



# PRODUCT TESTING SERVICE

100 Clemson Research Blvd. • Anderson, SC 29625 • Tel (864) 646-TILE Fax (864) 646-2821

TCNA TEST REPORT NUMBER: TCNA-104-12

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**TEST SUBJECT MATERIAL:** Identified by client as: Non Abrasive Antislip Glass Mosaic Tiles

**TEST DATE:** 3/14/12


**TEST PROCEDURE:** ASTM C1028: "Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method"  
-A Chatillon DFIS 100 digital force gauge was used to measure each pull in pounds-force.  
-A 3 x 3 x 1/8-inch piece of Neolite was used as the sensor.

**TEST RESULTS:** The average static coefficient of friction of four (4) pulls on each tile was as follows:

	As Received	After Cleaning
<u>Tile 1</u>		
Dry	<b>0.84</b>	<b>0.83</b>
Wet	<b>0.66</b>	<b>0.66</b>
<u>Tile 2</u>		
Dry	<b>0.83</b>	<b>0.81</b>
Wet	<b>0.66</b>	<b>0.65</b>
<u>Tile 3</u>		
Dry	<b>0.83</b>	<b>0.83</b>
Wet	<b>0.67</b>	<b>0.66</b>

The average static coefficient of friction of twelve (12) pulls was as follows:

	As Received	After Cleaning
Dry	<b>0.83</b>	<b>0.82</b>
Wet	<b>0.66</b>	<b>0.66</b>

  
Katelyn Simpson  
Laboratory Manager

3/16/12  
Date



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**TEST SUBJECT MATERIAL:** Identified by client as: Non Abrasive Antislip Glass Mosaic Tiles

**TEST DATE:** 3/15/2012

**TEST PROCEDURE:** BOT 3000 "Dynamic Coefficient of Friction (DCOF)"  
-Three (3) pieces of tile were tested in all four directions.  
-The SBR sensor was verified using a standard tile prior to testing.  
-Testing was done in the wet condition using 0.05% SLS water.  
-Testing was conducted in a laboratory at approximately 70 °F and 50% relative humidity using a calibrated BOT 3000 device.

**TEST RESULTS:** The individual and average DCOF data for each tile was as follows:

Tile 1		Tile 3	
Direction 1	0.60	Direction 1	0.61
Direction 2	0.58	Direction 2	0.61
Direction 3	0.56	Direction 3	0.62
Direction 4	0.59	Direction 4	0.63
<b>Average</b>	<b>0.58</b>	<b>Average</b>	<b>0.62</b>
Tile 2			
Direction 1	0.62		
Direction 2	0.63		
Direction 3	0.59		
Direction 4	0.60		
<b>Average</b>	<b>0.59</b>		

  
Katelyn Simpson  
Laboratory Manager

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