



Main Laboratory Sassuolo

Centro di Ricerca, Sperimentazione, Consulenza e Controllo Qualità

Scandiano, 10/24/2013



Messrs **FLORIM CERAMICHE S.p.a.**

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(MO)

Confidential Test Report N. 4082/2013 /I
on ceramic tiles defined by UNI EN 14411:2012

Our ref.num.: 10651
Date of request: 10/17/2013

Test Specimen

"Unglazed paver tile 40x120 cm marked:
Serie ICON OUTDOOR articolo WHITE formato 40x120 superficie UGL marchio Casa Dolce Casa"

Source

Submitted to Laboratory by Client

Date Received

10/18/2013

Time of test execution

start: 10/21/2013 end: 10/23/2013

Test detail / method description / test procedure

" Determination of modulus of rupture and breaking strength -
Standard UNI EN ISO 10545 - 4:2012"

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.

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Test specimen

" Unglazed paver tile 40x120 cm marked:

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DETERMINATION OF MODULUS OF RUPTURE AND BREAKING STRENGTH
(Standard UNI EN ISO 10545 - 4:2012)

Principle: determination of the breaking load, breaking strength and modulus of rupture of tile by applying a force at a definite rate to centre of the tile, the point of application being in contact with the proper surface of the tile.

Operative features

d (diameter of rods), mm: 20
t (thickness of rubber), mm: 5
l₁ (overlap of tile beyond the edge supports), mm: 10,0
l₂ (span of the support rods), mm: 1177
b (width of the test specimen), mm: 397
Number of tiles in the sample: 7

Results

F_{bl} (breaking load), N:

4717 4673 4375 4756 4648 4579 4581

F_{bl} average (breaking load), N: 4618

F_{bs} (breaking strength), N:

13985 13854 12971 14100 13780 13576 13581

F_{bs} average (breaking strength), N: 13692

σ_{Fbl} (modulus of rupture), N/mm²:

57,5 58,2 56,2 59,2 57,9 57,6 57,6

σ_{Fbl} average (modulus of rupture), N/mm²: 57,7

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