



**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](mailto:info@modenacentroprove.it) - [www.modenacentroprove.com](http://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



Socio



Membro



Socio

Unione Industriali  
Modena



Iscritto

ASSOCIATO



ASSOCIATED

Modena, 08/05/15

To **CERAMICHE ATLAS CONCORDE  
SPA - SPEZZANO**  
VIA CANALETTO 141  
41042 SPEZZANO DI FIORANO MO

Attn. **DOTT. GILIOLI**

**MATERIAL and/or SAMPLE to be tested** : PORCELAIN TILES;

**Denomination of the Sample** : SERIE MARVEL PRO MATT 45X90;

Client Reference: Your delivery NS RITIRO

date: 30/04/2015

Here attached, you will receive the Test Report of Serial No. **20152874/n**, which shows the results of tests required.

**MODENA CENTRO PROVE**

MODENA CENTRO PROVE  
  
Director  
Sant'Unione dr. Giuseppe



MODENA CENTRO PROVE s.r.l.

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78  
Tel. 059822417 r.a. - Fax 059380281 - e-mail : [info@modenacentroprove.it](mailto:info@modenacentroprove.it) - [www.modenacentroprove.com](http://www.modenacentroprove.com)  
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

## TEST REPORT: 20152874/1


Modena, 08/05/15

<b>CUSTOMER</b>	<b>CERAMICHE ATLAS CONCORDE SPA - SPEZZANO - - VIA CANALETTO 141 - 41042 - SPEZZANO DI FIORANO - MO</b>
<b>MATERIAL and/o SAMPLE to be tested</b>	PORCELAIN TILES;
<b>Denomination</b>	SERIE MARVEL PRO MATT 45X90;
<b>Date of sample reception</b>	30/04/2015;
<b>Kind of test executed</b>	Determination of the Anti-Slip characteristics
<b>Referring standards</b>	DIN 51130:2014
<b>Shifting from standards</b>	None
<b>Equipment</b>	Pullmeter with ramp cod. MCP C23
<b>Calibration</b>	Taratura n. 08 del 28/04/2014
<b>Subcontracted phases</b>	None
<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. Fili Thomas

Examiner  
  
P.I. Rebottini Mattia

MODENA CENTRO PROVE  
  
Ceramic Dept. Responsible  
P.I. De Pasquale Roberto

MODENA CENTRO PROVE  
  
Director  
Sant'Unione dr. Giuseppe



MODENA CENTRO PROVE s.r.l.

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78  
Tel. 059822417 r.a. - Fax 059380281 - e-mail : [info@modenacentroprove.it](mailto:info@modenacentroprove.it) - [www.modenacentroprove.com](http://www.modenacentroprove.com)  
C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

## DETERMINATION OF THE ANTI-SLIP CHARACTERISTICS

Beginning date : 04/05/2015

Analysis ending date : 05/05/2015

**SAMPLE** : Ceramic tiles marked « SERIE MARVEL PRO MATT 45X90 »

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 10 W 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 : 6,1°
- Classification : R 9

### CLASSIFICATION

Mean Inclination Angle	Group
6° ÷ 10°	R 9
10° ÷ 19°	R 10
19° ÷ 27°	R 11
27° ÷ 35°	R 12
> 35°	R 13

**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.

Examiner  
*Thomas*  
P.I. Fili Thomas  
Examiner  
*Robuttini*  
P.I. Robuttini Mattia

MODENA CENTRO PROVE  
*Roberto De Pasquale*  
Ceramic Dept. Responsible  
P.I. De Pasquale Roberto

MODENA CENTRO PROVE  
*Giuseppe*  
Director  
Sant'Unione dr. Giuseppe