



SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory

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Project/Job No.: 36442-1
Laboratory No.: T-11-114

November 11, 2011

Client : MATTHEW HARRIS
MALIBU CERAMIC WORKS
PO BOX 1406
TOPANGA, CA 90290

Subject: 12" x 12" Villa Santa Barbara Red
Specification: ASTM C 1028-07
Source: Submitted to Smith-Emery Laboratories by Client on October 28, 2011.

STATIC COEFFICIENT OF FRICTION (ASTM C 1028-06)

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
							Static	After
							Coefficient	Noelite
							of Friction	Correction
							(fc)	Factor
Dry Neolite	1	46	46	47	47	46.08	(0.90)	0.89
	2	46	46	45	47			
	3	46	47	45	45			
Wet Neolite	1	42	41	41	42	41.08	(0.80)	0.72
	2	42	41	40	41			
	3	41	41	40	41			

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

Dry Neolite	1	47	46	45	47	46.17	(0.90)	0.89
	2	46	47	47	46			
	3	46	46	45	46			
Wet Neolite	1	43	41	42	43	41.92	(0.82)	0.74
	2	43	42	41	42			
	3	42	41	42	41			

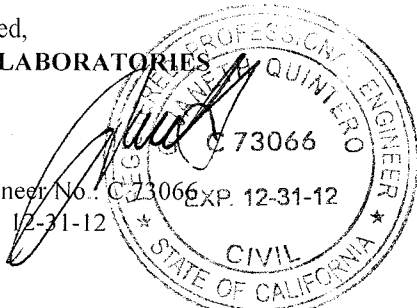
Specification: Department of Justice ADA Title III Regulation 28 CFR Part 36, Section A4.5.1; Recommends minimum of 0.60 SCOF for horizontal surfaces and 0.80 SCOF on ramps

Respectfully Submitted,

SMITH - EMERY LABORATORIES

G. Janeth Quintero
Registered Civil Engineer No.: C 73066
Registration Expires : 12-31-12

mc



- Materials Tested Comply With Specifications.
 - Horizontal; Ramps or Incline
- Materials Tested Did Not Comply With Specifications.
- No Established Criteria for Acceptable Limits.
- For Information Only.

Cc: MALIBU CERAMIC WORKS; SMITH-EMERY LABORATORIES

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