



MODENA CENTRO PROVE s.r.l.

Sede legale e Laboratori: 41123 Modena (Italy) - Via Sallustio, 78
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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

ALIMENTARE



Certificato n°
50 100 4582



Diploma
IWR/IT n°
30438

Inserito
nell'elenco della
Regione Emilia
Romagna per
autocontrolli
alimentari su
aceti, vini, mosti
e patate

*Notifica UE
n°01599 all'attività
di certificazione CE,
ai sensi della
direttiva
89/106/CE, su
piastrelle di ceramica
e relativi adesivi di
posa*

Riconosciuto dal
Ministero della
Sanità per le
analisi
sull'amianto



Socio



Membro



Socio

Unione Industriali
Modena



Iscritto

ASSOCIATO



ASSOCIATED

Modena, 16/01/13

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

Attn. **TURRINI DAVIDE**

MATERIAL and/or SAMPLE to be tested :

Denomination of the Sample :

Client Reference: Your delivery

date:

Here attached, you will receive the Test Report of Serial No. **20130201**/n, which shows the results of tests required.

MODENA CENTRO PROVE

MODENA CENTRO PROVE
Director
Director
Sant'Unione dr. Giuseppe



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

TEST REPORT: 20130201/1

Modena, 16/01/13

CUSTOMER	FLORIM CERAMICHE SPA - - VIA CANALETTO 24 - 41042 - FIORANO MODENESE - MO
MATERIAL and/o SAMPLE to be tested	PORCELAIN TILES CM 60X60X2;
Denomination	IND. STEEL BOC.;
Date of sample reception	17/10/2012;
Kind of test executed	Determination of Flexion Resistance
Referring standards	UNI EN ISO 10545-4
Shifting from standards	None
Equipment	Crometro Flex 1000-LX cod. MCP C93 - Calibro Mitutoyo cod. MCP C95 - Bindella metrica MCP C55
Calibration	C93: Certificato n°LAT 002 1142/2011 del 07/10/2011 - C95: Certificato n° 1101722DSI del 03/03/2011 - C55: Certificato n°C11 10B5300 del 11/05/2011
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 P.I. De Pasquale Roberto	 MODENA CENTRO PROVE Ceramic Dept. Responsible P.I. De Pasquale Roberto	 MODENA CENTRO PROVE Director Sant'Unione dr. Giuseppe
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DETERMINATION OF FLEXION RESISTANCE

Beginning date : 22/10/2012

Analysis ending date : 22/10/2012

SAMPLE : Ceramic tiles, size cm. 60X60X2 and marked « IND. STEEL BOC. »

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	Tile n°						
		1	2	3	4	5	6	7
Breaking load F_{bl}	N	17241	17023	17172	15774	15547	17383	17165
Breaking strength F_{bs}	N	16666	16456	16600	15248	15029	16804	16593
Modulus of rupture δF_{bl}	N/mm ²	65,1	67,0	68,3	62,0	61,2	68,4	67,5

- Breaking load **F_{bl}** average N : 16758
- Breaking strength **F_{bs}** average N : 16199
- Modulus of rupture **δF_{bl}** average N/mm² : 65.6

REQUIREMENTS (Norm EN 14411 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

Roberto De Pasquale
 Examiner
 P.I. De Pasquale Roberto

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 Ceramic Dept. Responsible
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 Director
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