



Slip Resistance on Ceramic Tile - Coated With Glass Fusion™

TCA TEST REPORT NUMBER: TCA-145-04

TEST SUBJECT MATERIAL: **Identified by client as Coated**

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 pound-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:	0.94	0.94
Wet:	1.30	1.33
Tile 2: Dry:	1.04	1.02
Wet:	1.35	1.25
Tile 3: Dry:	1.00	1.04
Wet:	1.29	1.29

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

	AS RECEIVED	AFTER CLEANING
Dry:	0.99	1.00
Wet:	1.31	1.29



Slip Resistance on Ceramic Tile - Uncoated With Glass Fusion™

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 pound-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:	0.84	0.73
Wet:	0.44	0.43
Tile 2: Dry:	0.87	0.80
Wet:	0.40	0.39
Tile 3: Dry:	0.80	0.76
Wet:	0.41	0.39

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

	AS RECEIVED	AFTER CLEANING
Dry:	0.84	0.76
Wet:	0.42	0.40

Test Result Summary

Test results compare slip resistance. Glass Fusion is 15% less slippery than the dry ceramic tile tested and 65% less slippery than the wet ceramic tile tested.