



SMITH-EMERY LABORATORIES

An Independent Commercial Testing Laboratory

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Proj. No.: 31907-1
Lab No.: T-16-125

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Client : MELANIE STEPHENS
GRANADA TILES
1109 W. KENSINGTON ROAD
LOS ANGELES, CA 90026

Subject: **8-in. x 8-in. Sensational Cement Tile "WHITE"**
Specification: ANSI A137.1 DCOF
Source: Submitted to Smith-Emery Laboratories by Client.

DYNAMIC COEFFICIENT OF FRICTION (ANSI A137.1 DCOF) LABORATORY TESTING

BOT-3000E manufactured by Regan Scientific Instruments was used for Dynamic Coefficient and Friction Test . The samples were cleaned with mild detergent and distilled water then were dried with an untreated paper towel. The three specimens were placed in a row with the tested tile placed in the middle; the travel distance of 10-in was wetted with a 0.05% SLS water. A total of 5 (five) measurements were made at 0° - 180°- 90° - 180° clockwise . The five measurements were recorded and averaged. The same procedure was followed for the two remaining samples.

TEST No.					Total Average DCOF	Standard Deviation	*Coefficient of Variation	
1	2	3	4	5				
N (0°) 	0.71	0.74	0.71	0.67	0.72	0.73	0.031	0.043
	0.73	0.74	0.71	0.72	0.73			
	0.72	0.72	0.71	0.73	0.70			
S (180°) 	0.75	0.78	0.75	0.65	0.71			
	0.75	0.78	0.76	0.70	0.69			
	0.73	0.73	0.72	0.69	0.73			
W (90°) 	0.72	0.77	0.77	0.75	0.76			
	0.74	0.73	0.73	0.72	0.69			
	0.70	0.70	0.70	0.72	0.69			
E (180°) 	0.75	0.79	0.71	0.77	0.75			
	0.77	0.74	0.69	0.77	0.65			
	0.72	0.71	0.67	0.72	0.74			

Interpretations per ANSI B101.3 : for *COV less than 0.10 : If DCOF is greater than 0.45 for inclines surfaces and 0.42 for level surfaces there is a lower probability of slipping. If DCOF is between 0.30-0.45 for inclines surfaces and 0.30-0.42 for level surfaces there is an increased probability of slipping. If DCOF is less than 0.30 for both inclines and level surfaces there is Higher probability of slipping.

Respectfully Submitted,
SMITH - EMERY LABORATORIES

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Registration Expires: 12-31-16



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

CC: SMITH-EMERY LABORATORIES; GRANADA TILES