

Testing, Experimentation and Quality Control Laboratory

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TEST REPORT n. 2596/2024/I**CERAMIC TILES****UNI EN ISO 10545-14:2015****DETERMINATION OF RESISTANCE TO STAINS**

Date of report:	27/04/2024
Customer:	NUOVOCORSO S.p.A. Via Mulini Valle Tresinaro, 11 42033 ZOCCADELLO DI ONFIANO - CARPINETI (RE)
Requested on:	14/03/2024
Our ref.number:	37347
Execution place of tests:	Scandiano (RE)
Description of the sample:	"Glazed ceramic tiles 300x600x12 mm marked: Glazed Dry-pressed ceramic tiles with low water absorption $E_v \leq 0,5 \%$ Group BIa, Rectified"
Sampling:	carried out by the customer
Receipt date of samples:	14/03/2024
Execution date of tests:	start: 03/04/2024 end: 04/04/2024
Test specification:	UNI EN ISO 10545-14:2015 Ceramic tiles - Determination of resistance to stains
Warnings:	<i>This test report may not be reproduced in part without our written approval. The results reported only refer to the samples tested, as received, and are only valid under the conditions in which the work was carried out. The information enclosed in inverted commas was provided by the customer and the laboratory accepts no liability for it.</i>

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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.

N. samples tested: 5

Test results:

<u>Staining agents</u>	Sample 1 Class	Sample 2 Class	Sample 3 Class	Sample 4 Class	Sample 5 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 13 g/l	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: procedure A, stain removed with warm water (55 ± 5) ° C, allowed to flow for 5 min
- Class 4: procedure B, stain removed manually using a natural non-abrasive sponge and weak cleaning agent, (pH $6.5 \div 7.5$) (Ajax liquid)
- Class 3: procedure C, stain removed mechanically for 2 min using a strong cleaning agent containing abrasive (pH $9 \div 10$) (Cif)
- Class 2: procedure D, stain removed by immersing the sample in a suitable solvent for 24 hours.
- Class 1: stain not removed



The Director
Giulia Gaido