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Report no. 240782-1

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Object: Determination of the anti-slip property of oak flooring, sanded with grain P100 and coated with Rubio Invisible Protector according to EN 16165: 2021 "Determination of slip resistance of pedestrian surfaces - Methods of evaluation", Annex B.

Date: 29/08/2024

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The results only relate to the tested samples.



Test material

Two test samples of oak wood flooring (1000 mm x 500 mm), sanded with grain P100 and coated with Rubio Invisible Protector, were delivered by Muylle Façon on 05/07/2024:

- 1 test surface in longitudinal direction (sample no WOOD.BE: W240701-1)
- 1 test surface in transverse direction (sample no WOOD.BE: W240701-2)



***Oak wood flooring, sanded with grain P100 and coated with Rubio Invisible Protector
(left: longitudinal direction, right: transverse direction)***



Test method

The determination of the anti-slip property was carried out according to EN 16165: 2021 “Determination of slip resistance of pedestrian surfaces - Methods of evaluation”, Annex B.

A test person wearing specified shoes in an upright position, is walking on the floor covering test specimen which is covered by a test liquid (oil) in forward and backward direction. Meanwhile the inclination of the flooring is increasing from the initial horizontal state until an acceptance angle (inclination angle when a slip occurs) is reached. The mean inclination angle of corrected ramp test values (corrected by a calibration procedure) from 2 walkers is used to assess this angle of slip.

Table NB.2 in National Annex NB of DIN EN 16165:2023-02 describes the German classification of anti-slip classes for different ranges of the acceptance angle α_{shod} :

- Angle of acceptance for class R9: 6° to 10°
- Angle of acceptance for class R10: above 10° to 19°
- Angle of acceptance for class R11: above 19° to 27°
- Angle of acceptance for class R12: above 27° to 35°
- Angle of acceptance for class R13: above 35°.

Test date

13/08/2024

Results

Finish type	Mean angle of slip α_{shod} (°)	Anti slip class according to DIN EN 16165:2023-02, National Annex NB, Table NB.2
Rubio Invisible Protector - P100	22,7	R11

Brussels, 29th August 2024

Inge Wuijters