



LAB N° 1170

Scandiano, 11/24/2014



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

Confidential Test Report N. 4900/2014 /I
on ceramic tiles defined by UNI EN 14411:2012

Our ref.num.: 13489
Date of request: 11/10/2014

Test Specimen

"Glazed paver tile 60x60 cm marked:
Serie XTREME"

Source

Submitted to Laboratory by Client

Date Received

11/18/2014

Time of test execution

start: 11/18/2014 end: 11/24/2014

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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Date 11/24/2014

Test specimen

"Glazed paver tile 60x60 cm marked:
 Serie XTREME"

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 A	GL A	GL A	GL A	GL A
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 A	GL A	GL A	GL A	GL A
<u>Acids (high concentrations)</u>					
hydrochloric acid solution, 18 % (V/V)	GH A	GH A	GH A	GH A	GH A
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 A	GH A	GH A	GH A	GH A

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THE DIRECTOR
 (M.B. Simioli)

