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Laboratory for Experimental and Technological Ceramics and Brick Industries

TEST REPORT

TS N°: 287/17eng

DATE 05/01/2018

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

UNI EN ISO 10545-13 : 2017

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 20/12/2017 (sampling executed by Costumer)

DESCRIPTION TILES : 100x100 cm
TYPE : 1B2 CERCOM MB3 GHIACCIO RET A 51 5

Test start 22/12/2017
Test finished 27/12/2017

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

A class
A class

Acids and alkalies

citric acid
hydrochloric acid
potassium hydroxide

LA class
LA class
LA class

Laboratory Head
P.I. Riccardo Frabetti