



**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



## TEST REPORT: 20186765/1

Modena, 19/10/18

<b>CUSTOMER</b>	<b>FLORIM CERAMICHE SPA - - VIA CANALETTO 24 - 41042 - FIORANO MODENESE - MO</b>
<b>MATERIAL and/o SAMPLE to be tested</b>	porcelain tiles;
<b>Denomination</b>	serie Exalt of Cerim articolo Fairy white naturale spessore 10 mm formato 30x60 cm marchio Cerim;
<b>Date of sample reception</b>	25/09/2018;
<b>Date of sample acceptance</b>	25/09/2018;
<b>Kind of test executed</b>	Determination of the Resistance to Abrasion
<b>Referring standards</b>	UNI EN ISO 10545-7:2000
<b>Shifting from standards</b>	No one
<b>Equipment</b>	Abrasion tester cod. MCP C127
<b>Subcontracted phases</b>	No one
<b>Sampling made by</b>	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.l. Bortolai Alberto	 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 :

09/10/18

Analysis ending date : 10/10/18

**SAMPLE** : Ceramic tiles, marked « serie Exalt of Cerim articolo Fairy white naturale spessore 10 mm formato 30x60 cm marchio Cerim »

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	3
Iodine alcohol solution 1.3%	24 h	5
Olive oil T.Q.	24 h	5

Examiner

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### 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.

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