

SEDE

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CERTI.CER.

LABORATORIO DI ZONA

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Part. IVA 0094778-0375

Bologna, 19/04/13

TEST REPORT N° 3657/13

concerning ceramic tiles according to  
EN 14411 (ISO 13006)

Requested by:	FLORIM CERAMICHE S.p.A. - Via Canaletto 24 - 41042 FIORANO MODENESE (MO)
On (date):	04/04/13
For the sample marked:	Ceramic tiles of different sizes and thickness 1,0 cm marked "Unglazed ceramic tiles - Brand FLOOR GRES - Serie INDUSTRIAL".

### EN ISO 10545-12 - Determination of frost resistance

Number of tiles in the test sample:

Water content before the freeze-thaw test (%):

Water content after the freeze-thaw test (%):

Description of defects before the test:

Damages on the glaze or proper surface and the edges of tiles after the freeze-thaw test:

Number of damaged tiles after 100 cycles from  $-5^{\circ}\text{C}$  to  $+5^{\circ}\text{C}$ :

Prof. Eng. Giorgio Emelloni  
Director



The results reported relate only to the samples tested. No responsibility is taken for the accuracy of the sampling unless it is done under our own supervision. The reproduction of this test report is only authorized in the form of a complete photographic facsimile. Our written approval is necessary for any partial reproduction. This test report consists of 1 pages, this cover included.



Consorzio universitario per la gestione del  
«Centro di ricerca e sperimentazione per  
l'industria ceramica».  
D.P.R. 10-4-1978 n. 806  
(G.U. 20-12-1978 n. 353)

Laboratorio autorizzato ad effettuare il  
servizio di rilevamento dell'inquinamento  
atmosferico.  
Decreto MINISTERO SANITÀ 10-8-1974  
(G.U. 14-9-1974 n. 240)

Laboratorio iscritto nell'albo dei «Laboratori Esterni  
Pubblici e Privati Altamente Qualificati».  
Decreto MINISTERO RICERCA SCIENTIFICA 6-6-1983  
(G.U. 6-7-1983 n. 183)

Membro ASTM  
American Society for  
Testing and Materials.