TEST REPORT: 20198604/5
Modena, 11/12/19

CUSTOMER
FLORIM CERAMICHE SPA - - VIA CANALETTO 24 - 41042 - FIORANO MODENESI - MO

MATERIAL and/o SAMPLE to be tested
porcelain tiles;

Denomination
serie Onyx & More articolo White porphyry superficie strutturato spessore 6 mm marchio casa Dolce casa;

Date of sample reception
18/11/2019;

Date of sample acceptance
18/11/2019;

Kind of test executed
Determination of the Resistance to Stains

Referring standards
UNI EN ISO 10545-14:2015

Shifting from standards
No one

Equipment
Luxmeter cod. MCP C69 - Forced ventilation stove cod. MCP C43

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.
DETERMINATION OF THE RESISTANCE TO STAINS

Beginning date : 25/11/19  Analysis ending date : 26/11/19

SAMPLE : Ceramic tiles, marked « serie Onyx & More articolo White porphyry superficie strutturato spessore 6 mm marchio casa Dolce casa »

The test was performed by subjecting the surface of the tiles to the action of test solutions and then inspecting for visual changes.

CLASSIFICATION

Classification of the Stains by Cleaning Test

```
  | Stained
  |   \-- Cleaning procedure A
  |     \-- Visual check
  \-- Stain removed

  | Stain not removed
  |   \-- Cleaning procedure B
  |     \-- Visual check
  \-- Stain not removed

  | Stain not removed
  |   \-- Cleaning procedure C
  |     \-- Visual check
  \-- Stain not removed

  | Stain not removed
  |   \-- Cleaning procedure D
  |     \-- Visual check
  \-- Stain not removed
```

5  4  3  2  1
### RESULTS

**Classification:**

<table>
<thead>
<tr>
<th>Sample n°</th>
<th>Standing time</th>
<th>Staining agents</th>
<th>Cleaning agents</th>
<th>Procedure A</th>
<th>Procedure B</th>
<th>Procedure C</th>
<th>Procedure D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Hot water</td>
<td>Weak cleaning agent</td>
<td>Strong cleaning agent</td>
<td>Solvents</td>
<td></td>
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<tr>
<td>1</td>
<td>24 hours</td>
<td>Green staining agent in light oil</td>
<td>Removed</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 hours</td>
<td>Iodine 13 g/l solution in alcohol</td>
<td>Removed</td>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>24 hours</td>
<td>Olive oil</td>
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<td></td>
</tr>
<tr>
<td>2</td>
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<td>Green staining agent in light oil</td>
<td>Removed</td>
<td>5</td>
<td></td>
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</tr>
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<td></td>
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<td>Olive oil</td>
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<tr>
<td>3</td>
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</tr>
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<td></td>
<td>24 hours</td>
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<td></td>
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<td>Olive oil</td>
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<tr>
<td>4</td>
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<td>5</td>
<td></td>
<td></td>
<td></td>
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**REQUIREMENTS UNI EN 14411:2016**

**GROUP:** Bla
**UNI EN 14411:2016 Annex:** G

**RESISTANCE TO STAINING**

<table>
<thead>
<tr>
<th>Category</th>
<th>Requirement</th>
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<tbody>
<tr>
<td>glazed tiles</td>
<td>Minimum Class 3</td>
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<tr>
<td>Unglazed tiles</td>
<td>Declared value</td>
</tr>
</tbody>
</table>

**Examiner**

P. I. Borlatai Alberto

**MODENA CENTRO PROVE**

P.I. De Pasquale Roberto

**MODENA CENTRO PROVE**

San’Unione dr. Giuseppe

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