁾

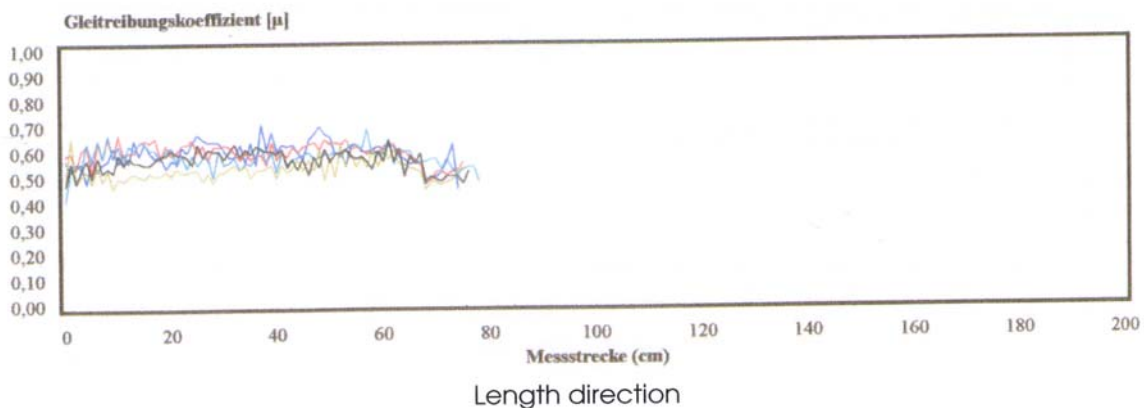
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dynamic coefficient of friction (μ)	assessment
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> 0,64	extremely safe

2.5 Diagram





3 Remarks

Sample Material

Results of performed tests only refer to the sample material provided.

Without explicit written other agreement testing is destructive and the sample material is transferred to the property of ÖTI, which is entitled to freely decide on storage and disposal.

Quality management and accreditations

This issue replaces report 49193 dated 2005-06-06

All tests and services are performed under a quality management system according to EN ISO 17025.

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End of Report