



**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, 17/07/23

To **REFIN CERAMICHE SPA**  
VIA I MAGGIO NR. 22 FRAZ.  
SALVATERRA  
42013 CASALGRANDE RE

Attn. **SIG.RA DANIELA CATTANI**

MATERIAL and/or SAMPLE to be tested	Denomination of the Sample	Client Reference – Your delivery	date
Ceramic tiles	TUNE OUT2 ROCK 600X600	Our withdrawal of samples	23/06/2023

Here attached, you will receive the Test Report of Serial No. **20234604**/n, which shows the results of tests required.

**MODENA CENTRO PROVE**

Laboratory Director

*Giacomo Falanga*  
Dr. Falanga Giacomo



## TEST REPORT: 20234604/1

Modena, 17/07/23

<b>CUSTOMER</b>	<b>REFIN CERAMICHE SPA - - VIA I MAGGIO NR. 22 FRAZ. SALVATERRA - 42013 - CASALGRANDE - RE</b>
<b>MATERIAL and/o SAMPLE to be tested</b>	Ceramic tiles;
<b>Denomination</b>	TUNE OUT2 ROCK 600X600;
<b>Date of sample reception</b>	23/06/2023;
<b>Date of sample acceptance</b>	23/06/2023;
<b>Kind of test executed</b>	Determination of slip resistance of pedestrian surfaces – Methods of evaluation - <b>Shod ramp test</b>
<b>Referring standards</b>	DIN EN 16165:2023 Annex B
<b>Shifting from standards</b>	No one
<b>Equipment</b>	Torsion free platform cod. MCP C150
<b>Subcontracted phases</b>	No one
<b>Sampling made by</b>	Customer

*The test results reported in this Test Report refer only to the sample sampled by our staff and / or given by the Customer as received.*

*The sample identification data were provided by the customer. Further additional information provided by the Customer will be reported in the Test Report with symbol #. If the information provided by the customer influences the validity of the results, MCP declines all responsibility.*

*Any changes / additions made to the Test Report after its first issue will be identified by underlining the text.*

*The Customer undertakes to reproduce this document in its entirety. Any form of partial reproduction is prohibited.*

*The storage times of the samples are indicated on the offer or contract to which this Test Report refers.*

<b>Examiner</b>  p.i. Bortolai Alberto	<b>Examiner</b>  p.i. Nasseti Luca	<b>MODENA CENTRO PROVE</b>  Ceramic Dept. Responsible P.I. De Pasquale Roberto	<b>Laboratory Director</b>  Dr. Falanga Giacomo
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**DETERMINATION OF SLIP RESISTANCE OF PEDESTRIAN SURFACES  
METHODS OF EVALUATION - SHOD RAMP TEST**

Beginning date : 03/07/2023

Analysis ending date : 04/07/2023

**RESULTS**

Surface structure: rough  
Ramp test value  $\alpha_{shod}^{(2)}$ : 32  
Slip resistance class: R12

<sup>(2)</sup> rounded to the nearest 1 degree

**Assessment classes (National Annex DIN EN 16165:2023 - NB - § NB.2)**

Test result $\alpha_{shod}$	Slip resistance class
$6^\circ \leq \alpha_{shod} \leq 10^\circ$	R 9
$10^\circ < \alpha_{shod} \leq 19^\circ$	R 10
$19^\circ < \alpha_{shod} \leq 27^\circ$	R 11
$27^\circ < \alpha_{shod} \leq 35^\circ$	R 12
$\alpha_{shod} > 35^\circ$	R 13

<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>Laboratory Director  Dr. Falanga Giacomo</p>
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