MAIN LABORATORY SASSUOLO

LAB N° 1170 L

Testing, Experimentation and Quality Control Laboratory

Main Laboratory Sassuolo S.r.l. - Via F.lli Setti, 7 - 42019 Scandiano - Reggio Emilia (Italy) Cod.Fisc. e P.IVA 03164360368
Tel: 0522 982603 Fax: 0522 852834 E-mail: info@mainlaboratorysassuolo.it Web: www.mainlaboratorysassuolo.it

TEST REPORT n. 4226/2025/I

DIN EN 16165:2023-02
DETERMINATION OF SLIP RESISTANCE OF PEDESTRIAN SURFACES
METHODS OF EVALUATION
ANNEX B - SHOD RAMP TEST

Date of report:	31/07/2025
Customer:	**REFIN CERAMICHE S.p.A.** Via I Maggio, 22 42010 Salvaterra (RE)
Requested on:	24/07/2025
Our ref.number:	40541
Execution place of tests:	Scandiano (RE)
Description of the sample:	"Ceramic tiles 600x1200x9 mm marked: PRES.KALE.AMBRA MAT"
Sampling:	carried out by the customer
Receipt date of samples:	24/07/2025
Execution date of tests:	start: 31/07/2025 end: 31/07/2025
Test specification:	DIN EN 16165:2023-02 - Annex B Determination of slip resistance of pedestrian surfaces - Methods of evaluation - Shod ramp test
Warnings:	*This test report may not be reproduced in part without our written approval.* *The results reported only refer to the samples tested, as received, and are only valid under the conditions in which the work was carried out.* *The information enclosed in inverted commas was provided by the customer and the laboratory accepts no liability for it.*

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DETERMINATION OF SLIP RESISTANCE OF PEDESTRIAN SURFACES

METHODS OF EVALUATION

ANNEX B - SHOD RAMP TEST

Scope: this part of the standard specifies the test method for determining the slip resistance of pedestrian surfaces using the shod ramp test.

Principle: two test persons wearing shoes are used to determine the angle of slip, after the pedestrian surface material being tested has been evenly coated with oil. The test persons, each in turn, facing down the ramp and with an upright posture, move forwards and backwards over the test surface, as they increase their angle of inclination, until the safe limit of walking is reached and a slip occurs. The mean angle of slip obtained is used to express the degree of slip resistance. Subjective influences on the angle of slip are limited by means of a correction procedure.

Test surface: sample prepared as described in B.2.2 of the standard

Surface characteristics: flat

Angle of slip: α_{shod} = 13°

Classification **National Annex NB.2**

$\alpha<6°$	$6°\leq\alpha\leq10°$	$10°<\alpha\leq19°$	$19°<\alpha\leq27°$	$27°<\alpha\leq35°$	$\alpha>35°$
U	R9	R10	R11	R12	R13
		X			

U = Unclassifiable

The laboratory does not take the measurement uncertainty into account when classifying the result. When the test result falls in the range centred on the class limit value and having as half amplitude the value of the extended uncertainty U the laboratory reports the value of the measurement uncertainty. In this case the risk (probability) of giving an incorrect classification is < 50%, in other cases the probability is < 2.5%.

MAIN LABORATORY SASSUOLO S.R.L. Centro di Ricerca, Sperimentazione e Controllo Qualità

The Director
Giulia Gaido