



Main Laboratory Sassuolo

Centro di Ricerca, Sperimentazione, Consulenza e Controllo Qualità

Scandiano, 06/09/2015



Messrs **CERAMICHE GARDENIA ORCHIDEA S.p.A.**

Via Canaletto, 27
41040 Spezzano di Fiorano
(MO)

Confidential Test Report N. 2301/2015 /I

on ceramic tiles

Our ref.num.: 14894
Date of request: 06/03/2015

Test Specimen

"Panel of dimensions 50 x 100 cm covered with ceramic tiles 40x80 cm marked:
SERIE CONCEPT STONE"

Source

Submitted to Laboratory by Client

Date Received

06/04/2015

Time of test execution

start: 06/09/2015 end: 06/09/2015

Test detail / method description / test procedure

"Testing of floor coverings - Determination of the anti-slip properties -
wet loaded barefoot areas - walking method - ramp test
- Standard DIN 51097:1992 "

*The report relates only to the sample(s) tested. This report must not be reproduced in part
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Date 06/09/2015

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Test specimen

"Panel of dimensions 50 x 100 cm covered with ceramic tiles 40x80 cm
marked:
SERIE CONCEPT STONE"

Testing of floor coverings - determination of the anti-slip properties
wet loaded barefoot areas - walking method - ramp test
(STANDARD DIN 51097:1992)

A person in an upright position moves forward and backward on the test panel (100 x 50 cm). The inclination of this test area is increased at a constant rate (1°/s) from horizontal to an angle at which the testing person shows signs of insecurity in his movement. The test is performed with wetting agent (1g/l of sodium dodecyl sulfate + water) on the test area. The angle of inclination of the test panel is determined.

Working conditions

Size of the tested surface (m): 0,50 x 1

Surface orientation: none

Results

Average slip angle: 23 °

Application range: group B (A+B)

**Table with the ratio of the group classification
and of the inclination degree**

| Classification | Inclination angle "α" |
|----------------|-----------------------------------|
| 0 | $\alpha < 12^\circ$ |
| A | $12^\circ \leq \alpha < 18^\circ$ |
| B | $18^\circ \leq \alpha < 24^\circ$ |
| C | $\alpha \geq 24^\circ$ |



THE DIRECTOR
(M.E. Simioli)

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