



**SMITH-EMERY LABORATORIES**

An Independent Commercial Testing Laboratory

781 E. Washington Boulevard, Los Angeles, California 90021 ♦ (213) 745-5333 ♦ Fax (213) 741-8621

Project No.: 43208-1  
 Laboratory No.: T-21-030

May 27, 2021

CLIENT: **TILE TECH INC.**  
 RONIE TABIBNIA  
 4730 E. 26th ST  
 VERNON CA 90058

Subject: **12" x 12" x 3/4" Thick Mocha Plank Porcelain Tiles**  
 Specification: **ASTM C 1028-07**  
 Source: Submitted to Smith Emery Laboratories by Client on May 24, 2021.

**STATIC COEFFICIENT OF FRICTION (ASTM C 1028)**

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:**

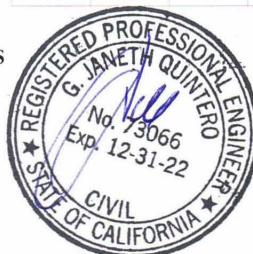
Test Condition	Tile No.	N	E	S	W	Average	Individual Static Coefficient of Friction (fc)	S.C.O.F
								After Neolite Correction Factor
Dry Neolite	1	48	49	48	49	47.75	(0.93)	<b>0.92</b>
	2	47	48	47	48			
	3	48	47	47	47			
Wet Neolite	1	43	43	44	43	42.75	(0.83)	<b>0.74</b>
	2	43	44	42	42			
	3	43	42	42	42			

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

Dry Neolite	1	48	48	47	48	47.25	(0.92)	<b>0.91</b>
	2	46	47	47	47			
	3	48	47	47	47			
Wet Neolite	1	43	42	43	42	41.92	(0.82)	<b>0.73</b>
	2	42	43	42	41			
	3	41	42	41	41			

Respectfully Submitted,  
**SMITH - EMERY LABORATORIES**

G. Janeth Quintero, P.E.  
 Registered Civil Engineer No.: C 73066  
 Registration Expires: 12-31-22  
 dpz  
 CC: SMITH EMERY LABORATORIES; TILE TECH INC.



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



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May 27, 2021

CLIENT: **TILE TECH INC.**  
 RONIE TABIBNIA  
 4730 E. 26th ST  
 VERNON CA 90058

Subject: **12" x 12" x 3/4" Thick Travertine Tan Porcelain Tiles**  
 Specification: **ASTM C 1028-07**  
 Source: Submitted to Smith Emery Laboratories by Client on May 24, 2021.

**STATIC COEFFICIENT OF FRICTION (ASTM C 1028)**

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 Static Coefficient of Friction (fc)	S.C.O.F
								After Neolite Correction Factor
Dry Neolite	1	48	48	47	47	48.33	(0.94)	<b>0.93</b>
	2	50	50	50	50			
	3	48	47	48	47			
Wet Neolite	1	42	42	42	43	44.92	(0.88)	<b>0.79</b>
	2	50	50	50	50			
	3	42	43	42	43			

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

Dry Neolite	1	48	47	48	47	48.33	(0.94)	<b>0.93</b>
	2	50	50	50	50			
	3	48	47	47	48			
Wet Neolite	1	42	41	42	43	44.58	(0.87)	<b>0.78</b>
	2	50	50	50	50			
	3	42	41	42	42			

Respectfully Submitted,  
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May 27, 2021

CLIENT: **TILE TECH INC.**  
 RONIE TABIBNIA  
 4730 E. 26th ST  
 VERNON CA 90058

Subject: **12" x 12" x 3/4" Thick Sea Shell Tan Porcelain Tiles**  
 Specification: **ASTM C 1028-07**  
 Source: Submitted to Smith Emery Laboratories by Client on May 24, 2021.

**STATIC COEFFICIENT OF FRICTION (ASTM C 1028)**

*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 Static Coefficient of Friction (fc)	S.C.O.F
								After Noelite Correction Factor
Dry Neolite	1	48	49	48	48	48.58	(0.95)	<b>0.94</b>
	2	48	49	49	49			
	3	49	49	48	49			
Wet Neolite	1	42	42	42	43	42.33	(0.83)	<b>0.74</b>
	2	42	43	43	42			
	3	42	42	43	42			

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

Dry Neolite	1	47	47	47	48	47.50	(0.93)	<b>0.92</b>
	2	48	48	48	47			
	3	48	48	47	47			
Wet Neolite	1	41	42	41	42	42.42	(0.83)	<b>0.74</b>
	2	43	43	42	43			
	3	43	44	43	42			

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CLIENT: **TILE TECH INC.**  
 RONIE TABIBNIA  
 4730 E. 26th ST  
 VERNON CA 90058

Subject: **12" x 12" x 3/4" Thick Rustic Oak Porcelain Tiles**

Specification: **ASTM C 1028-07**

Source: Submitted to Smith Emery Laboratories by Client on May 24, 2021.

**STATIC COEFFICIENT OF FRICTION (ASTM C 1028)**

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	50	50	50	50	50.00	(0.98)	<b>0.97</b>
	2	50	50	50	50			
	3	50	50	50	50			
Wet Neolite	1	44	44	45	44	45.25	(0.88)	<b>0.79</b>
	2	46	47	46	46			
	3	45	45	45	46			

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

Dry Neolite	1	48	49	48	50	49.33	(0.96)	<b>0.95</b>
	2	50	50	50	50			
	3	49	49	49	50			
Wet Neolite	1	44	45	44	44	44.92	(0.88)	<b>0.79</b>
	2	46	46	47	46			
	3	44	44	45	44			

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CLIENT: **TILE TECH INC.**  
 RONIE TABIBNIA  
 4730 E. 26th ST  
 VERNON CA 90058

Subject: **12" x 12" x 3/4" Thick Graystone Porcelain Tiles**

Specification: **ASTM C 1028-07**

Source: Submitted to Smith Emery Laboratories by Client on May 24, 2021.

**STATIC COEFFICIENT OF FRICTION (ASTM C 1028)**

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	50	50	50	50	50.00	(0.98)	<b>0.97</b>
	2	50	50	50	50			
	3	50	50	50	50			
Wet Neolite	1	46	45	46	45	45.50	(0.89)	<b>0.80</b>
	2	46	45	45	46			
	3	45	46	45	46			

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

Dry Neolite	1	50	50	50	50	50.00	(0.98)	<b>0.97</b>
	2	50	50	50	50			
	3	50	50	50	50			
Wet Neolite	1	45	46	46	45	45.42	(0.89)	<b>0.80</b>
	2	46	45	45	46			
	3	45	46	45	45			

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CLIENT: **TILE TECH INC.**  
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 4730 E. 26th ST  
 VERNON CA 90058

Subject: **12" x 12" x 3/4" Thick Black Stone Porcelain Tiles**  
 Specification: **ASTM C 1028-07**  
 Source: Submitted to Smith Emery Laboratories by Client on May 24, 2021.

**STATIC COEFFICIENT OF FRICTION (ASTM C 1028)**

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 Static Coefficient of Friction (fc)	S.C.O.F
								After Noelite Correction Factor
Dry Neolite	1	47	46	47	46	46.42	(0.91)	<b>0.90</b>
	2	46	46	47	46			
	3	47	46	46	47			
Wet Neolite	1	42	43	43	42	42.25	(0.82)	<b>0.73</b>
	2	42	42	43	42			
	3	43	41	42	42			

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

Dry Neolite	1	47	47	46	47	46.67	(0.91)	<b>0.90</b>
	2	46	47	46	47			
	3	47	47	47	46			
Wet Neolite	1	42	42	42	43	42.08	(0.82)	<b>0.73</b>
	2	43	41	42	42			
	3	43	42	42	41			

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