



April 15, 2009

Revised Report:03-10-14

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Subject: **Revised Report for Coefficient of Friction Testing**
TEC Project No.: TEC 07-0611
Sample ID: 09-188

Dear Ms. Mincey:

Testing, Engineering, and Consulting Services, Inc. (TEC Services) is pleased to present this report on the Linen Granite and Aurora Granite tile samples delivered to our laboratory. TEC Services tested the samples in accordance with ASTM C1028-07 *Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other like Surfaces by the Horizontal Dynamometer Pull-meter Method*. This report was revised to correct a typo for the date of the test method used when the testing. ASTM C1028-96 was changed to ASTM C1028-07. This test method covers the measurements of static coefficient of friction of ceramic tile or other surfaces under both wet and dry conditions while utilizing Neolith heel assemblies.

The samples consisted of a 6" X 6" tile with a matte finish. The samples was tested as-received in the dry and wet conditions in accordance to ASTM C 1028-96. The sample was then cleaned with Hillyard's Renovator solution then tested again in the dry and wet conditions. The testing was performed on three random areas large enough to accommodate the testing surface. The results of the testing for the Linen Granite samples are reported in Table 1 and the results for the Aurora Granite sample are reported in Table 2.

Table 1 - #895 Linen Granite (Matte Finish) Test Results

Sample ID	Static Coefficient of Friction	
	As-Received Dry	Cleaned Dry
#895 Linen Granite (Matte Finish) 09-188-1	0.80	0.75
	0.85	0.61
	0.83	0.71
Average	0.83	0.69
#895 Linen Granite (Matte Finish) 09-188-1	As-Received Wet	Cleaned Wet
	0.74	0.70
#895 Linen Granite (Matte Finish) 09-188-1	0.76	0.76
	0.80	0.73
Average	0.76	0.73

Table 2 - #800 Aurora Granite (Matte Finish) Test Results

Sample ID	Static Coefficient of Friction	
	As-Received Dry	Cleaned Dry
#800 Aurora Granite (Matte Finish) 09-188-2	0.84	0.65
	0.87	0.65
	0.91	0.64
Average	0.87	0.65
#800 Aurora Granite (Matte Finish) 09-188-2	As-Received Wet	Cleaned Wet
	0.69	0.68
#800 Aurora Granite (Matte Finish) 09-188-2	0.78	0.70
	0.77	0.69
Average	0.75	0.69

Testing, Engineering and Consulting Services, Inc. appreciates the opportunity to provide our professional services for this important project. If you have any questions regarding this report, or if we can be of further assistance please contact us at 770-995-8000.

Sincerely,

Testing, Engineering & Consulting Services, Inc.




Project Name: *Mincey Marble – ASTM C 1028 Coefficient of Friction*

April 15, 2009

Project Number: *TEC 07-0611*

Lab ID Number: *09-188*

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