



Scandiano, 06/24/2014



Messrs **SERENISSIMA CIR IND. CERAMICHE SPA**  
**SOC. UNIPERSONALE**  
Via A. Volta n.9.23.25  
42013 CASALGRANDE  
(RE)

**Confidential Test Report N. 2622/2014 /I**  
on ceramic tiles defined by UNI EN 14411:2012

Our ref.num.: 12385  
Date of request: 06/17/2014

**Test Specimen**

"Glazed paver tile 60x120 cm marked:  
Serie GRAVITY art. LIGHT"

**Source**

Submitted to Laboratory by Client

**Date Received**

06/17/2014

**Time of test execution**

start: 06/17/2014      end: 06/24/2014

**Test detail / method description / test procedure**

" Determination of chemical resistance -  
Standard UNI EN ISO 10545 - 13:2000 "

*The report relates only to the sample(s) tested. This report must not be reproduced in part without the written permission of Main Laboratory Sassuolo, nor used in any way as to lead to misrepresentation of the results or their implications.*

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LAB N° 1170

Confidential Test Report N. 2622/2014 /I  
**SERENISSIMA CIR IND. CERAMICHE SPA**

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**SOC. UNIPERSONALE**

Date 06/24/2014

Test specimen

"Glazed paver tile 60x120 cm marked:  
 Serie GRAVITY art. LIGHT"

**DETERMINATION OF CHEMICAL RESISTANCE**  
**(Standard UNI EN ISO 10545 - 13:2000)**

Definition: *subjection of the test specimens to the action of the test solutions and visual determination of attack after a defined period.*

Number of test specimens: **5 each test solution.**

Pencil test: normal classification

**Test solutions**

	Class of resistance				
	Sample 1	Sample 2	Sample 3	Sample 4	Sample 5
<u>Household chemicals</u>					
ammonium chloride solution, 100 g/l	G A	G A	G A	G A	G A
<u>Swimming pool salts</u>					
sodium hypochlorite solution, 20 mg/l	G A	G A	G A	G A	G A
<u>Acids (low concentrations)</u>					
hydrochloric acid solution, 3 % (V/V)	GL B	GL B	GL B	GL B	GL B
citric acid solution, 100 g/l	GL A	GL A	GL A	GL A	GL A
<u>Alkalis (low concentrations)</u>					
potassium hydroxide solution, 30 g/l	GL C	GL C	GL C	GL C	GL C
<u>Acids (high concentrations)</u>					
hydrochloric acid solution, 18 % (V/V)	GH B	GH B	GH B	GH B	GH B
lactic acid solution, 5 % (V/V)	GH A	GH A	GH A	GH A	GH A
<u>Alkalis (high concentrations)</u>					
potassium hydroxide solution, 100 g/l	GH C	GH C	GH C	GH C	GH C

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THE DIRECTOR  
 (M. Simioli)