



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



Certificato n°
50 100 4582



Diploma
IWR/IT n°
30438



Socio



Membro



Socio

Unione Industriali
Modena



Iscritto

ASSOCIATO



ASSOCIATED

Modena, 08/07/14

To **ITALGRANITI GROUP SPA**
VIA RADICI IN PIANO 355
41043 CASINALBO DI FORMIGINE MO

Attn. **D. MAIOLI**

MATERIAL and/or SAMPLE to be tested : PORCELAIN TILES;

Denomination of the Sample : Stone D quarzite dorada 60x60 spess 2cm (codice
SD01682 01 A50 D);

Client Reference: Your delivery VS CONSEGNA

date:

Here attached, you will receive the Test Report of Serial No. **20143909/n**, which shows the results of tests required.

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Director
Sant'Unione dr. Giuseppe



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01592020364



LAB N°1018
Membro degli Accordi di Mutuo
Riconoscimento EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual
Recognition Agreements

TEST REPORT: 20143909/1

Modena, 08/07/14

CUSTOMER	ITALGRANITI GROUP SPA - - VIA RADICI IN PIANO 355 - 41043 - CASINALBO DI FORMIGINE - MO
MATERIAL and/o SAMPLE to be tested	PORCELAIN TILES;
Denomination	Stone D quarzite dorada 60x60 spess 2cm (codice SD01682 01 A50 D);
Date of sample reception	03/07/2014;
Kind of test executed	Determination of Flexion Resistance
Referring standards	UNI EN ISO 10545-4:2012
Shifting from standards	None
Equipment	Crometro Flex 3000-LX cod. MCP C98 - Calibro Mitutoyo cod. MCP C95 - Bindella metrica MCP C56
Calibration	C98: Certificato n° 1312372FSE del 25/11/2013 - C95: Certificato n° 1302275DSI del 08/03/2013 - C56: Certificato n° C11310C8F0 del 16/07/2013
Subcontracted phases	None
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
Roberto Mattia
P. Rebottini Mattia

MODENA CENTRO PROVE
Roberto De Pasquale
Ceramic Dept. Responsible
P.I. De Pasquale Roberto

MODENA CENTRO PROVE
Giuseppe Sant'Unione
Director
Sant'Unione dr. Giuseppe



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DETERMINATION OF FLEXION RESISTANCE

Beginning date : 03/07/2014

Analysis ending date : 04/07/2014

SAMPLE : Ceramic tiles, size cm. 60X60 and marked « Stone D quarzite dorada 60x60 spess 2cm (codice SD01682 01 A50 D) »

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.

EXPERIMENTAL CONDITIONS

- **d** (switches diameter) mm : 20
- **t** (depth of switches covering) mm : 5
- **l** (distance between bearing surface and the lip of tile) mm : 10
- **L** (distance between bearing surface) mm : 580

RESULTS

Parametro	Unit of measure							
		1	2	3	4	5	6	7
Tile n°								
Breaking load F_{bl}	N	10113	10270	13435	10495	10499	13328	10801
Breaking strength F_{bs}	N	9776	9928	12987	10145	10149	12884	10441
Modulus of rupture δF_{bl}	N/mm ²	45,8	45,5	60,1	47,0	48,6	60,3	48,3

Breaking load **F_{bl}** average (N) = 11277

Breaking strength **F_{bs}** average (N) = 10901

Modulus of rupture **δF_{bl}** average (N/mm²) = 50,8

REQUIREMENTS

(Standard EN 14411:2012 Annex G)

- Modulus of rupture **δF_{bl}** average N/mm² : ≥ 35, no applicable with breaking strength ≥ 3000 N.
- Single value **δF_{bl}** N/mm² : > 32

Examiner

 P. Rebottini Mattra

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 P.I. De Pasquale Roberto

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