



# SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory, Established 1904

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Project/Job No.: 35562-1  
Laboratory No.: T-07-045

April 13, 2007

Client : GREG FILLO  
**BEDROSIAN'S TILE & MARBLE**  
1515 E. WINSTON ROAD  
ANAHEIM, CA 92805

Subject: 19-3/4" x 19-3/4" x 3/8" Thick Actual Size, TCR MIT50G Green Ceramic Tiles, Made in China  
Specification: ASTM C 1028-96  
Source: Submitted to Smith-Emery Laboratories by Client on March 7, 2007.

### STATIC COEFFICIENT OF FRICTION (ASTM C 1028-96)

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	47	48	48	47	47.42	(0.93)	0.74
	2	47	47	48	47			
	3	48	47	47	48			
Wet Neolite	1	40	41	41	40	41.17	(0.80)	0.74
	2	41	40	41	40			
	3	42	43	43	42			

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

Dry Neolite	1	47	48	47	47	47.33	(0.92)	0.73
	2	47	48	47	47			
	3	47	47	48	48			
Wet Neolite	1	41	40	41	41	41.33	(0.81)	0.75
	2	41	41	40	42			
	3	42	42	43	42			

Respectfully Submitted,  
**SMITH - EMERY LABORATORIES**

V. Andrew Tan  
Registered Civil Engineer No.: C64265  
Registration Expires: 06-30-07  
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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.

- 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: BEDROSIAN'S TILE & MARBLE; SMITH-EMERY LABORATORIES