



LABORATORIO CERAMICO SEBASTIAN CARPI
COLEGIO OFICIAL DE INGENIEROS INDUSTRIALES DE CASTELLON

N.I.F: Q - 4670001 - I

AVENIDA DEL MAR, Nº 46 - 12003 CASTELLON
TEL: 964 208 583 - FAX: 964 202 594
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TEST REPORT

PETITIONER: GRES DE LA MANCHA, S.L.

ADDRESS: Ctra. Consuegra, Km. 1,200

CITY: LOS YEBENES (Toledo)

TEST REPORT N°: 51.285

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DATE OF TEST REPORT: 01/03/2012

DATE OF RECEIPT OF THE SAMPLE: 27/01/2012

DATE OF TESTS PERFORMANCE: 27/01 - 28/02/2012

NUMBER OF TILES SUPPLIED: 16

DESCRIPTION OF THE SAMPLE:

Ceramic tiles, double extruded, 245 mm x 245 mm, glazed. Ref.:

-- **Serie TAMBORA** --

Code lab.: 28-8-12

TEST PERFORMED:

- UNE-EN-ISO 10545-13 : DETERMINATION OF CHEMICAL RESISTANCE.

José A. Estibález Catalán
MANAGER

The samples and his description have been chosen by the petitioner.

The reported results relate only to the samples tested.

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The uncertaintys have been evaluated according to recommendations of document ISO/TAG5/WGE : June 95.



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Petitioner: GRES DE LA MANCHA

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DETERMINATION OF CHEMICAL RESISTANCE

DESCRIPTION OF THE SAMPLE.-

Ceramic tiles, double extruded, 245 mm x 245 mm, glazed. Ref.:

-- **Serie TAMBORA** --

Code lab.: 28-8-12

RESULTS.- (Test performed after **UNE-EN-ISO 10545 Part 13:1998**)

* Number of test specimens used with each test solution: FIVE.

<u>Test solutions</u>	<u>Classification</u>	<u>Visual Changes</u>
* <u>Household chemicals</u> - Ammonium Chloride	GA	- No visible effects.
* <u>Swimming pool salts</u> - Sodium Hypochlorite	GA	- No visible effects.
* <u>Acids and Alkalis (Low concentrations)</u> - Hydrochloric Acid	GLB (V)	- Definite change in appearance.
- Citric Acid	GLB (V)	- Definite change in appearance.
- Potassium Hydroxide	GLA	- No visible effects.
* <u>Acids and Alkalis (High concentrations)</u> - Hydrochloric Acid	GHB (V)	- Definite change in appearance.
- Lactic Acid	GHB (V)	- Definite change in appearance.
- Potassium Hydroxide	GHA	- No visible effects.