



Scandiano, 05/21/2014



Messrs **ITALGRANITI GROUP S.p.A**

Via Radici in Piano, 355
41043 CASINALBO DI FORMIGINE
(MO)

Confidential Test Report N. 2129/2014 /I
on ceramic tiles defined by UNI EN 14411:2012

Our ref.num.: 12190
Date of request: 05/15/2014

Test Specimen

"Unglazed paver tiles 60x60 cm marked:
Stone D quarzite dorada 60x60 spessore 2cm (SD01682 01 A50 D)"

Source

Submitted to Laboratory by Client

Date Received

05/15/2014

Time of test execution

start: 05/19/2014

end: 05/21/2014

Detailed of test / method description / test procedure

" Determination of resistance to stains -
UNI EN ISO 10545 - 14:2000 "

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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LAB N° 1170

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Test specimen

"Unglazed paver tiles 60x60 cm marked:
 Stone D quarzite dorada 60x60 spessore 2cm (SD01682 01 A50 D)"

DETERMINATION OF RESISTANCE TO STAINS
(Standard UNI EN ISO 10545 - 14:2000)

Principle: determination of the resistance to stains by maintaining test solutions and materials in contact with the proper surface of the tiles for a suitable length of time; the surfaces are then subjected to defined cleaning methods, and finally inspected for visual changes.

Staining agents	Sample	Sample	Sample	Sample	Sample
	N. 1	N. 2	N. 3	N. 4	N. 5
	Class	Class	Class	Class	Class
<u>Stains leaving a trace (pastes)</u>					
Green staining agent in light oil	5	5	5	5	5
<u>Stains having chemical/oxidizing action</u>					
Iodine, alcoholic solution	5	5	5	5	5
<u>Stains forming a film</u>					
Olive oil	5	5	5	5	5

Classification procedure of the test of resistance to stains

- Class 5: stain removed using running hot water for 5 min
- Class 4: stain removed using a weak cleaning commercial agent, not containing abrasive, having neutral pH (Aiax), using a natural non-abrasive sponge
- Class 3: stain removed by mechanical cleaning using a strong commercial cleaning agent, containing abrasive, having basic pH (Cif)
- Class 2: stain removed with suitable solvent
- Class 1: stain not removed

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THE DIRECTOR
 (M.E. Simioli)