

Directive
Compliant
NEN 7909:2015



Certificate

Floor measurement

The coefficient of friction indicates the skid resistance of your floor. We have measured your floor with the GMG-200 Tribometer according to the method prescribed in NEN 7909:2015. This certificate states the friction coefficient of your floor and whether it meets the NEN7909:2015 standard for floor safety.

ASSIGNED TO

Company / organisation : GS Götz Schmitt GmbH
Name : Götz Schmitt
Address : An der Autobahn 62
Zipcode / City : 28876 Oyten, GERMANY
Description object : aMbooo® Select
20 x 140 mm, smooth/brushed
Art.nr. 653913202



MEASUREMENT RESULTS SLIP RESISTANCE

Application	Minimum requirement compliant NEN 7909:2015	Result compliant NEN 7909:2015
Dry application	$\mu \geq 0.30$	-
Wet application	$\mu \geq 0.40$	0.60
Wet application in swimming	$\mu \geq 0.45$	-

Date : 24-11-2022
Signature : Walter Boekestein

More information about NEN 7909:2015 can be found at:
<https://www.nen.nl/NEN-Shop/Norm/NEN-79092015-nl.htm>



Project: aMbooo® Select, 20 x 140 mm, smooth/brushed, art.nr. 653913202

Client

GS Götz Schmitt GmbH
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 28876 Oyten, Germany
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Examiner

De heer Walter Boekestein

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Measuring surface

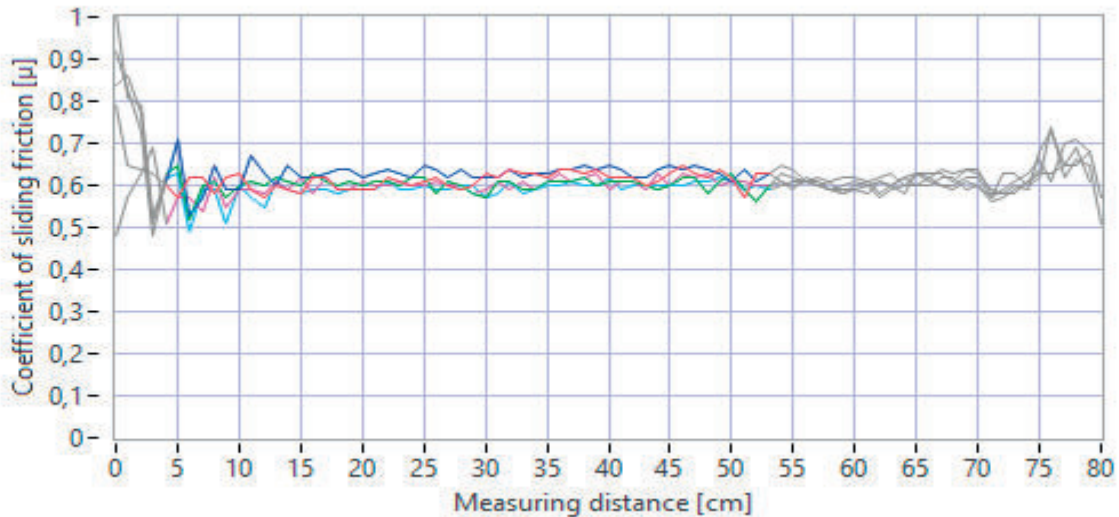
Type:	aMbooo Select	Manufacturer:	-
Year of manufacture:	-	Type of covering:	smooth/brushed
Type of use:	-	Colour:	-
Identification:	-	Reference character:	653913202
Test site:	wet		

Measuring equipment

GMG2003 S/N:	5463964	Calibration Date:	05.Oct.2022
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Measurement

GMG 200 S/N:	5463964	Date:	24.Nov.2022
Ambient temperature:	-	Ambient humidity:	-



Scan	Sliding friction coefficient μ	Slider	Test liquid:	valid
1	0,61	SBR-Rubber	0,1% Natriumlaurylsulfat	valid
2	0,63	SBR-Rubber	0,1% Natriumlaurylsulfat	valid
3	0,60	SBR-Rubber	0,1% Natriumlaurylsulfat	valid
4	0,60	SBR-Rubber	0,1% Natriumlaurylsulfat	valid
5	0,59	SBR-Rubber	0,1% Natriumlaurylsulfat	valid
Result	0,60			

Evaluation

Evaluation: OK

Soil rating

OK

Inspector: Walter Boekestein
Date: 29.11.22

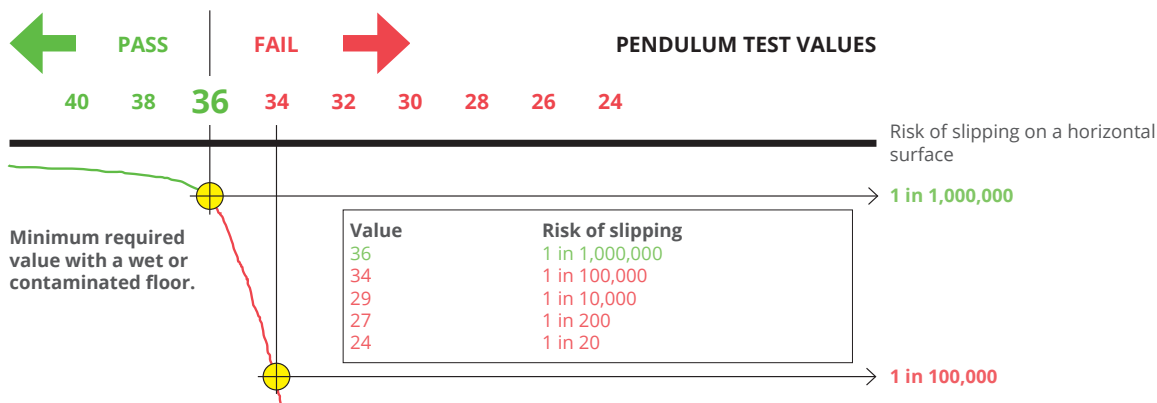
(signature)

TEST METHODS



Three different test methods are used internationally to measure floor safety:

- **Ramp Test:** maximum angle of inclination in accordance with DIN51130 or CEN/TS16165
 - Surface (normal risk): $\geq R11$
 - Surface (increased risk): $\geq R12$
- **Friction resistance:** Dynamic Frictional Resistance of Drag Foot (GMG-200 Tribometer) conform NEN7909:2015:
 - Dry application: $\mu \geq 0,30$
 - Wet application: $\mu \geq 0,40$
 - Wet application in swimming pool: $\mu \geq 0,45$
- **Pendulum:** braking of a foot with a pendulum test in accordance with EN1338, EN1344, EN13036-4, EN14837 or CEN/TS 16165



The table below shows how the results of the different test methods compare.

Inclination	R	μ	SRT
6° - 10°	R9	≤ 0.18	11 - 18
10° - 19°	R10	0.18 - 0.34	18 - 34
19° - 27°	R11	0.34 - 0.51	34 - 51
27° - 35°	R12	0.51 - 0.71	51 - 71
>35°	R13	≥ 0.71	≥ 71