



Geoceramic Researches S.r.l.

Via Bacchello, 9
40050 Monte San Pietro BO - Italy
Tel. 051/6761738 - fax 051/6761736
e-mail : geoceramic@iol.it
home page : <http://www.geoceramic.it>

Laboratorio Tecnologico e Sperimentale per le Industrie Ceramiche e dei Laterizi

TEST REPORT

TS N°: 249/16eng

DATE 30/09/2016

Spett.le
GRUPPO ROMANI S.p.A.

Via A. Volta, 9-23/25
42013 CASALGRANDE RE

UNI EN ISO 10545-13 : 2000

DETERMINATION OF CHEMICAL RESISTANCE

This norm defines a method of test for determining the chemical resistance of ceramic tiles at room temperature. The method is applicable to all types of ceramic tiles.

Samples arrived 23/09/2016 (sampling executed by Costumer)

DESCRIPTION TILES : 40x40 cm
TYPE : CIR MAT C CLOUD NAT

Test start 23/09/2016
Test finished 27/09/2016

Test solutions for chemical resistance: hydrochloric acid solution 3% (v/v) for 4 days.; citric acid solution (100 g/l) for one day; potassium hydroxide 30 g/l for 4 days; sodium hypochlorite solution (20 mg/l) for one day; ammonium chloride solution (100 g/l) for one day.

TEST SAMPLES : Every solution has been tried on n° 5 fragments of floor tile .

Classification

Household chemicals : ammonium chloride
Swimming pool salts : sodium hypochlorite

GA class
GA class

Acids and alkalies

citric acid
hydrochloric acid
potassium hydroxide

GLA class
GLA class
GLA class


Laboratory Head
P.I. Riccardo Frabetti