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Dresden, 05/02/2026
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Test Report
Order No. 2726021/1

Client:	CENTEXBEL Technologiepark 70 9052 Zwijnaarde Belgium
Order:	Determination of slip resistance of floor coverings - Methods of evaluation according to EN 16165:2021-10, Annex B
Contractor:	Entwicklungs- und Prüflabor Holztechnologie GmbH Laboratory Unit Surface Testing Zellescher Weg 24 01217 Dresden Germany
Engineer in charge:	Dipl.-Ing. (FH) Michael Peter

i.V. R. Emmler
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Head of Laboratory Unit Surface Testing

The test report contains 3 pages. Any duplication of extracts requires the written permission of EPH.
The test results refer exclusively to the material tested.
All numerical values within this document are given with a comma as decimal.

1 Task

The accredited Entwicklungs- und Prüflabor Holztechnologie GmbH was instructed by company CENTEXBEL in Zwijnaarde, BELGIUM to carry out the determination of slip resistance of floor coverings - Methods of evaluation according to EN 16165:2021-10, Annex B.

2 Test material

The following sample and information were selected for testing and submitted to the contractor by the client:

Sample identification (coded by the client as follows):

PVC flooring
Reference number: T2600441

Date of sample receipt: 16/01/2026

3 Determination of slip resistance of floor coverings - Methods of evaluation according to EN 16165:2021-10, Annex B (Shod ramp test)

The determination of slip resistance of floor coverings - Methods of evaluation was carried out according to EN 16165:2021-10, Annex B and DGUV Rule 108-003 (formerly BGR 181, updated version from October 2003).

Test principle:

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, see Figure 1) from 2 walkers is used to assess this angle of slip.

Figure 1: Calibration board on Ramp test device

Performance of the test: 28/01/2026

4 Results

Mean Angle of Slip α_{shod} in °	Anti-slip class* according to DIN EN 16165:2023-02, National Annex NB (informative), Table NB.2	Assessment group* according to DGUV Rule 108-003 / BGR 181, updated version October 2003, Table 1
10,8	R10	R10

* Statements on conformity assessment/classification are made on the basis of the measurement re-sults obtained. Measurement uncertainties are not included in the assessment/classification. Here we follow: ILAC G8:09/2019 "Guidelines on Decision Rules and Statements of Conformity" 4.2.1 Binary Statement for Simple Acceptance Rule (w=0).

Anti-slip classes according to DIN EN 16165:2023-02, National Annex NB (informative), Table NB.2

Test result α_{shod}	Anti-slip class
6° to 10°	R9
about 10° to 19°	R10
about 19° to 27°	R11
about 27° to 35°	R12
about 35°	R13

Assessment group according to DGUV Rule 108-003 / BGR 181, updated version October 2003, Table 1*

Mean angle of acceptance	Assessment group
from 6° to 10°	R9
more than 10° to 19°	R10
more than 19° to 27°	R11
more than 27° to 35°	R12
more than 35°	R13

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