

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

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
Tel. 059 822417 r.a. - Fax 059380281 - 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

ALIMENTARE

Modena, 28/05/19

To **CERAMICA DEL CONCA SPA**
VIA CROCE 8 FRAZIONE S.ANDREA
CASAL
47832 SAN CLEMENTE RN

Attn. **SIG.NA BORGHI**
SIG. MONTI

MATERIAL and/or SAMPLE to be tested	Denomination of the Sample	Client Reference – Your delivery	date
porcelain tiles	GRES PORCELLANATO SPESSORATO 60X60 20mm	-	16/05/2019

Here attached, you will receive the Test Report of Serial No. **20193555**/n, which shows the results of tests required.

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Director
Sant'Unione dr. Giuseppe

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TEST REPORT: 20193555/1

Modena, 28/05/19

CUSTOMER	CERAMICA DEL CONCA SPA - - VIA CROCE 8 FRAZIONE S.ANDREA CASAL - 47832 - SAN CLEMENTE - RN
MATERIAL and/o SAMPLE to be tested	porcelain tiles;
Denomination	GRES PORCELLANATO SPESSORATO 60X60 20mm;
Date of sample reception	16/05/2019;
Kind of test executed	Static load test
Referring standards	UNI EN 12825:2003
Shifting from standards	No one
Equipment	Flexural test machine cod. MCP C152
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. Bortolai Alberto

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Ceramic Dept. Responsible
P.I. De Pasquale Roberto

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STATIC LOAD TEST

Beginning date : 27/05/2019

Analysis ending date : 27/05/2019

SAMPLE: GRES PORCELLANATO SPESSORATO 60X60 20mm

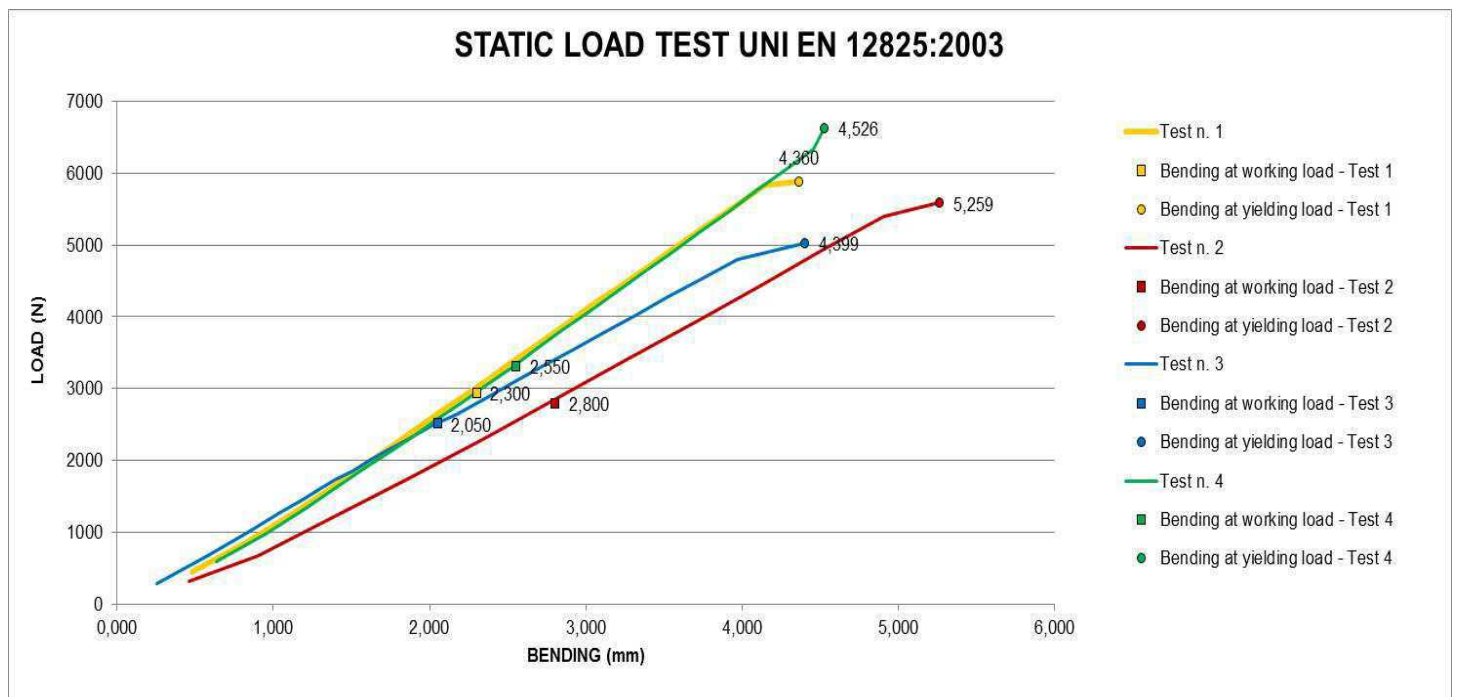
The tests were carried out by applying the load with a steel cubic punch (side 25 mm) in the positions indicated below. The load was applied with the following sequence:

- Application of the settlement load, for 5 minutes, equal to the working load (maximum load foreseen 1 divided by the safety factor), unload.
- Application of a 200 N load; after 5 minutes the bending sensor was reset and the load removed.
- Gradual application of the load until failure occurs with continuous recording of the bending of the panel.

RESULTS

PANELS WITH REINFORCEMENT/SUPPORT CROSSBARS

Centre of panel	Bending at working load (mm): 2,300 Maximum load (N): 5890,4
Centre of side	Bending at working load (mm): 2,800 Maximum load (N): 5587,3
Diagonal at 70 mm from edge	Bending at working load (mm): 2,050 Maximum load (N): 5028,1
Centre of panel	Bending at working load (mm): 2,550 Maximum load (N): 6629,1



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	Yielding load (N)	Bending at yielding load (mm)	Working load (N)	Bending at working load (mm)
Test 1	5890,4	4,360	2945,2	2,300
Test 2	5587,3	5,259	2793,6	2,800
Test 3	5028,1	4,399	2514,1	2,050
Test 4	6629,1	4,526	3314,6	2,550
MAX	6629,1	5,259	3314,6	2,800
Class of element:				2
Class of bending:				B

CLASSIFICATION

(According to UNI EN 12825:2003)

- Classes of **elements** according to UNI EN 12825:2003 p.to 4 prospetto 1

Class	Maximum load (kN)
1	≥4
2	≥6
3	≥8
4	≥9
5	≥10
6	≥12

- Classes of **bending** according to UNI EN 12825:2003 p.to 4 prospetto 2

Class	Maximum bending (mm)
A	2,5
B	3,0
C	4,0

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