



**MODENA CENTRO PROVE s.r.l.**  
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C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 C.F. e P. IVA n. 01592020364



## TEST REPORT: 20186767/3

Modena, 19/10/18

### CUSTOMER

**FLORIM CERAMICHE SPA - - VIA CANALETTO 24 - 41042 - FIORANO  
MODENESE - MO**

### MATERIAL and/o SAMPLE to be tested

porcelain tiles;

### Denomination

serie Exalt of Cerim articolo Amber Sympony naturale spessore 10 mm  
formato 60x120 cm marchio Cerim;

### Date of sample reception

25/09/2018;

### Kind of test executed

Determination of Chemical Resistance

### Referring standards

UNI EN ISO 10545-13:2017

### Shifting from standards

No one

### Equipment

Forced ventilation stove cod. MCP C43

### Subcontracted phases

No one

### Sampling made by

Customer

*The test results showing in this Report are only referred to the sample taken by our staff or supplied by the Customer. He commits himself to reproduce integrally this document. Partial reproduction is forbidden.  
The times of retain of the samples was indicated in the offer related to the test report.*

Examiner

p.l. Bortolai Alberto

MODENA CENTRO PROVE  
  
Ceramic Dept. Responsible  
P.I. De Pasquale Roberto

MODENA CENTRO PROVE  
  
Director  
Sant'Unione dr. Giuseppe



**DETERMINATION OF CHEMICAL RESISTANCE**

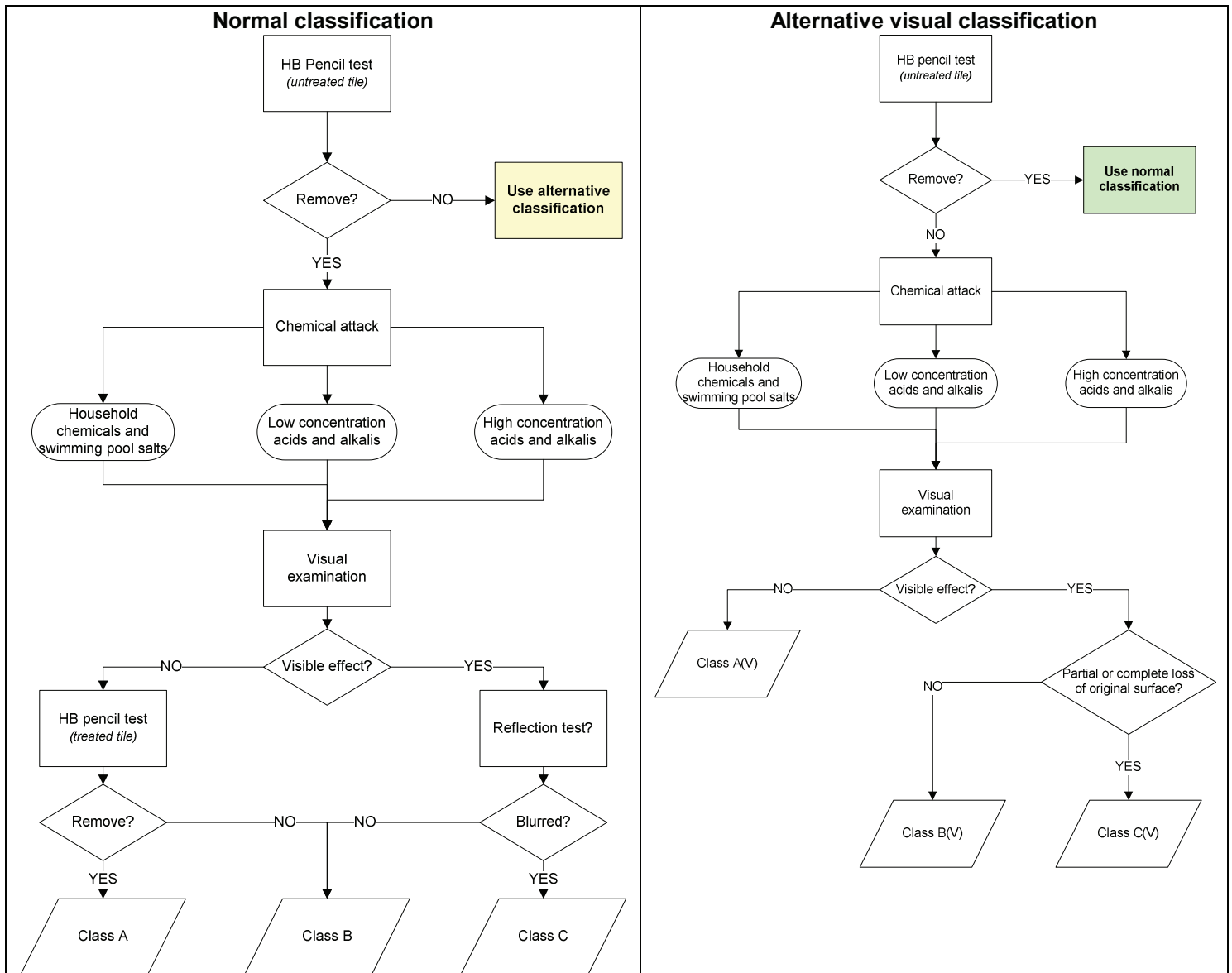
Beginning date : 08/10/2018

08/10/2018

Analysis ending date : 12/10/2018

**SAMPLE** : Ceramic tiles, marked « serie Exalt of Cerim articolo Amber Sympony naturale spessore 10 mm formato 60x120 cm marchio Cerim »

**CLASSIFICATION**



**Examiner**  
  
 p.l. Bortolai Alberto

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**RESULTS**

TEST SOLUTIONS	Period of Test	CLASS OF RESISTANCE Sample 1	CLASS OF RESISTANCE Sample 2	CLASS OF RESISTANCE Sample 3
Ammonium chloride 100 g/l	24 hours	A	A	A
Sodium hypochlorite solution 20 mg/l	24 hours	A	A	A
Citric acid solution 100 g/l	24 hours	LA	LA	LA
Hydrochloric acid solution 3% (V/V)	(96±1) hours	LA	LA	LA
Potassium hydroxide 30 g/l	(96±1) hours	LA	LA	LA
Hydrochloric acid solution 18% (V/V)	(96±1) hours	HA	HA	HA
Lactic acid 5% (V/V)	(96±1) hours	HA	HA	HA
Potassium hydroxide 100 g/l	(96±1) hours	HA	HA	HA

**REQUIREMENTS UNI EN 14411:2016**

GROUP: Bla  
 UNI EN 14411:2016 Annex: G

		REQUIREMENT
<b>CHEMICAL RESISTANCE</b>	Testing with household chemicals, swimming pool salt	minimum classe B
	Testing with products at low acid and alkalis concentration	declared value
	Testing with products at high acid and alkalis concentration	declared value

Type of chemical attack: contact on proper surface

 p.l. Bortolai Alberto	 MODENA CENTRO PROVE Ceramic Dept. Responsible P.I. De Pasquale Roberto	 MODENA CENTRO PROVE Director Sant'Unione dr. Giuseppe
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