

**MODENA CENTRO PROVE s.r.l.**

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059 822417 r.a. - Fax 059380281 - e-mail : info@modenacentroprove.it - www.modenacentroprove.com
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

Inserito
nell'elenco della
Regione Emilia
Romagna per
autocontrolli
alimentari su
aceti, vini, mosti
e patate

Notifica UE
n°01599 all'attività
di certificazione CE,
ai sensi della
direttiva
89/106/CE, su
piastrelle di ceramica
e relativi adesivi di
posa

Riconosciuto dal
Ministero della
Sanità per le
analisi
sull'armento



Socio



Membro



Socio

Unione Industriali
Modena



Iscritto

ASSOCIATO



ACIMAC

ASSOCIATED

Modena, 21/11/12

To **Lapitec S.p.A.**
Via Bassanese,6
31050 Vedelago (TV)

Attn.

MATERIAL and/or SAMPLE to be tested : LAPITEC COLLEZIONE SATIN;**Denomination of the Sample** : LAPITEC COLLEZIONE SATIN;

Client Reference: Your delivery

date:

Here attached, you will receive the Test Report of Serial No. **20125522**/n, which shows the results of tests required.

MODENA CENTRO PROVE

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Director
Sant'Unione dr. Giuseppe

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TEST REPORT: 20125522/1

Modena, 21/11/12

CUSTOMER

Lapitec S.p.A. Via Bassanese, 6 31050 Veduggio (TV)

MATERIAL and/o SAMPLE to be tested

CERAMIC TILES;

Denomination

LAPITEC COLLEZIONE SATIN;

Date of sample reception

20/11/2012;

Kind of test executed

Determination of Dynamic Coefficient of Friction (DCOF)

Referring standards

ANSI A137.1:2012
Version 1

Shifting from standards

None

Equipment

Tribometer BOT 3000 cod. C110

Calibration

Cert. n. MC060112A of 01/06/2012

Subcontracted phases

None

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. Fili Thomas

MODENA CENTRO PROVE

Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe

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DETERMINATION OF DYNAMIC COEFFICIENT OF FRICTION

Beginning date : 11/20/2012

Analysis ending date : 11/20/2012

SAMPLE : Ceramic tiles, marked « LAPITEC COLLEZIONE SATIN »

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	0,30

RESULTS

Test Condition	Measure 1	Measure 2	Measure 3	Measure 4	Average
Wet DCOF - tile 1	0,46	0,46	0,48	0,47	0,47
Wet DCOF - tile 2	0,48	0,49	0,50	0,48	0,49
Wet DCOF - tile 3	0,48	0,49	0,50	0,48	0,49

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
Thomas
P.I. Fili Thomas

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Roberto
Ceramic Dept. Responsible
P.I. De Pasquale Roberto

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