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**TECHNICAL REPORT**  
 FILE: 12169  
 DATE: 06-Jan-09

Attention: Mr. Maury Mason

Project: **Static Slip Test of "Tile"**

Subject: **Static Coefficient of Friction (CoF) of Tile Specimens (ASTM C1028-07)**

BLACK VOLCANIC FLAT	LOAD1 (kg)	LOAD2 * (kg)	STATIC CoF DRY	LOAD1 (kg)	LOAD2 * (kg)	STATIC CoF WET
1	14.1	15.9	0.95	12.2	11.9	0.66
2	16.6	16.5	1.03	12.1	12.7	0.68
3	14.1	14.5	0.92	12.4	11.2	0.65
4	14.5	15.3	0.95	11.3	12.4	0.65
<b>AVERAGE</b>	<b>14.8</b>	<b>15.6</b>	<b>0.96</b>	<b>12.0</b>	<b>12.1</b>	<b>0.66</b>

RECLAIMED TERRA-COTTA	LOAD1 (kg)	LOAD2 * (kg)	STATIC CoF DRY	LOAD1 (kg)	LOAD2 * (kg)	STATIC CoF WET
1	17.5	16.6	1.05	14.9	13.8	0.77
2	15.3	16.7	1.00	15.7	14.2	0.79
3	16.5	16.5	1.02	15.0	14.2	0.78
4	15.4	17.9	1.03	15.2	12.7	0.75
<b>AVERAGE</b>	<b>16.2</b>	<b>16.9</b>	<b>1.03</b>	<b>15.2</b>	<b>13.7</b>	<b>0.77</b>

BEACH STONE	LOAD1 (kg)	LOAD2 * (kg)	STATIC CoF DRY	LOAD1 (kg)	LOAD2 * (kg)	STATIC CoF WET
1	13.2	12.8	0.86	12.5	11.4	0.66
2	13.5	12.8	0.87	9.7	12.2	0.61
3	14.9	12.5	0.90	10.7	11.7	0.62
4	14.0	12.5	0.88	10.6	11.4	0.62
<b>AVERAGE</b>	<b>13.9</b>	<b>12.7</b>	<b>0.88</b>	<b>10.9</b>	<b>11.7</b>	<b>0.63</b>

CUT-STONE FLAT	LOAD1 (kg)	LOAD2 * (kg)	STATIC CoF DRY	LOAD1 (kg)	LOAD2 * (kg)	STATIC CoF WET
1	14.4	13.0	0.90	10.5	9.4	0.57
2	13.7	13.2	0.88	9.7	10.4	0.57
3	13.2	12.9	0.87	9.2	10.8	0.57
4	14.5	13.1	0.90	9.3	10.3	0.56
<b>AVERAGE</b>	<b>14.0</b>	<b>13.1</b>	<b>0.89</b>	<b>9.7</b>	<b>10.2</b>	<b>0.57</b>

\* direction of load perpendicular to LOAD1

TEST RESULTS OF CALIBRATION TILE						
CALIBRATION	DRY (kg)	DRY (kg)	DRY CAL. FACTOR	WET (kg)	WET (kg)	WET CAL. FACTOR
1	14.0	12.7	Xd	9.5	8.2	Xw
2	12.3	13.1		8.7	8.7	
3	13.0	13.0		8.5	8.5	
4	12.3	12.9		9.1	8.3	
<b>AVERAGE</b>	<b>12.9</b>	<b>12.9</b>	<b>0.2731</b>	<b>9.0</b>	<b>8.4</b>	<b>0.1151</b>

\*\* Xd & Xw used in the calculation of Static CoF Dry and Static CoF Wet, respectively.

\*\*\* As per Tile Council of North America (TCNA) letter dated July 16, 2008, dry & wet factors updated to 0.86 & 0.51 respectively

Test Date: January 5, 2009

Per:   
 Glen Pederson, ASCT

Reporting of these test results constitutes a testing service only.  
 Engineering interpretation or evaluation of the test results is provided only on written request.