

**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, 28/06/21

To **FLORIM CERAMICHE SPA**  
VIA CANALETTO 24  
41042 FIORANO MODENESE MO

Attn. **Dott. Davide Turrini**

MATERIAL and/or SAMPLE to be tested	Denomination of the Sample	Client Reference – Your delivery	date
Porcelain tiles	serie Earthtech articolo Fog ground R11 superficie Grip formato 60x120 spessore 20 mm brand Floor gres	Ns ritiro	08/06/2021

Here attached, you will receive the Test Report of Serial No. **20214628**/n, which shows the results of tests required.

**MODENA CENTRO PROVE**

MODENA CENTRO PROVE  
  
Director  
Sant'Unione dr. Giuseppe



## TEST REPORT: 20214628/1

Modena, 28/06/21

<b>CUSTOMER</b>	<b>FLORIM CERAMICHE SPA - - VIA CANALETTO 24 - 41042 - FIORANO MODENESE - MO</b>
<b>MATERIAL and/o SAMPLE to be tested</b>	Porcelain tiles;
<b>Denomination</b>	serie Earthtech, articolo Fog ground R11, superficie Grip, formato 60x120, spessore 20 mm, brand Floor gres;
<b>Date of sample reception</b>	08/06/2021;
<b>Date of sample acceptance</b>	08/06/2021;
<b>Kind of test executed</b>	Determination of modulus of rupture and breaking strength
<b>Referring standards</b>	UNI EN ISO 10545-4:2019
<b>Shifting from standards</b>	No one
<b>Equipment</b>	Flexural test machine cod. MCP C152 - Gauge cod. MCP C145 - Metric band-mill cod. MCP C56
<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 in blue color. 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>MODENA CENTRO PROVE</b>  Ceramic Dept. Responsible P.I. De Pasquale Roberto	<b>MODENA CENTRO PROVE</b>  Director Sant'Unione dr. Giuseppe
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## DETERMINATION OF MODULUS OF RUPTURE AND BREAKING STRENGTH

Beginning date : 21/06/2021

Analysis ending date : 22/06/2021

SAMPLE : Ceramic tiles, marked « serie Earthtech, articolo Fog ground R11, superficie Grip, formato 60x120, spessore 20 mm, brand Floor gres »

The test has been performed applying a load on three points, with the central load to contact with the centre line of the does superior of the tile.

### RESULTS

**The test has been performed on entire samples**

Width of the test specimen <b>b</b>	600	mm
Dimension of tile <b>L</b>	1200	mm
Diameter of rod <b>d</b>	20	mm
Thickness of rubber <b>t</b>	5	mm
Overlap of tile beyond the edge supports <b>l<sub>1</sub></b>	10	mm

PARAMETER	Unit of measure	Tile n°		
		1	2	3
Span between the support rods <b>l<sub>2</sub></b>	mm	1180	1180	1180
Width of the test specimen <b>b</b>	mm	600	600	600
Breaking load <b>F</b>	N	7447	7297	7322
Breaking strength <b>S</b>	N	14646	14351	14400
Modulus of rupture <b>R</b>	N/mm <sup>2</sup>	60,9	58,4	59,2

Breaking load <b>F</b> average value (N)	=	7355
Breaking strength <b>S</b> average value (N)	=	14465
Modulus of rupture <b>R</b> average value (N/mm <sup>2</sup> )	=	59,5

Examiner

*p.i. Bortolai Alberto*

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

MODENA CENTRO PROVE

*Sant'Unione dr. Giuseppe*  
 Director  
 Sant'Unione dr. Giuseppe