



**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: 54.435  
 PAGE Nº: 1 / 5  
 DATE OF TEST REPORT: 19/06/2015  
 DATE OF RECEIPT OF THE SAMPLE: 07/06/2015  
 DATE OF TESTS PERFORMANCE: 07- 18/06/2015  
 NUMBER OF TILES SUPPLIED: 100

### DESCRIPTION OF THE SAMPLE:

Glass mosaic, 25 mm x 25 mm., Ref.:

-- **ELEMENTS AURA (RELIEVE)** --

Code laboratory: 193-3-15

### TEST CARRIED OUT:

- UNE-EN-ISO 10545-11 : DETERMINATION OF CRAZING RESISTANCE. GLAZED TILES.
- UNE-EN-ISO 10545-13 : DETERMINATION OF CHEMICAL RESISTANCE.
- UNE-EN-ISO 10545-14 : DETERMINATION OF RESISTANCE TO STAINS.
- UNE 67101 and 1M : DETERMINATION OF SCRATCH HARDNESS ACCORDING TO MOHS.

\*\*\*\*\*

**JOSE ANTONIO I  
 ESTIBALEZI  
 CATALAN**

Firmado digitalmente por JOSE ANTONIO I  
 ESTIBALEZI CATALAN  
 Nombre de reconocimiento (DN): cn=JOSE  
 ANTONIO I ESTIBALEZI CATALAN, sn=ESTIBALEZ  
 CATALAN, givenName=JOSE ANTONIO, c=ES,  
 o=ACCY, ou=Ciudadanos,  
 serialNumber=18922203B  
 Fecha: 2016.02.10 18:12:54 +01'00'

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.

This report must not be reproduced in part without the written permission of Laboratory.

Electronically signed reports on digital support is considered an original document, as well as electronic copies. Printing paper has no legal validity.



**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.laboratoriocarpicom**

Test report n°: 54.435

Page n° : 2 / 5

Petitioner: VIDREPUR

Date: 19/06/2015

## DETERMINATION OF CRAZING RESISTANCE

### **\* GLAZED TILES \***

#### DESCRIPTION OF THE SAMPLE.-

Glass mosaic, 25 mm x 25 mm,. Ref.:

-- **ELEMENTS AURA (RELIEVE)** --

Code laboratory: 193-3-15

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

\* Number of tiles tested: **Five**

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

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

\*\*\*\*\*





**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 nº: 54.435

Page nº : 3 / 5

Petitioner: VIDREPUR

Date: 19/06/2015

## DETERMINATION OF CHEMICAL RESISTANCE

### DESCRIPTION OF THE SAMPLE.-

Glass mosaic, 25 mm x 25 mm., Ref.:

-- **ELEMENTS AURA (RELIEVE)** --

Code laboratory: 193-3-15

### 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 .....	<b>GA</b>	- No visible effects.
* <u>Swimming pool salts</u> - Sodium Hypochlorite .....	<b>GA</b>	- No visible effects.
* <u>Acids and Alkalis</u> (Low concentrations) - Hydrochloric Acid .....	<b>GLA</b>	- No visible effects.
- Citric Acid .....	<b>GLA</b>	- No visible effects.
- Potassium Hydroxide .....	<b>GLA</b>	- No visible effects.
* <u>Acids and Alkalis</u> (High concentrations) - Hydrochloric Acid .....	<b>GHA</b>	- No visible effects.
- Lactic Acid .....	<b>GHA</b>	- No visible effects.
- Potassium Hydroxide .....	<b>GHA</b>	- No visible effects.



**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.laboratoriocarpicom

Test report n°: 54.435

Page n° : 4 / 5

Petitioner: VIDREPUR

Date: 19/06/2015

## DETERMINATION OF RESISTANCE TO STAINS

### DESCRIPTION OF THE SAMPLE.-

Glass mosaic, 25 mm x 25 mm,. Ref.:

-- **ELEMENTS AURA (RELIEVE)** --

Code laboratory: 193-3-15

### RESULTS.- (Test performed after **UNE-EN-ISO 10545 Part 14:1998**)

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

<u>Staining Agents</u>	<u>Cleaning Procedure</u>	<u>Class</u>	<u>Observations</u>
* <u>Stains having tracing action (Pastes).</u> - Green staining agent in light oil	- Running hot water for five minutes. (Procedure A).	<b>5</b>	- Stain removed.
* <u>Stains having chemical / oxidizing action</u> - Iodine alcohol solution .....	- Running hot water for five minutes. (Procedure A).	<b>5</b>	- Stain removed.
* <u>Stains having filming action</u> - Olive oil .....	- Running hot water for five minutes. (Procedure A).	<b>5</b>	- Stain removed.

\* Observations: The chromium oxide used as green staining agent have a grain size less than 80 microns, being the 50 % (m/m) of theirs down on 3 microns.

\*\*\*\*\*





**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.laboratoriocarpicom**

Test report n°: 54.435

Page n° : 5 / 5

Petitioner: VIDREPUR

Date: 19/06/2015

## DETERMINATION OF SCRATCH HARDNESS ACCORDING TO MOHS

### DESCRIPTION OF THE SAMPLE.-

Glass mosaic, 25 mm x 25 mm,. Ref.:

-- **ELEMENTS AURA (RELIEVE)** --

Code laboratory: 193-3-15

RESULTS.- (Test performed after Standard **UNE 67-101:1985 and UNE 67-101/1M:1992**) (\*)

Tile

Mohs Hardness

1

4

2

4

3

4

---

(\*) Note: This standards are repealed since 18.03.2009.