

TCNA TEST REPORT NUMBER: TCNA-0895-18 (Rev. 2)

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TEST REQUESTED BY: Betsan Mosaix

TEST METHOD: ASTM C650-04 (2014): "Resistance of Ceramic Tile to Chemical Substances"

Informal Test Method Description: This test method covers a procedure for determining whether, and to what degree, ceramic tiles are affected by prolonged exposure to chemical substances that are commonly in the household or for cleaning purposes as well as other more severe conditions. This test method calls for one or more tests, each consisting of exposing flat pieces of ceramic tile to the action of a specific chemical substance for a definite period of time at a prescribed temperature.

This summary is provided for the reader's convenience and is not a complete description of the method. See ASTM C650 for all method details and information.

TEST SUBJECT MATERIAL: Identified by client as: "Betsan Mosaix"
Approximate Size as Received: 1"x1" on mosaic sheets

TEST DATE: 10/15/18 - 10/16/18

TEST PROCEDURE NOTES:

Sample prep: None

One (1) 1"x1" specimen was tested for each test solution.

The specimens were exposed to the test solutions for 24 hrs at 74 F.

TEST RESULTS:

	Test Solution	Visual Test (Affected?)	Pencil Test (Affected?)
Common Household and Cleaning Chemicals	Acetic acid, 3% (v/v)	No	No
	Acetic acid, 10% (v/v)	No	No
	Ammonium chloride, 100 g/L	No	No
	Citric acid solution, 30 g/L	No	No
	Citric acid solution, 100 g/L	No	No
	Lactic acid, 5% (v/v)	No	No
	Phosphoric acid, 3% (v/v)	No	No
	Phosphoric acid, 10% (v/v)	No	No
	Sulfamic acid, 30 g/L	No	No
	Sulfamic acid, 100 g/L	No	No
Swimming Pool Chemicals	Sodium hypochlorite solution, 20 mg/L	No	No
Acids and Bases	Hydrochloric acid solution, 3% (v/v)	No	No
	Hydrochloric acid solution, 18% (v/v)	No	No
	Potassium hydroxide, 30 g/L	No	No
	Potassium hydroxide, 100 g/L	No	No

COMMENTS: None



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ANSI SPECIFICATIONS*:

ANSI standard	Class	Maximum number of affected samples
ANSI A137.1/A137.2	Class A	0
ANSI A137.1/A137.2	Class B	1
ANSI A137.1/A137.2	Class C	2
ANSI A137.1/A137.2	Class D	3
ANSI A137.1/A137.2	Class E	4 or more

*For more detailed information, refer to ANSI A137.1 Specifications for Ceramic Tile or ANSI A137.2 Specifications for Glass Tile

IMAGE OF PRODUCT TESTED:



Report Revision Log:

Revision #	Date Issued	Pages	Revision
0	11/13/18	3	Original Report Issue
1	7/16/20	3	Revision to add the company name
1	7/17/20	3	Revision to the company name



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7/17/2020

