

**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

AUTOMOTIVE

Modena, 25/03/20

To **GRUPPO BETA SPA**
S.S.569 NR.234 FRAZ. SOLIGNANO
NUOVO
41014 CASTELVETRO DI MODENA MO

Attn. **SIG. BOLDRINI**

MATERIAL and/or SAMPLE to be tested	Denomination of the Sample	Client Reference – Your delivery	date
porcelain tiles	MELT	-	14/02/2020

Here attached, you will receive the Test Report of Serial No. **20201583**/n, which shows the results of tests required.

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Director
Sant'Unione dr. Giuseppe



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TEST REPORT: 20201583/1

Modena, 25/03/20

CUSTOMER

**GRUPPO BETA SPA - - S.S.569 NR.234 FRAZ. SOLIGNANO NUOVO -
41014 - CASTELVETRO DI MODENA - MO**

MATERIAL and/o SAMPLE to be tested

porcelain tiles;

Denomination

MELT;

Date of sample reception

14/02/2020;

Date of sample acceptance

14/02/2020;

Kind of test executed

Determination of the anti-slip property – Walking method – Ramp test

Referring standards

DIN 51130:2014 (Escluso capitoli 4.2
6 Raccolta di volume)

Shifting from standards

No one

Equipment

Pullmeter with ramp cod. MCP C150

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.*

Examiner p.i. Nassetti Luca	Examiner p.i. Bortolai Alberto	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 THE ANTI-SLIP PROPERTY – WALKING METHOD – RAMP TEST

Beginning date : 05/03/2020

Analysis ending date : 06-mar

SAMPLE : Ceramic tiles, marked « MELT »

RESULTS

Mean inclination angle α_{ges} : 7,6
Classification: R9

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.

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