



MODENA CENTRO PROVE s.r.l.

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
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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, 22/08/17

To **CERAMIKA GRES S.A.**
UL. CERAMICZNA 1
26-200 KONSKIE - POLAND PL

Attn.

MATERIAL and/or SAMPLE to be tested	Denomination of the Sample	Client Reference – Your delivery	date
CERAMIC TILES	RANCHO	VS CONSEGNA	18/07/2017

Here attached, you will receive the Test Report of Serial No. **20175408/n**, which shows the results of tests required.

MODENA CENTRO PROVE

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Director
Sant'Unione dr. Giuseppe



MODENA CENTRO PROVE s.r.l.


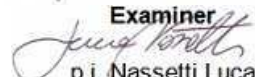
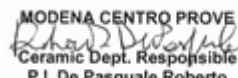

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TEST REPORT: 20175408/1

Modena, 22/08/17

CUSTOMER	CERAMIKA GRES S.A. - - UL. CERAMICZNA 1 - 26-200 - KONSKIE - POLAND - PL
MATERIAL and/o SAMPLE to be tested	CERAMIC TILES;
Denomination	RANCHO;
Date of sample reception	18/07/2017;
Kind of test executed	Determination of the Anti-Slip characteristics
Referring standards	DIN 51130:2014
Shifting from standards	No one
Equipment	Pullmeter with ramp cod. MCP C23
Calibration	RT 09 of 23/03/2016
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.*

<p>Examiner  p.i. Bortolai Alberto</p> <p>Examiner  p.i. Nasseti Luca</p>	<p>MODENA CENTRO PROVE  Ceramic Dept. Responsible P.I. De Pasquale Roberto</p>	<p>MODENA CENTRO PROVE  Director Sant'Unione dr. Giuseppe</p>
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DETERMINATION OF THE ANTI-SLIP CHARACTERISTICS

Beginning date : 22/07/2017

Analysis ending date : 24/07/2017

SAMPLE : Ceramic tiles, marked « **RANCHO** »

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 10W-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 α_{ges} : 11.4°
- Classification : R 10

CLASSIFICATION

Mean value α_{ges}	Class
$6^\circ \leq \alpha_{ges} \leq 10^\circ$	R 9
$10^\circ < \alpha_{ges} \leq 19^\circ$	R 10
$19^\circ < \alpha_{ges} \leq 27^\circ$	R 11
$27^\circ < \alpha_{ges} \leq 35^\circ$	R 12
$\alpha_{ges} > 35^\circ$	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

p.i. Bortolai Alberto
Examiner

p.i. Nasseti Luca

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