



# SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory, Established 1904

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Proj./Job No.: 31907-1  
Lab. No.: L-08-183

September 23, 2008

Client: **GRANADA TILES**  
1109 W. Kensington Road  
Los Angeles, CA 90026  
Attn: Melanie Stephens

Subject: **8" x 8" x 5/8" Thick Decorative Cement Tile**  
Test Procedure: ASTM C 642-07: Test Method for Density, Absorption, and Voids in Hardened Concrete  
Source: Sample Submitted by the Client to the Laboratory on August 15, 2008  
Date Tested: August 21, 2008

## Report of Test

### Absorption Test

Specimens were oven dried in a temperature of 110°C for not less than 24 hours. Then let it cool in dry air and the mass were determined. Samples were immersed in water at approximately 21°C for not less than 48 hours. Surface-dried the specimen and the surface-dry mass after immersion (B) were determined. It was placed it in a container with water and boiled for 5 hours, allowed to cool by natural loss of heat for not less than 14 hours to the final temperature of 20 to 25°C. The surface moisture was removed with a towel and determined the mass, as soaked, boiled and surface-dried (C). Then the specimen was suspended in water and the mass in water (D) was determined.

Sample Number	Weight of Sample, Gram				Absorption, %	
	(A) Dry	(B) SSD Imrs.	(C) SSD Boiled	(D) In Water	After Immersion	After Imrs & Boiling
1	1253.0	1373.6	1387.2	791.2	9.6	10.7
2	1257.0	1373.0	1384.5	791.5	9.2	10.1
3	1253.3	1371.8	1380.9	787.8	9.5	10.2
4	1242.6	1355.0	1366.3	780.6	9.0	10.0
5	1225.0	1343.6	1358.8	772.2	9.7	10.9
<b>Average</b>					<b>9.4</b>	<b>10.4</b>

Respectfully Submitted,

**SMITH - EMERY LABORATORIES**

V. Andrew Tan  
Registered Civil Engineer No.: C64265  
Registration Expires: 6-30-09  
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- Materials Tested Comply With Specifications.
- Materials Tested Did Not Comply With Specifications.
- No Established Criteria for Acceptable Limits.
- For Information Only