



PRODUCT TESTING SERVICE

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

TCNA TEST REPORT NUMBER: TCNA-150-06 **PAGE:** 1 OF 1

TEST REQUESTED BY: NBRC
Attn: Jim Frederic

TEST SUBJECT MATERIAL: Identified by client as: Whitacre-Greer (4x8x2¼ Textured)#30-#36-#42

TEST DATE: 6/14/06-6/15/06

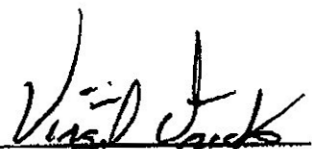
TEST PROCEDURE: ASTM C1028: "Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method"
-A Chatillon DFIS 100 digital force gauge was used to measure each pull in pounds-force.
-A 3 x 3 x 1/8 inch piece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

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

	<u>As Received</u>	<u>After Cleaning</u>
Tile 1: <u>Dry:</u>	<u>1.06</u>	<u>1.06</u>
<u>Wet:</u>	<u>0.97</u>	<u>1.00</u>
Tile 2: <u>Dry:</u>	<u>1.24</u>	<u>1.07</u>
<u>Wet:</u>	<u>0.98</u>	<u>1.01</u>
Tile 3: <u>Dry:</u>	<u>1.09</u>	<u>1.04</u>
<u>Wet:</u>	<u>0.97</u>	<u>0.97</u>

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

<u>Dry:</u>	<u>1.13</u>	<u>1.06</u>
<u>Wet:</u>	<u>0.97</u>	<u>1.00</u>


Virgil Irick
Director of Laboratory Services

6/15/06
Date



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TCNA TEST REPORT NUMBER: TCNA-150-06 **PAGE:** 1 OF 1

TEST REQUESTED BY: NBRC
Attn: Jim Frederic

TEST SUBJECT MATERIAL: Identified by client as: Whitacre-Greer (4x8x2 1/4 Smooth) #43-#50-#52

TEST DATE: 6/7/06-6/8/06

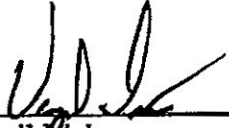
TEST PROCEDURE: ASTM C1028-96: "Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method"
-A Chatillon DFIS 100 digital force gauge was used to measure each pull in pounds-force.
-A 3 x 3 x 1/8 inch piece of Neolite was used as the sensor.
-Internal calibration used in lieu of dry calibration factor.

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

	<u>As Received</u>	<u>After Cleaning</u>
Tile 1: <u>Dry:</u>	<u>0.97</u>	<u>1.00</u>
<u>Wet:</u>	<u>0.85</u>	<u>0.87</u>
Tile 2: <u>Dry:</u>	<u>0.93</u>	<u>1.00</u>
<u>Wet:</u>	<u>0.84</u>	<u>0.84</u>
Tile 3: <u>Dry:</u>	<u>0.95</u>	<u>0.95</u>
<u>Wet:</u>	<u>0.83</u>	<u>0.82</u>

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

<u>Dry:</u>	<u>0.95</u>	<u>0.98</u>
<u>Wet:</u>	<u>0.84</u>	<u>0.84</u>



Virgil Rick
Director of Laboratory Services

6/15/06
Date

Whitacre Greer Skid Test Report

Smooth Brick

Skid Resistance Values

Paver No.	32	34	43	50	52
Direction A					
	62	65	60	60	60
	62	62	58	60	60
	62	65	60	58	58
	62	65	60	57	62
	60	62	58	60	62
Average	62	64	59	59	60
Direction B					
	64	63	58	60	62
	61	62	57	62	62
	60	63	61	61	60
	60	63	61	60	60
	60	62	60	61	60
Average	61	63	59	61	61
Overall Average	62	64	59	60	61

Textured Brick

Skid Resistance Values

Paver No.	30	36	42	44	54
Direction A					
	65	70	65	69	65
	62	69	65	68	65
	67	69	64	67	65
	67	67	66	66	63
	60	67	65	67	63
Average	64	68	65	67	64
Direction B					
	64	70	63	69	65
	67	68	62	67	65
	68	68	62	68	65
	67	69	64	69	65
	67	69	60	68	64
Average	67	69	62	68	65
Overall Average	66	69	64	68	65