



Main Laboratory Sassuolo

Centro di Ricerca, Sperimentazione, Consulenza e Controllo Qualità

Scandiano, 05/13/2011



Messrs **GRUPPO CERAMICHE RICCHETTI S.p.A.**

Via Trebbo, 109
41053 Maranello
(MO)

Confidential Test Report N. 1219/2011 /I
on ceramic tiles

Our ref.num.: 5002
Date of request: 05/04/2011

Test Specimen

"Panel of dimensions 50 x 100 cm covered with glazed ceramic tiles 20x80 cm marked: Serie CHALET PER ESTERNI"

Source

Submitted to Laboratory by Client

Date Received

05/04/2011

Time of test execution

start: 05/12/2011 end: 05/12/2011

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 without the written permission of Main Laboratory Sassuolo, nor used in any way as to lead to misrepresentation of the results or their implications.

Page 1 of 2

Mod. P023bis / rev.01



Main Laboratory Sassuolo

Centro di Ricerca, Sperimentazione, Consulenza e Controllo Qualità

Confidential Test Report N. 1219/2011 /I Page 2 of 2 Date 05/13/2011

GRUPPO CERAMICHE RICCHETTI S.p.A.

Test specimen

"Panel of dimensions 50 x 100 cm covered with glazed ceramic tiles 20x80 cm marked:

Serie CHALET PER ESTERNI"

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 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

Joint width: 5 mm

Surface orientation: none

Results

Average slip angle: 24 °

Application range: group C (A+B+C)

**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 | $\alpha \geq 24^\circ$ |

Mod. P023bis I rev.01



THE DIRECTOR
(M. Simioli)