





LAB Nº 1170 L

## Testing, Experimentation and Quality Control Laboratory

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## TEST REPORT n. 2340/2022/I DIN EN 16165:2021-12 DETERMINATION OF SLIP RESISTANCE OF PEDESTRIAN SURFACES METHODS OF EVALUATION ANNEXE B - SHOD RAMP TEST

Date of report:	04/30/2022						
Customer:	REFIN CERAMICHE S.p.A.						
	Via I Maggio, 22 42010 Salvaterra (RE)						
Requested on:	04/20/2022						
Our ref.number:	32806						
Execution place of tests:	Scandiano (RE)						
Description of the sample:	"Unglazed ceramic tiles 1200x1200x9 mm marked: RIVER BEIGE STR R. 1200X1200X9MM"						
Sampling:	carried out by the customer						
Receipt date of samples:	04/20/2022						
Execution date of tests:	start: 04/30/2022 end: 04/30/2022						
Test specification:	DIN EN 16165:2021-12 - Annexe 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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Scope:	this part resistanc	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 pedestria persons, forwards inclinatic angle of influence	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 p	sample prepared as described in B.2.2 of the standard								
Surface characteristics:	structure	structured								
Angle of slip:	$\alpha_{shod} = 2$	$\alpha_{shod} = 22^{\circ}$								
<u>Classification</u>	National	National Annexe NA.2								
	α<6°	6°≤α<10°	10°≤α<19°	19°≤α<27°	27°≤α<35°	α≥35°				
	U	R9	R10	R11	R12	R13				

U = Unclassifiable

When classifying the result the laboratory applies the simple binary rule of acceptance of the result without guard band (Section 4.2.1 of ILAC-G8:09/2019).

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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%.



The Director Giulia Gaido

End of test report

This test report is a translation of the original in the Italian language, which is provided together with this document and which constitutes a reference document in any legal venue.