

# 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 (4x8x21/4 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:

	As Received	After Cleaning
Tile 1: Dry:	1.06	1.06
Wet:	<u>0.97</u>	1.00
Tile 2: Dry:	1.24	1.07
Wet:	<u>0.98</u>	<u>1.01</u>
Tile 3: Dry:	<u>1. 09</u>	1.04
Wet	0.97	0.97

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

Dry:

1.13

1.06

Wet:

0.97

1.00

Virgil Irick

Director of Laboratory Services

Testing Services: testing@tileusa.com Liter

Literature Orders: literature@fileusa.com Web Site: www.fileusa.com



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PAGE: 1 OF I

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:

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

Virgil Kick

Director of Laboratory Services

Testing Services: testing@tileusa.com

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Web Site: www.tileusa.com

## The National Brick Research Center 100 Clemson Research Blvd. Anderson, SC 29625 (864)656-1094 www.brickandtile.org

## Whitacre Greer Skid Test Report

#### **Smooth Brick**

#### **Skid Resistance Values**

Paver No.	32	34	43	50	52
		J	Direction /	١	
	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 I	•	
			Jii ecuvii i	·	
	64	63	58	60	62
*	6 <del>4</del> 61				62 62
, -		63	58	60	
, <u> </u>	61	63 62	58 57	60 62	62
, <u>-</u>	61 60	63 62 63	58 57 61	60 62 61	62 60
Average	61 60 60	63 62 63 63	58 57 61 61	60 62 61 60	62 60 60
Average	61 60 60 60	63 62 63 63 62	58 57 61 61 60	60 62 61 60 61	62 60 60 60
Average Overall Average	61 60 60 60	63 62 63 63 62	58 57 61 61 60	60 62 61 60 61	62 60 60 60

### **Textured Brick**

## **Skid Resistance Values**

Paver No.	30	36	42	44	54
			Direction /	<b>\</b>	
	65	70	65	69	65
141	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 E	}	
,	64	70	Direction I	<b>6</b> 9	65
-	64 67				65 65
		70	63	69	
	67	70 68	63 62	69 67	65
_	67 68	70 68 68	63 62 62	69 67 68	65 65
 Average	67 68 67	70 68 68 69	63 62 62 64	69 67 68 69	65 65 65
 Average	67 68 67 67	70 68 68 69 69	63 62 62 64 60	69 67 68 69 68	65 65 65 64