



SMITH-EMERY COMPANY

The Full Service Independent Testing Laboratory, Established 1904

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File No.: 33351
Lab No.: T-97-284 (SKD)

December 18, 1997

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 1028-89
Source: Submitted to Laboratory by Client.

STATIC COEFFICIENT OF FRICTION (ASTM C 1028-89)

A block of wood with a 3" x 3" x 1/8" section of standard neolite sole liner attached, was placed on the surface to be tested; on top of this assembly, a 50 pound (22kg) weight was placed. Using dynamometer, the force in pounds required to cause the test assembly to slip parallel to the test surface was measured. Four measurements were taken on each of three test surfaces, each measurement perpendicular to the previous one. The twelve measurements were averaged to obtain the coefficient of friction for each test condition.

A. As Received:

Test Condition	Tile No.	N	E	S	W	Average	Individual	S.C.O.F
							Coefficient of Friction (fc)	After Neolite Correction Factor
Dry Neolite	1	36	36	34	36	35.58	0.69	(0.70)
	2	36	36	35	35			
	3	35	36	36	36			
Wet Neolite	1	34	35	34	35	34.67	0.68	(0.64)
	2	35	34	35	34			
	3	35	35	35	35			

B After Cleaning with Hillyards Renovator. (ASTM C 1028 Standard Cleaner)

Dry Neolit	1	35	37	36	36	35.92	0.70	(0.71)
	2	36	35	35	36			
	3	36	36	36	37			
Wet Neolite	1	34	35	36	37	35.25	0.69	(0.65)
	2	36	35	35	36			
	3	35	34	35	35			

Respectfully Submitted,
SMITH-EMERY COMPANY

James E. Parker
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Registration Expires: 12-31-99

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