



# SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory, Established 1904

781 E. Washington Boulevard Los Angeles, California 90021 ♦ (213) 749-3411 ♦ Fax (213) 741-8626

Proj. No.: 37139-1  
Lab No.: T-07-144

August 20, 2007

Client : GREG FILLO  
BEDROSIANS  
1515 E. WINSTON ROAD  
ANAHEIM, CA 92805-6445

Subject: (TCR MGT 0766) 6" x 6" Glass Tilrd, "Madelyn Lime Green" Field Tile 07)  
Specification : ASTM C-650 (Qualitative Observation Only)  
Source : Submitted to Laboratory by Client

### Report of Tests

#### CHEMICAL RESISTANCE OF CERAMIC TILE (ASTM C 650)

Exposure time : 24 hours

Room temperature : 75.5 °F

<u>Tile Number</u>	<u>Acid 10% HCL</u>	<u>Alkali 10% KOH</u>
1.	Unaffected	Unaffected
2.	Unaffected	Unaffected
3.	Unaffected	Unaffected
4.	Unaffected	Unaffected
5.	Unaffected	Unaffected
6	Unaffected	Unaffected

Requirements : No Requirement

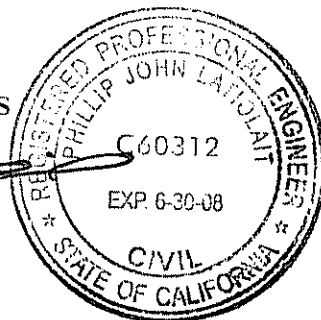
Remarks : Sample Tested Shows no Physical Damage After Test

Respectfully Submitted.

SMITH - EMERY LABORATORIES

P. John Latloliait  
Registered Civil Engineer No C60312  
Registration Expires: 06-30-08

dp



- The materials tested comply with specifications.
- The materials tested did not comply with specification.
- No established criteria for acceptable limits.

CC: BEDROSIANS: SMITH-EMERY LABORATORIES



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Project/Job No : 37139-1  
Laboratory No : T-07-114

August 20, 2007

Client : GREG FILLO  
BEDROSIANS  
1515 E. WINSTON ROAD  
ANAHEIM, CA 92805-6445

Subject: (TCR MGT 0566) 6" x 6" Madelyn Taupe Glass Tile (Field Tile 5)  
Specification : Standard Methods of Sampling and Testing Ceramic Veneer, Section 6.  
Source : Submitted to Smith-Emery Laboratories by Client on August 1, 2007  
Date Tested: 8/7/07

### Report of Tests

#### CRAZING TEST - ASTM C 126-99 SECTION 16.4

##### *Procedure*

Five (5) samples were placed in an autoclave using distilled water. The steam pressure was raised to 150 PSI as specified, and retained for 1 hour before turning off the heat source and releasing the steam pressure immediately by opening the blow-off valve. The samples were removed and inspected using an ink solution applied to the glazed surface. Results are as follows:

<i>Sample I.D.</i>	<i>Number of Cycles</i>	<i>Pressure PSI</i>	<i>Observation of Tile</i>
1	1	150	No evidence of crazing.

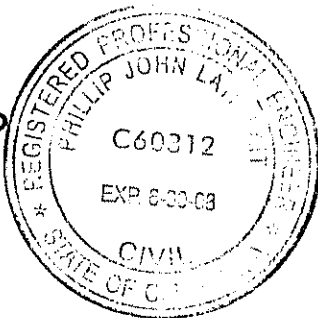
**Requirement :** *Resistance to Crazing - The glaze shall not craze, spall, or crack when subjected to one cycle of autoclaving in the crazing test*

*Note Steam released thirty minutes.*

Respectfully Submitted,  
SMITH-EMERY LABORATORIES

P. John Latiolait  
Registered Civil Engineer No C60312  
Registration Expires: 06-30-08

dp



- Materials tested comply with specifications.
- Materials tested did not comply with specifications.
- No established criteria for acceptable limits.
- For information only.

CC BEDROSIANS: SMITH-EMERY LABORATORIES



Project/Job No.: 37139-1  
Laboratory No.: T-07-114

August 20, 2007

Client : GREG FILLO  
BEDROSIANS  
1515 E. WINSTON ROAD  
ANAHEIM, CA 92805-6445

Subject: (TCR MGT 0766) 6" x 6" Madelyn Lime Green Glass Tile (Field Tile 07)  
Specification : Standard Methods of Sampling and Testing Ceramic Veneer, Section 6.  
Source : Submitted to Smith-Emery Laboratories by Client on August 1, 2007.  
Date Tested: 8/7/07

Report of Tests

CRAZING TEST - ASTM C 126-99 SECTION 16.4

*Procedure*

Five (5) samples were placed in an autoclave using distilled water. The steam pressure was raised to 150 PSI as specified, and retained for 1 hour before turning off the heat source and releasing the steam pressure immediately by opening the blow-off valve. The samples were removed and inspected using an ink solution applied to the glazed surface. Results are as follows:

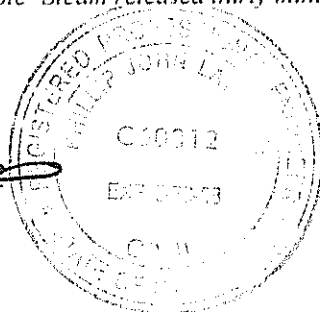
<i>Sample I.D.</i>	<i>Number of Cycles</i>	<i>Pressure PSI</i>	<i>Observation of Tile</i>
I	1	150	No evidence of crazing.

**Requirement :** Resistance to Crazing - The glaze shall not craze, spall, or crack when subjected to one cycle of autoclaving in the crazing test

*Note: Steam released thirty minutes*

Respectfully Submitted,  
SMITH-EMERY LABORATORIES

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