



LABORATORIO CERAMICO SEBASTIAN CARPI
COLEGIO OFICIAL DE INGENIEROS INDUSTRIALES DE CASTELLÓN

C.I.F.: Q – 4670001-I

AVENIDA DEL MAR, Nº 46 – 12003 CASTELLÓN

TEL: 964 208 583 – FAX: 964 723 141

www.laboratoriocarpi.com

TEST REPORT

PETITIONER: VIDREPUR, S.A.

ADDRESS: Pol. Ind. Mijares, C/ Comercio, nº 3

CITY: ALMAZORA (Castellón)

TEST REPORT Nº: 54.793

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DATE OF TEST REPORT: 10/12/2015

DATE OF RECEIPT OF THE SAMPLE: 30/11/2015

DATE OF TESTS PERFORMANCE: 30/11 – 09/12/2015

NUMBER OF TILES SUPPLIED: 1 kg

DESCRIPTION OF THE SAMPLE:

Glass mosaic (with circular shaped of Φ 13 mm). Ref.:

-- -- **Serie "PERLAS"** --

Code laboratory: 363-15

TEST PERFORMED:

- UNE-EN-ISO 10545-3 : DETERMINATION OF WATER ABSORPTION
- UNE-EN-ISO 10545-11 : DETERMINATION OF CRAZING RESISTANCE. GLAZED TILES.
- 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 uncertainties have been evaluated according to recommendations of the document ISO/TAG5/WGE : June 95.

The expanded uncertainties indicated in this report are based on a standard uncertainty multiplied by a coverage factor $k=2$ wich a normal distribution provides a level of confidence of about 95 %.



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DETERMINATION OF WATER ABSORPTION

DESCRIPTION OF THE SAMPLE.-

Glass mosaic (with circular shaped of Φ 13 mm). Ref.:

-- -- **Serie "PERLAS"** --

Code laboratory: 363-15

RESULTS.- (Test performed after **UNE-EN-ISO 10545 Part 3:1997**)

* Water absorption for each tile (**Boiling method "E_b"**):

Tile	Water absorption (E_b) (%)
1	0.1
2	0.1
3	0.1
4	0.1
5	0.1

* Average water absorption of the sample: **0.1 %**

* Measurement uncertainty: **U = ± 0.1 % (k=2)**

* Average value uncertainty: **U = ± 0.1 % (k=2)**



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Date: 10/12/2015

DETERMINATION OF CRAZING RESISTANCE

*** GLAZED TILES ***

DESCRIPTION OF THE SAMPLE.-

Glass mosaic (with circular shaped of Φ 13 mm). Ref.:

-- -- **Serie "PERLAS"** --

Code laboratory: 363-15

RESULTS.- (Test performed after **UNE-EN-ISO 10545 Part 11:1997**)

* Number of tiles tested: **Fifty**

* Number of tiles showing crazing: **Not - one.**

* Description of crazing: The tiles tested are free from crazes on the glazed surface.



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DETERMINATION OF CHEMICAL RESISTANCE

DESCRIPTION OF THE SAMPLE.-

Glass mosaic (with circular shaped of Φ 13 mm). Ref.:

-- -- **Serie "PERLAS"** --

Code laboratory: 363-15

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</u> (Low concentrations) - Hydrochloric Acid	GLA	- No visible effects.
- Citric Acid	GLA	- No visible effects.
- Potassium Hydroxide	GLA	- No visible effects.
* <u>Acids and Alkalis</u> (High concentrations) - Hydrochloric Acid	GHA	- No visible effects.
- Lactic Acid	GHA	- No visible effects.
- Potassium Hydroxide	GHA	- No visible effects.