

TCNA TEST REPORT NUMBER: TCNA-0491-17 **PAGE:** 1 OF 3

TEST REQUESTED BY: MS International, Inc.

TEST METHOD: ANSI A137.1-2012 Section 9.6.2: “Dry Dynamic Coefficient of Friction (DCOF)”

Informal Test Method Description: This test method covers the measurement of dynamic coefficient of friction of ceramic tile or other surfaces under the dry condition using the BOT 3000 device.

This summary is provided for the reader’s convenience and is not a complete description of the method. See ANSI A137.1 Section 9.6.2 for all method details and information.

TEST SUBJECT MATERIAL: Identified by client as: “**Kenzzi Collection (EGI)**”
Approximate Size as Received: 8" x 8"

TEST DATE: 6/1/2017

TEST PROCEDURE NOTES:

- Sample Prep: None
- The tiles were cleaned with Renovator #120 prior to testing.
- Three (3) pieces of tile were tested in all four directions with 8" long measurements.
- The SBR sensor was verified using a standard tile prior to testing. The DCOF measurement on the standard tile was 0.30, within the required range.
- Testing was performed under dry conditions
- Testing was conducted under laboratory conditions at approximately 70°F and 50% relative humidity using a calibrated BOT 3000 device (calibration due: 10/3/2017).
- After testing the SBR sensor was verified again according to the procedure. The DCOF measurement on the standard tile after testing was 0.31, within the required range.

TEST RESULTS:

The individual and average DCOF data for each tile were as follows:

| Direction | Tile 1 | Tile 2 | Tile 3 |
|----------------|--------|--------|--------|
| Direction 1 | 0.44 | 0.44 | 0.47 |
| Direction 2 | 0.44 | 0.45 | 0.48 |
| Direction 3 | 0.43 | 0.46 | 0.43 |
| Direction 4 | 0.44 | 0.45 | 0.44 |
| Average | 0.44 | 0.45 | 0.46 |

COMMENTS: None

