Main Laboratory Sassuolo
Centro di Ricerca, Sperimentazione, Consulenza e Controllo Qualità

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO
LAB N° 1170

TEST REPORT
CERAMIC TILES - DETERMINATION OF ANTI-SLIP CHARACTERISTICS
DIN 51130:2014

Test report n.	4602/2016 /I
Date of report:	19/10/2016
Customer:	MADE +39
Requested on:	11/10/2016
Our ref.number:	18459
Execution place of tests:	Scandiano (RE)
Description of the sample:	"Panel of dimensions 50 x 100 cm covered with ceramic tiles 30x30 cm marked: Serie CEMENT8""
Sampling:	carried out by the customer
Receipt date of samples:	12/10/2016
Execution date of tests:	start: 18/10/2016 end: 18/10/2016
Test specification:	DIN 51130:2014 Testing of floor coverings - Determination of the anti-slip property - Workrooms and fields of activities with slip danger - Walking method - Ramp test
Warnings:	*This test report can not be reproduced in part, without our written consent. The reported results relate only to the samples tested. The information included in quotation marks was provided by the customer.*

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Principle: The test regards the working areas with a high slipping risk: the procedure foresees that a person in the test walks on an inclined plane, which is floored with the tested material and greased an oil whose viscosity is SAE 10W 30.

During the execution of the test it is determined if the tested material may be properly laid down in specific work enviroments. There is an average inclination which determines the insecurity of the person
walking on the inclined plane and causes the classification of the tested material used to determine the sliding resistance.

Angle of slip (1): (alpha ± U) : (9,7 ± 1,8)°

Coverage factor: K = 2,23

Classification (2):

α< 6	6≤ α≤ 10	10<α≤ 19	19<α≤ 27	27<α≤35	α>35
NC	R9	R10	R11	R12	R13
-	60	40	-	-	-

NC = not classifiable

Annotations:

1) L 'expanded uncertainty U was determined in accordance with ISO / IEC 98 and EA-4/02 Document Guide and is obtained by multiplying the standard uncertainty by the coverage factor K corresponding to a confidence level of 95%.
2) The assignment of the R classification can be uncertain when the figure is close to the boundary value between two classes. In these cases are reported in the table the probability that the sample may fall in the respective classes with reference to a normal distribution of the measurand and considering the expanded uncertainty U associated.

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THE DIRECTOR
(M.V. Simioli)

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