TEST REPORT: 20161139/2

Modena, 29/02/16

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

MATERIAL and/o SAMPLE to be tested
PORCELAIN TILES;

Denomination
748370 PIETRE/3 LIMESTONE WHITE 60X60 RET TONO A50 CAL 5;

Date of sample reception
11/02/2016;

Kind of test executed
Determination of the Anti-Slip characteristics

Referring standards
DIN 51130:2014

Shifting from standards
No one

Equipment
Pullmeter with ramp cod. MCP C23

Calibration
RT n. 08 of 28/04/2014

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 ANTI-SLIP CHARACTERISTICS

**Beginning date**: 02/12/2016  
**Analysis ending date**: 02/15/2016

**SAMPLE**: Ceramic tiles marked «748370 PIETRE/3 LIMESTONE WHITE 60X60 RET TONO A50 CAL 5 »

The test regards the working areas with a high slipping risk: the procedure foresees that a person taking part in the test walks on an inclined plane which is floored with the tested tiles and greased an oil whose viscosity is SAE 10W-30. During the execution of the test it is determined if the tested material may be properly laid down in specific work environments.

There is an average inclination which determines the insecurity of the person walking on the inclined plane and causes the classification of the tested tiles in one of five groups used to determine the sliding resistance.

**RESULTS**

- Mean inclination angle $\alpha_{ges}$: 13,9°
- Classification : R 10

**CLASSIFICATION**

<table>
<thead>
<tr>
<th>Mean value $\alpha_{ges}$</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>$6^\circ \leq \alpha_{ges} \leq 10^\circ$</td>
<td>R 9</td>
</tr>
<tr>
<td>$10^\circ &lt; \alpha_{ges} \leq 19^\circ$</td>
<td>R 10</td>
</tr>
<tr>
<td>$19^\circ &lt; \alpha_{ges} \leq 27^\circ$</td>
<td>R 11</td>
</tr>
<tr>
<td>$27^\circ &lt; \alpha_{ges} \leq 35^\circ$</td>
<td>R 12</td>
</tr>
<tr>
<td>$\alpha_{ges} &gt; 35^\circ$</td>
<td>R 13</td>
</tr>
</tbody>
</table>

**Note**: The group classification give the parameter for determine the sliding resistance: the group R 9 is less anti-slip, the group R 13 as the maximum effectiveness anti-slip.