



SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory, Established 1904

781 E. Washington Boulevard Los Angeles, California 90021 ♦ (213) 749-3411 ♦ Fax (213) 741-8626

Project/Job No.: 35562-1
Laboratory No.: T-07-060

April 24, 2007

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

Subject: **TCR MOU33A - 13" x 13" x 3/8" thick Field Tile Almond Mountain Ceramic Tiles, Made in China**
Specification: **ASTM C 1028-96**
Source: Submitted to Smith-Emery Laboratories by Client on April 9, 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 Noelite Correction Factor
Dry Neolite	1	44	45	45	44	44.17	(0.86)	0.68
	2	43	45	44	45			
	3	45	44	43	43			
Wet Neolite	1	34	34	33	34	34.25	(0.67)	0.62
	2	35	34	34	35			
	3	35	35	34	34			

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

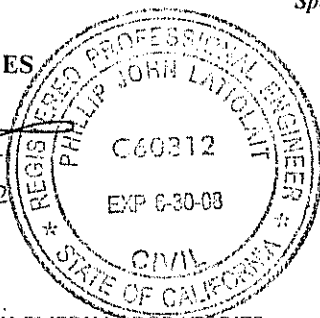
Dry Neolite	1	44	43	44	44	43.75	(0.85)	0.67
	2	43	44	45	43			
	3	44	44	43	44			
Wet Neolite	1	34	33	33	34	33.75	(0.66)	0.61
	2	34	34	33	34			
	3	35	34	34	33			

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

P. John Latiolait
Registered Civil Engineer No. C60312
Registration Expires: 06-30-08

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- 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.

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781 E. Washington Boulevard Los Angeles, California 90021 ♦ (213) 749-3411 ♦ Fax (213) 741-8626

Project No : 35562-1
Lab No : T-07-064

April 23, 2007

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

Subject: **TCR MOU33A - 13" x 13" x 3/8" thick Field Tile Almond Mountain Ceramic Tiles, Made in China**
Specification : ASTM C 373
Source : Submitted to Smith-Emery Laboratories by Client on April 12, 2007.

Report of Test

Water Absorption Test (ASTM C 373)

Samples were dried to a constant weight in an oven at 150 °C, then cooled and weighed. Then were immersed in distilled water (boiling vigorously for 5 hours before cooling gradually to a total elapsed time of 29 hours). Samples were removed from water, wiped dry and immediately reweighed

<i>Sample No.</i>	<i>Dry Wt. (grams)</i>	<i>Wet Wt. (grams)</i>	<i>Percent Water Absorption</i>	<i>Average</i>
1	349.1	350.9	0.53%	
2	354.3	356.3	0.58%	
3	351.6	353.4	0.52%	<u>0.52%</u>
4	344.4	346.0	0.46%	
5	350.4	352.3	0.52%	

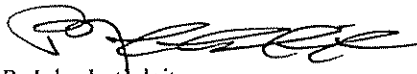
Requirements : ANSI A 137.1 (General) - When tested as described in ASTM C 373, the tile in the sample shall be impervious for porcelain paver tile and shall be impervious, vitreous or semi-vitreous for natural clay paver tile

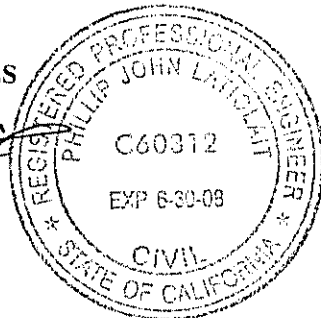
- Impervious Tile (0.5% or less Wtr Abs)
- Vitreous Tile (0.5%-3.0% Wtr Abs)
- Semi-Vitreous Tile (3.0%-7.0% Wtr Abs)
- Unglazed Quarry Tile (Max 5.0% Wtr Abs)

Remarks : Samples tested comply with the Vitreous Tile Requirement.

Respectfully Submitted,

SMITH - EMERY LABORATORIES


P. John Lattolait
Registered Civil Engineer No C60312
Registration Expires: 06-30-08



- Materials Tested Comply With Specifications.
- Materials Tested Did Not Comply With Specifications.
- No Established Criteria For Acceptable Limits.

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