

Requested by:	GAMBINI GROUP S.p.A. Via Radici in Piano, 675 – 41049 SASSUOLO (MO)		
For the sample:	Glazed ceramic tiles 35,5 x 71 x 0,9 cm marked "Articolo MARMI CARRARA BIANCO 35,5x71 cm".		
On (date):	27/12/17	Date of receipt in laboratory (sample delivered by the client): 12/12/17	
Test date	From: 11/01/18		To: 15/01/18

EN ISO 10545 – 13 - Determination of chemical resistance

Procedure followed: contact on proper surface partial immersion

Test solutions		Classification		
		Test specimen 1	Test specimen 2	Test specimen 3
Household chemicals	Ammonium Chloride 100g/l	A(V)	A(V)	A(V)
Swimming pool salts	Sodium hypochlorite 20mg/l	A(V)	A(V)	A(V)
Acids	Hydrochloric acid 3% V/V	LA(V)	LA(V)	LA(V)
	Citric acid 100g/l	LA(V)	LA(V)	LA(V)
Alkalis	Potassium Hydroxide 30g/l	LA(V)	LA(V)	LA(V)
Acids	Hydrochloric acid 18%V/V	HA(V)	HA(V)	HA(V)
	Lactic acid 5% V/V	HA(V)	HA(V)	HA(V)
Alkalis	Potassium Hydroxide 100g/l	HA(V)	HA(V)	HA(V)

Pencil test applies: yes Reflexion test applies: not

Legenda

L: low concentrations solutions
H: high concentrations solutions
V: visual classification (when pencil test and/or reflexion test **are not** applicable)

Classe **A:** no visible effect
Classe **B:** discernable visible change in appearance
Classe **C:** partial or complete loss of the original surface appearance

Eng. Giordana Carani
Technical approval



Prof. Maria Chiara Bignozzi
Director



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