

**MODENA CENTRO PROVE s.r.l.**

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059 822417 r.a. - Fax 0598635115 - e-mail : info@modenacentroprove.it - 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

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 Pumice ground nat superficie Comfort formato 60x60 spessore 10 mm brand Floor gres	Ns ritiro	08/06/2021

Here attached, you will receive the Test Report of Serial No. **20214614/n**, which shows the results of tests required.

MODENA CENTRO PROVE

MODENA CENTRO PROVE

Director
Sant'Unione dr. Giuseppe



TEST REPORT: 20214614/1

Modena, 28/06/21

CUSTOMER	FLORIM CERAMICHE SPA - - VIA CANALETTO 24 - 41042 - FIORANO MODENESE - MO
MATERIAL and/o SAMPLE to be tested	Porcelain tiles;
Denomination	serie Earthtech, articolo Pumice ground nat, superficie Comfort, formato 60x60, spessore 10 mm, brand Floor gres;
Date of sample reception	08/06/2021;
Date of sample acceptance	08/06/2021;
Kind of test executed	Determination of Modulus of rupture and Breaking strength
Referring standards	UNI EN ISO 10545-4:2019
Shifting from standards	No one
Equipment	Flexural test machine cod. MCP C152 - Gauge cod. MCP C145 - Metric band-mill cod. MCP C56
Subcontracted phases	No one
Sampling made by	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.

Examiner p.i. Bortolai Alberto	MODENA CENTRO PROVE Ceramic Dept. Responsible P.I. De Pasquale Roberto	MODENA CENTRO PROVE Director Sant'Unione dr. Giuseppe
--	---	--



DETERMINATION OF MODULUS OF RUPTURE AND BREAKING STRENGTH

Beginning date : 22/06/2021

Analysis ending date : 23/06/2021

SAMPLE : Ceramic tiles, marked « serie Earthtech, articolo Pumice ground nat, superficie Comfort, formato 60x60, spessore 10 mm, brand Floor gres »

RESULTS

The test has been performed on entire samples

Width of the test specimen **b** 600 mm
 Dimension of tile **L** 600 mm
 Diameter of rod **d** 20 mm
 Thickness of rubber **t** 5 mm
 Overlap of tile beyond the edge supports **l₁** 10 mm

PARAMETER	Unit of measure	1	2	3	4	5	6	7
Tile n°								
Span between the support rods l₂	mm	580	580	580	580	580	580	580
Width of the test specimen b	mm	600	600	600	600	600	600	600
Breaking load F	N	2653	2640	2542	2634	2690	2583	2617
Breaking strength S	N	2565	2552	2457	2546	2600	2497	2530
Modulus of rupture R	N/mm ²	45,4	44,3	43,5	44,2	46,1	43,3	44,8

Breaking load **F** average value (N) = 2623
 Breaking strength **S** average value (N) = 2535
 Modulus of rupture **R** average value (N/mm²) = 44,5

Examiner

p.i. Bortolai Alberto

MODENA CENTRO PROVE

Ceramic Dept. Responsible
 P.I. De Pasquale Roberto

MODENA CENTRO PROVE

Director
 Sant'Unione dr. Giuseppe