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Laboratorio Tecnologico e Sperimentale per le Industrie Ceramiche e dei Laterizi

TEST REPORT

TS N°: 295/16eng

DATE 25/11/2016

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 14/11/2016 (sampling executed by Costumer)

DESCRIPTION TILES : 80x80 cm
TYPE : UGL

Test start 14/11/2016
Test finished 25/11/2016

Test solutions for chemical resistance: hydrochloric acid solution 3% and 18% (v/v) for 12 days; citric acid solution (100 g/l) for 12 days; potassium hydroxide 30 e 100 g/l for 12 days; sodium hypochlorite solution (20 mg/l) for 12 days; ammonium chloride solution (100 g/l) for 12 days and lactic acid solution 5% (v/v) for 12 days.

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

Classification

Household chemicals : ammonium chloride
Swimming pool salts : sodium hypochlorite

UA class
UA class

Acids and alkalies low concentrations
citric acid
hydrochloric acid
potassium hydroxide

ULA class
ULA class
ULA class

Acids and alkalies high concentrations
lactic acid
hydrochloric acid
potassium hydroxide

UHA class
UHA class
UHA class

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