

SEDE

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CERTI.CER.

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Part. IVA 0094778-0375

Bologna, 08/02/11

TEST REPORT N° 2934/11

concerning ceramic tiles according to
EN 14411 (ISO 13006)

Requested by:	ESTIMA CERAMICA – BETONNAYA UL., 1 – NOGINSK 142410 RUSSIA
On (date):	04/02/11
For the sample marked:	Glazes ceramic tiles 10 x 10 x 1,0 cm marked "Articolo TRAVERTINO".

EN ISO 10545-7 – Determination of resistance to surface abrasion – Glazed tiles

ABRASION STAGE:

PEI, failure visible at (rev.):

>12000

Test solutions	Resistance class (ISO 10545-14)				
	Test specimen 1	Test specimen 2	Test specimen 3	Test specimen 4	Test specimen 5
Stains					
Chrome green in light oil	3	3	3	3	3
Iodine (alcoholic solution 13g/l)	5	5	5	5	5
Olive oil (def. Olive Oil Agreement - 1979)	4	4	4	4	4

CLASSIFICATION:

Abrasion class:

5

Stain resistance class - References

Resistance class 1: Stain not removed.

Resistance class 2: Stain removed by dipping in a suitable solvent for 24 hours.

Resistance class 3: Stain removed by mechanical cleaning and strong cleansing agent.

Resistance class 4: Stain removed by manual cleaning with weak cleansing agent.

Resistance class 5: Stain removed by means of hot current water for 5 min.

Prof. Eng. *Stefano Timelloni*
Director



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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.