## SMITH-EMERY COMPANY



The Full Service Independent Testing Laboratory, Established 1904

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File No.: 33351 December 18, 1997

Lab No.: T-97-284 (BRK)

Client: CAL-GA-CRETE INDUSTRIES, INC.

803 Miraflores

San Pedro, CA 90731

Attn.: Karl Jakel

Subject: 12" x 12" x 3/4" Thick Concrete Paver Tile (Red Clay color).

Specification: ASTM C 648

Source: Submitted to Laboratory by Client.

## Report of Test

## **BREAKING STRENGTH (ASTM C 648)**

The tile samples were placed on a test fixture having three (3) supports located in a circle three and fifteen-thirty-secondths (3-15/32) inches in diameter with the load applied at the center as per specifications.

Sample Number	Breaking Load (Lbs.)	
1.	1230	
2.	1080	
3.	1120	
4.	760	
5.	980	
6.	1020	
7.	790	
8.	1040	
9.	860	*All tile failure are penetration of the
10.	1000	test plunger only.
	Average : 988	

Requirements: ANSI A 137.1 (For Ceramic) Breaking Strength. When tested as described.

In ASTM C-648, the average breaking strength shall be 250 pounds or greater.

Remarks: Modified test for direct comparison to like application such as ceramic tile.

Respectfully Submitted,

SMITH-EMERY COMPANY

James E. Parker

Registered Civil Engineer No. 41507 Registration Expires : 12-31-99

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