

**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



Certificato n°  
50 100 4582



Diploma  
IWR/IT n°  
30438



Socio



Membro



Socio

Unione Industriali  
Modena



Iscritto

Modena, 25/02/16

To LAPITEC S.p.A.  
Via Bassanese, 6 31050 Veduggio (TV)  
Italy

Attn.

**MATERIAL and/or SAMPLE to be tested** : SINTERED STONES;**Denomination of the Sample** : LAPITEC SINTERED STONE LITHOS;

Client Reference: Your delivery VS CONSEGNA

date: 13/01/2016

Here attached, you will receive the Test Report of Serial No. **20161040**/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: 20161040/3**

Modena, 25/02/16

<b>CUSTOMER</b>	LAPITEC S.p.A.
<b>MATERIAL and/o SAMPLE to be tested</b>	Via Bassanese, 6 31050 Vedelago (TV) Italy
<b>Denomination</b>	SINTERED STONES;
<b>Date of sample reception</b>	LAPITEC SINTERED STONE LITHOS;
<b>Kind of test executed</b>	13/01/2016;
<b>Referring standards</b>	Determination of Dynamic Coefficient of Friction (DCOF)
<b>Shifting from standards</b>	ANSI A137.1:2012
<b>Equipment</b>	Version 1
<b>Calibration</b>	No one
<b>Subcontracted phases</b>	Tribometer cod. MCP C110
<b>Sampling made by</b>	RT n. MCP1237122914A of 29/12/2014
	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. De Pasquale Roberto

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 : 02/02/2016

Analysis ending date : 02/02/2016

**SAMPLE** : sintered stones marked « LAPITEC SINTERED STONE LITHOS »

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>0,28</b>
Values of DCOF on standard tile after testing test specimens	<b>0,27</b>

### RESULTS

Test Condition	Measure 1	Measure 2	Measure 3	Measure 4	Average
Wet DCOF - tile 1	0,45	0,51	0,50	0,51	<b>0,49</b>
Wet DCOF - tile 2	0,56	0,51	0,51	0,51	<b>0,52</b>
Wet DCOF - tile 3	0,48	0,47	0,46	0,45	<b>0,46</b>

### REFERENCE VALUES

ANSI A137.1:2012, Version 1, prescribe (6.2.2.1.10) a minimum threshold of 0,42 for level interior spaces expected to be walked upon when wet.

 Examiner P.I. De Pasquale Roberto	 MODENA CENTRO PROVE Ceramic Dept. Responsible P.I. De Pasquale Roberto	 MODENA CENTRO PROVE Director Sant'Unione dr. Giuseppe
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