



MODENA CENTRO PROVE s.r.l.

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C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 C.F. e P. IVA n. 01592020364



LAB N°1018
Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

TEST REPORT: 20165401/1

Modena, 28/07/16

CUSTOMER

**FLORIM CERAMICHE SPA - - VIA CANALETTO 24 - 41042 - FIORANO
MODENESE - MO**

MATERIAL and/o SAMPLE to be tested

CERAMIC TILES;

Denomination

SERIE I TRAVERTINI DI REX; ARTICOLO TRAVERTINO BLACK GLOSSY;
FORMATO 40X80 SUPERFICIE GLOSSY; MARCHIO REX;

Date of sample reception

07/07/2016;

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

Calibration

RT 02 of 14/12/2015

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

Luca Nassetti
p.i. Nassetti Luca

MODENA CENTRO PROVE
Roberto De Pasquale
Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE
Giuseppe Sant'Unione
Director
Sant'Unione dr. Giuseppe



DETERMINATION OF THE RESISTANCE TO ABRASION

Beginning date : 07/21/2016

Analysis ending date : 07/21/2016

SAMPLE : Ceramic tiles, marked « **SERIE I TRAVERTINI DI REX; ARTICOLO TRAVERTINO BLACK GLOSSY; FORMATO 40X80 SUPERFICIE GLOSSY; MARCHIO REX** »

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

- Abrasion class : 3
- Stage of abrasion with visible variation : 1500 n° of revolutions

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 ISO 10545/14	5

Examiner

p.i. Nassetti Luca

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2. Stain Classification of Abraded Tiles

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

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 EN 14411:2012 Annex G)

Report abrasion class and cycles passed.

Examiner

p.i. Nassetti Luca

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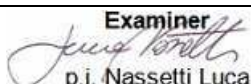
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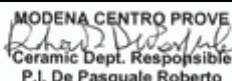
TEST REPORT: 20165395/1

Modena, 28/07/16

CUSTOMER	FLORIM CERAMICHE SPA - - VIA CANALETTO 24 - 41042 - FIORANO MODENESE - MO
MATERIAL and/o SAMPLE to be tested	CERAMIC TILES;
Denomination	SERIE I TRAVERTINI DI REX; ARTICOLO TRAVERTINO WHITE MATTE; FORMATO 60X60; SUPERFICIE NATURALE; MARCHIO REX;
Date of sample reception	07/07/2016;
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
Calibration	RT 02 of 14/12/2015
Subcontracted phases	No one
Sampling made by	Customer

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P.I. De Pasquale Roberto

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Sant'Unione dr. Giuseppe



DETERMINATION OF THE RESISTANCE TO ABRASION

Beginning date : 07/21/2016

Analysis ending date : 07/21/2016

SAMPLE : Ceramic tiles, marked « **SERIE I TRAVERTINI DI REX; ARTICOLO TRAVERTINO WHITE MATTE; FORMATO 60X60; SUPERFICIE NATURALE; MARCHIO REX** »

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

- Abrasion class : 4
- Stage of abrasion with visible variation : 12000 n° of revolutions

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 ISO 10545/14	5

Examiner

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- Class 4 : stain removed with the procedure B (weak cleaning agent)
- Class 5 : stain removed with the procedure A (running water, 5')

REQUIREMENTS

(Standard EN 14411:2012 Annex G)

Report abrasion class and cycles passed.

Examiner

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