

**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

MECCANICA

ECOLOGIA

CERAMICA

ALIMENTARE

Modena, 08/08/19

To **GRUPPO ROMANI S.P.A.**  
VIA A.VOLTA 9  
23/25  
42013 CASALGRANDE RE

Attn. **sig. Marastoni**

MATERIAL and/or SAMPLE to be tested	Denomination of the Sample	Client Reference – Your delivery	date
PORCELAIN TILES	1066579 FOSSIL CREMA RET 60X60	NS RITIRO	15/7/19

Here attached, you will receive the Test Report of Serial No. **20195790**/n, which shows the results of tests required.

**MODENA CENTRO PROVE**

MODENA CENTRO PROVE  
  
Director  
Sant'Unione dr. Giuseppe

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**TEST REPORT: 20195790/1**

Modena, 08/08/19

<b>CUSTOMER</b>	<b>GRUPPO ROMANI S.P.A. - - VIA A.VOLTA 9 23/25 - 42013 - CASALGRANDE - RE</b>
<b>MATERIAL and/o SAMPLE to be tested</b>	PORCELAIN TILES;
<b>Denomination</b>	1066579 FOSSIL CREMA RET 60X60;
<b>Date of sample reception</b>	15/07/2019;
<b>Kind of test executed</b>	Determination of Dynamic Coefficient of Friction (DCOF)
<b>Referring standards</b>	ANSI A137.1:2017
<b>Shifting from standards</b>	No one
<b>Equipment</b>	Tribometer BOT3000E cod. MCP C143
<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.i. Nassetti Luca

MODENA CENTRO PROVE

  
Ceramic Dept. Responsible  
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

  
Director  
Sant'Unione dr. Giuseppe



## DETERMINATION OF DYNAMIC COEFFICIENT OF FRICTION

Beginning date : 05/08/2019

Analysis ending date : 05/08/2019

**SAMPLE** : Ceramic tiles, marked «**1066579 FOSSIL CREMA RET 60X60**»

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	<b>0.31</b>
Values of DCOF on standard tile after testing test specimens	<b>0.30</b>

### RESULTS

Test Condition	Measure 1	Measure 2	Measure 3	Measure 4	Average
Wet DCOF - tile 1	0.64	0.62	0.66	0.65	<b>0.64</b>
Wet DCOF - tile 2	0.65	0.64	0.64	0.65	<b>0.65</b>
Wet DCOF - tile 3	0.63	0.65	0.64	0.64	<b>0.64</b>

### REFERENCE VALUES

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

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