



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 No: 35562-1
Lab No: T-06-201

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 TCR TRA50W Travertino Walnut
Specification: **MOHS Hardness Test (MOHS Scale)**
Source: Submitted to Smith-Emery Laboratories by Client on September 12, 2006
Date Tested: 9/19/06

Report of Tests

SCRATCH HARDNESS OF SURFACE (MOHS SCALE)

A sharp angular mineral starting with hardness one (1) on the MOHS Scale is drawn while applying a uniform pressure across the surface of the tile. The highest hardness number with which no scratches visible to the naked eye occur shall be taken as the result of the test.

AREA	SAMPLE NUMBER	MOHS SCALE	MINERAL EQUIVALENT
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	1	6.5	Microcline / Quartz
	2	6.5	Microcline / Quartz
Top Surface Only	3	6.5	Microcline / Quartz
	4	6.5	Microcline / Quartz
	5	6.5	Microcline / Quartz

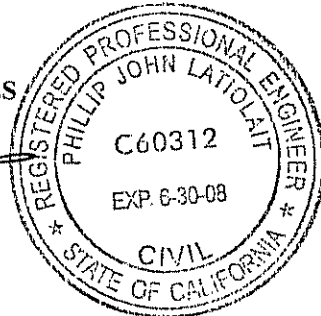
MOHS Table

Mohs #	Mineral	Mohs #	Mineral
1.0	Talc	6.0	Microcline
2.0	Selenite	7.0	Quartz
3.0	Calcite	8.0	Topaz
4.0	Fluorite	9.0	Corundum
5.0	Apatite	10.0	Diamond

Respectfully Submitted,

SMITH - EMERY LABORATORIES


P. John Latiolait
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



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Subject: 19 3/4" x 19 3/4" x 3/8" thick TCR TRA50W Travertino Walnut
Specification: ASTM C 1028-96
Source: Submitted to Smith-Emery Laboratories by Client on September 12, 2006.

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:

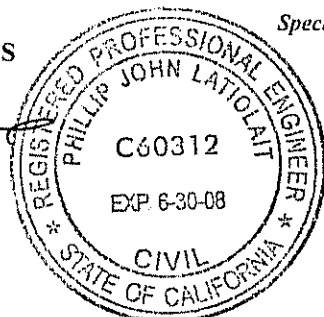
Test Condition	Tile No.	N	E	S	W	Average	Individual	S.C.O.F
							Coefficient of Friction (fc)	After Neolite Correction Factor
Dry Neolite	1	47	46	47	47	46.92	(0.92)	0.73
	2	47	48	46	48			
	3	47	47	46	47			
Wet Neolite	1	26	27	26	26	26.42	(0.52)	0.47
	2	27	26	26	27			
	3	26	27	26	27			

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

Dry Neolite	1	46	47	46	47	46.75	(0.91)	0.72
	2	48	47	47	46			
	3	47	47	46	47			
Wet Neolite	1	27	27	26	26	26.42	(0.52)	0.47
	2	27	26	27	26			
	3	26	27	26	26			

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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.

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