Modena, 15/05/19

To FLORIM CERAMICHE SPA
VIA CANALETTI 24
41042 FIORANO MODENASE-MO

Attn. sig. Turrini

<table>
<thead>
<tr>
<th>MATERIAL and/or SAMPLE to be tested</th>
<th>Denomination of the Sample</th>
<th>Client Reference – Your delivery</th>
<th>date</th>
</tr>
</thead>
<tbody>
<tr>
<td>porcelain tiles</td>
<td>Serie MATIÈRES DE REX</td>
<td>-</td>
<td>18/04/2019</td>
</tr>
<tr>
<td></td>
<td>Articolo NUAGE MATTE</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Magnum spessore 6mm formato</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>60X120 cm marchio Rex</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Here attached, you will receive the Test Report of Serial No. 20193416/in, which shows the results of tests required.

MODENA CENTRO PROVE
TEST REPORT: 20193416/1

Modena, 15/05/19

CUSTOMER

FLORIM CERAMICHE SPA - VIA CANALETTO 24 - 41042 - FIORANO MODENASE - MO

MATERIAL and/o SAMPLE to be tested

porcelain tiles;

Denomination

Serie MATIÈRES DE REX Articolo NUAGE MATTE Magnum spessore 6mm formato 60X120 cm marchio Rex;

Date of sample reception

18/04/2019;

Date of sample acceptation

18/04/2019;

Kind of test executed

Determination of modulus of rupture and breaking strength

Referring standards


Shifting from standards

No one

Equipment

Flexural test machine cod. MCP C152 - Gauge cod. MCP C145 - Metric band-mill cod. MCP C56

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 MODULUS OF RUPTURE AND BREAKING STRENGTH

Beginning date : 06/05/2019
Analysis ending date : 07/05/2019

SAMPLE : Ceramic tiles, marked « Serie MATIÈRES DE REX Articolo NUAGE MATTE Magnum spessore 6mm formato 60X120 cm marchio Rex »

The test has been performed applying a load on three points, with the central load to contact with the centre line of the does superior of the tile.

RESULTS

The test has been performed on entire samples

Width of the test specimen \( b \)  
Dimension of tile \( L \)  
Diameter of rod \( d \)  
Thickness of rubber \( t \)  
Overlap of tile beyond the edge supports \( l_1 \)

<table>
<thead>
<tr>
<th>PARAMETER</th>
<th>Unit of measure</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Span between the support rods ( l_2 )</td>
<td>mm</td>
<td>1180</td>
<td>1180</td>
<td>1180</td>
<td>1180</td>
<td>1180</td>
<td>1180</td>
<td>1180</td>
</tr>
<tr>
<td>Width of the test specimen ( b )</td>
<td>mm</td>
<td>600</td>
<td>600</td>
<td>600</td>
<td>600</td>
<td>600</td>
<td>600</td>
<td>600</td>
</tr>
<tr>
<td>Minimum thickness of the specimen ( h )</td>
<td>mm</td>
<td>5,8</td>
<td>5,8</td>
<td>5,6</td>
<td>5,7</td>
<td>5,7</td>
<td>5,8</td>
<td>5,7</td>
</tr>
<tr>
<td>Breaking load ( F )</td>
<td>N</td>
<td>696</td>
<td>675</td>
<td>641</td>
<td>686</td>
<td>667</td>
<td>685</td>
<td>678</td>
</tr>
<tr>
<td>Breaking strength ( S )</td>
<td>N</td>
<td>1369</td>
<td>1328</td>
<td>1261</td>
<td>1349</td>
<td>1312</td>
<td>1347</td>
<td>1333</td>
</tr>
<tr>
<td>Modulus of rupture ( R )</td>
<td>N/mm(^2)</td>
<td>61,0</td>
<td>59,2</td>
<td>60,3</td>
<td>62,3</td>
<td>60,6</td>
<td>60,1</td>
<td>61,6</td>
</tr>
</tbody>
</table>

Breaking load \( F \) average value (N)  
Breaking strength \( S \) average value (N)  
Modulus of rupture \( R \) average value (N/mm\(^2\))

REQUIREMENTS UNI EN 14411:2016

GROUP: Bla
UNI EN 14411:2016 Annex: G

<table>
<thead>
<tr>
<th>THICKNESS</th>
<th>REQUIREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thickness ≥ 7,5 mm</td>
<td>&gt; 1300 N</td>
</tr>
<tr>
<td>Thickness &lt; 7,5 mm</td>
<td>&gt; 700 N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MODULUS OF RUPTURE*</th>
<th>REQUIREMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average value</td>
<td>&gt; 35 N/mm(^2)</td>
</tr>
<tr>
<td>Individual value</td>
<td>&gt; 32 N/mm(^2)</td>
</tr>
</tbody>
</table>

(*) Not applicable to ceramic tiles with breaking strength > 3000 N

Examiner  
[Signature]

MODENA CENTRO PROVE  
P.I. De Pasquale Roberto  
Sant'Unione dr. Giuseppe

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