



PRODUCT TESTING SERVICE

100 Clemson Research Blvd. Anderson, SC 29625 Tel (864) 646-TILE Fax (864) 646-2821

TCA TEST REPORT NUMBER: TCA-231-05

PAGE: 1 OF 1

TEST REQUESTED BY: Reviglass
Attn: Jose Manuel Gimenez
Ctra. Tolosa - Azpeitia, Km.8
20496 BIDANIA (Guipuzkoa) Spain
Apdo.150 E- 20400 Tolosa

TEST SUBJECT MATERIAL: Identified by client as: Glazed

TEST DATE: 9/21/05-9/22/05

TEST PROCEDURE: ASTM C650: "Resistance of Ceramic Tile to Chemical Substances"
-One 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, 3% (v/v)	NO	NO
Sulfamic acid, 10% (v/v)	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

Noah Chitty
Laboratory Manager

Date



PRODUCT TESTING SERVICE

100 Clemson Research Blvd. Anderson, SC 29625 Tel (864) 646-TILE Fax (864) 646-2821

TCA TEST REPORT NUMBER: TCA-231-05

PAGE: 1 OF 1

TEST REQUESTED BY:

Reviglass
Attn: Jose Manuel Gimenez
Ctra. Tolosa - Azpeitia, Km.8
20496 BIDANIA (Guipuzkoa) Spain
Apdo.150 E- 20400 Tolosa

TEST SUBJECT MATERIAL:

Identified by client as: Glazed

TEST DATE:

9/21/05

TEST PROCEDURE:

Mohs' Scratch Hardness
-Three whole tiles were tested.

TEST RESULTS:

The Mohs' Scratch Hardness was determined to be: 5. (The Mohs' Scratch Hardness Scale runs from 1-talc to 10-diamond.)

Noah Chitty
Laboratory Manager

9/27/05
Date



PRODUCT TESTING SERVICE

100 Clemson Research Blvd. Anderson, SC 29625 Tel (864) 646-TILE Fax (864) 646-2821

TCA TEST REPORT NUMBER: TCA-231-05

PAGE: 1 OF 1

TEST REQUESTED BY:

Reviglass
Attn: Jose Manuel Gimenez
Ctra. Tolosa - Azpeitia, Km.8
20496 BIDANIA (Guipuzkoa) Spain
Apdo.150 E- 20400 Tolosa

TEST SUBJECT MATERIAL:

Identified by client as: Glazed

TEST DATE:

9/20/05-9/22/05

TEST PROCEDURE:


ASTM C373: "Standard Test Method for Water Absorption, Bulk Density, Apparent Porosity, and Apparent Specific Gravity of Fired Whiteware Products"
-Five specimens were tested.
-The specimens were subjected to a five-hour boil and 24 hour soak to room temperature.

TEST RESULTS:

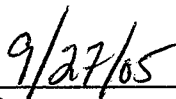
The average water absorption of five (5) specimens was: **0.08%**. This value classifies the subject material as impervious (with a water absorption of less than 0.5 percent).

The individual results of water absorption were as follows:

Specimen 1: 0.03 %
Specimen 2: 0.03 %
Specimen 3: 0.12 %
Specimen 4: 0.11 %
Specimen 5: 0.10 %



Noah Chitty
Laboratory Manager



Date