

SEDE

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CERTI.CER.

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Part. IVA 0094778-0375

Bologna, 09/12/09

TEST REPORT N° 7152/09

(translation of test report Nr. 7151/09 of 09/12/09)

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):	14/10/09
For the sample marked:	Ceramic tiles of different sizes marked "Unglazed ceramic tiles - Brand FLOOR GRES – Serie NATURAL 1.0 – Superficie LUCIDO".

EN ISO 10545-13 § 7 - Determination of chemical resistance - Unglazed tiles

Test solutions	Class of resistance				
	Test specimen 1	Test specimen 2	Test specimen 3	Test specimen 4	Test specimen 5
Household Chemicals: Ammonium Chloride 100g/l	UA	UA	UA	UA	UA
Swimming pool salts: Sodium hypochlorite 20mg/l	UA	UA	UA	UA	UA
Acids: Hydrochloric acid 3% V/V Citric acid 100g/l	ULA ULA	ULA ULA	ULA ULA	ULA ULA	ULA ULA
Alkali: Potassium Hydroxide 30g/l	ULA	ULA	ULA	ULA	ULA
Acids: Hydrochloric acid 18%V/V Lactic acid 5% V/V	UHA UHA	UHA UHA	UHA UHA	UHA UHA	UHA UHA
Alkali: Potassium Hydroxide 100g/l	UHA	UHA	UHA	UHA	UHA

CLASSIFICATION - References

U: Unglazed tiles

G: Glazed tiles

L: Low concentration chemicals

H: High concentration chemicals

Class A: No visible effect

Class B: Visible effects on cut sides

Class C: Visible effects on cut sides, non-cut sides and on the proper surface

Prof. Eng. *Giorgio Timellini*
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)

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American Society for
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