

**MODENA CENTRO PROVE s.r.l.**

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
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C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

MECCANICA

ECOLOGIA

CERAMICA

ALIMENTARE

Modena, 08/08/19

To **GRUPPO ROMANI S.P.A.**
VIA A.VOLTA 9
23/25
42013 CASALGRANDE RE

Attn. **sig. Marastoni**

MATERIAL and/or SAMPLE to be tested	Denomination of the Sample	Client Reference – Your delivery	date
PORCELAIN TILES	1066579 FOSSIL CREMA RET 60X60	NS RITIRO	15/7/19

Here attached, you will receive the Test Report of Serial No. **20195783**/n, which shows the results of tests required.

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Director
Sant'Unione dr. Giuseppe



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TEST REPORT: 20195783/1

Modena, 08/08/19

CUSTOMER	GRUPPO ROMANI S.P.A. - - VIA A.VOLTA 9 23/25 - 42013 - CASALGRANDE - RE
MATERIAL and/o SAMPLE to be tested	PORCELAIN TILES;
Denomination	1066579 FOSSIL CREMA RET 60X60;
Date of sample reception	15/07/2019;
Date of sample acceptance	15/07/2019;
Kind of test executed	Determination of the Resistance to Abrasion
Referring standards	UNI EN ISO 10545-7:2000
Shifting from standards	No one
Equipment	Abrasion tester cod. MCP C127
Subcontracted phases	No one
Sampling made by	Customer

*The test results showing in this Report are only referred to the sample taken by our staff or supplied by the Customer. He commits himself to reproduce integrally this document. Partial reproduction is forbidden.
The times of retain of the samples was indicated in the offer related to the test report.*

 Examiner p.i. Nassetti Luca	 MODENA CENTRO PROVE Ceramic Dept. Responsible P.I. De Pasquale Roberto	 MODENA CENTRO PROVE Director Sant'Unione dr. Giuseppe
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DETERMINATION OF THE RESISTANCE TO ABRASION

Beginning date :

05/08/19

Analysis ending date : 06/08/19

SAMPLE : Ceramic tiles, marked «**1066579 FOSSIL CREMA RET 60X60**»

The test was performed by rotating an abrasive load on the glazed surface of the tile; at the end of the test, the test specimens subjected to abrasion were compared with control tiles under a light source of 300 Lux, at the distance of 2 m and at the height of 1.65 m.

RESULTS

Stage of abrasion with visible variation (n° revolutions): > 12000
 Abrasion class: 5

CLASSIFICATION

1. Classification PEI

Abrasion Stage: abrasion visible at n° of turn	Class
100	0
150	1
600	2
750 - 1500	3
2100 – 6000 – 12000	4
>12000 and is in accordance with the stain resistance test UNI EN ISO 10545-14	5

2. Stain Classification of Abraded Tiles

Test Solution	Standing Time	Resistance Class
Chrome green in light oil 40%	24 h	5
Iodine alcohol solution 1.3%	24 h	5
Olive oil T.Q.	24 h	5

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LAB N°1018L

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements

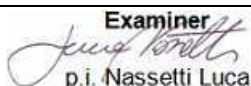
3. Stain Classification

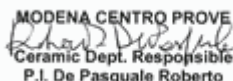
- Class 1 : stain not removed
- Class 2 : stain removed with the procedure D (immersion 24h in special solvent)
- Class 3 : stain removed with the procedure C (mechanical action with strong cleaning agent)
- Class 4 : stain removed with the procedure B (weak cleaning agent)
- Class 5 : stain removed with the procedure A (running water, 5')

REQUIREMENTS

(Standard UNI EN 14411:2016 Annex G)

Report abrasion class and cycles passed.

Examiner

p.i. Nassetti Luca

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Ceramic Dept. Responsible
P.I. De Pasquale Roberto

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