TEST REPORT: 20201958/4

Modena, 26/03/20

CUSTOMER

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

MATERIAL and/o SAMPLE to be tested

PORCELAIN TILES;

Denomination

Serie Buildtech 2.0 articolo White CE R+PTV formato 60x60 cm spessore 10 mm marchio Floor gres;

Date of sample reception

07/02/2020;

Kind of test executed

Determination of Dynamic Coefficient of Friction (DCOF)

Referring standards

ANSI A326.3-2017

Shifting from standards

No one

Equipment

Tribometer BOT3000E cod. MCP C143

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

p.i. Nassetti Luca

MODENA CENTRO PROVE

P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Sant'Unione dr. Giuseppe

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DETERMINATION OF DYNAMIC COEFFICIENT OF FRICTION

Beginning date : 20/02/2020
Analysis ending date : 20/02/2020

SAMPLE : Ceramic tiles, marked « Serie Buildtech 2.0 articolo White CE R+PTV formato 60x60 cm spessore 10 mm marchio Floor gres »

The test has been carried out using the instrument BOT 3000, tribometer of the coefficient of dynamic friction (DCOF) between a sliding SBR sensor and the surface of test.

WET OPERATING CONDITION

All test specimens shall be cleaned prior to testing. Place three specimens on a solid surface in a row. Wet the path that the sensor will follow with 0,05% SLS (Sodium-Lauryl Sulfate) water.
Make a total of four dynamic measurement on the center tile. Make one measurement then turn the BOT 3000 180° and make the second measurement. Then turn the tile 90° and make the final two measurements in the same fashion above. Record all four dynamic measurements and take an average.
Repeat on other two additional pieces. For textured tile, the three pieces of tile shall be representative of the different texture variations. If the tile is known to have more than three texture variations, test a representative tile of each texture.

SENSOR VERIFICATION

| Values of DCOF on standard tile before testing test specimens | 0.30 |
| Values of DCOF on standard tile after testing test specimens | 0.31 |

RESULTS

<table>
<thead>
<tr>
<th>Test Condition</th>
<th>Measure 1</th>
<th>Measure 2</th>
<th>Measure 3</th>
<th>Measure 4</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wet DCOF - tile 1</td>
<td>0.68</td>
<td>0.70</td>
<td>0.71</td>
<td>0.70</td>
<td>0.70</td>
</tr>
<tr>
<td>Wet DCOF - tile 2</td>
<td>0.72</td>
<td>0.69</td>
<td>0.71</td>
<td>0.71</td>
<td>0.71</td>
</tr>
<tr>
<td>Wet DCOF - tile 3</td>
<td>0.70</td>
<td>0.69</td>
<td>0.70</td>
<td>0.69</td>
<td>0.70</td>
</tr>
</tbody>
</table>

REFERENCE VALUES

ANSI A137.1:2017 prescribe a minimum threshold of 0,42 for level interior spaces expected to be walked upon when wet.