

CLIENT: The Onyx Collection, Inc.
202 Anderson Ave / PO Box 37
Belvue, Kansas 66407

Test Report No: TJ4453	Date: April 27, 2017
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SAMPLE ID: Sample identified as: **Shower Pan Sample**

SAMPLING DETAIL: Test samples were submitted to the laboratory directly by the client. No special sampling conditions or sample preparation were observed by QAI.

DATE OF RECEIPT: Samples were received at QAI on April 14, 2017.

TESTING PERIOD: April 25 – April 27, 2017

AUTHORIZATION: Signed QAI Proposal No: 17SP011704 by John McCarthy on January 18, 2017.

TEST PROCEDURE: ANSI A137.1 section 9.6 Procedure for Dynamic Coefficient of Friction (DCOF) Testing.

TEST RESULTS: Detailed test results are presented in the subsequent pages of this report.

Prepared By


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Material Test Technician

**Signed for and on behalf of
QAI Laboratories, Inc.**


C. Ryan Worch
Project Manager/Field Inspector

ANSI A137.1 section 9.6 Procedure for Dynamic Coefficient of Friction (DCOF) Testing.

Procedures Wet Dynamic Coefficient of Friction: Sensor verification performed prior to testing using the standard tile. The standard tile is cleaned using Renovator #120, rinsed, and allowed to dry. Three standard tiles are butted together then wet the path the sensor will follow with 0.05% SLS Water (Sodium-Lauryl Sulfate). Perform one dynamic measurement on the center tile and record. The value for Wet DCOF shall be between 0.28 and 0.31. Verification being met, resurface sensor start test. All test specimens are cleaned in same manner as standard tile. Specimens are butted together; wet the path sensor will follow with 0.05% SLS Water. A total of four dynamic measurements are made on each tile. Run first measurement then rotate tile 180°, run second then rotate tile 90°, run third then rotate tile 180°, and run fourth. Record all four dynamic measurements then take average. Repeat procedure on two remaining specimens of tile resurfacing sensor before each tile. After testing all tiles resurface sensor then recheck and record sensor verification same as performed above. See results below and Table 1, and photo of specimen on last page.

Wet Dynamic Coefficient of Friction Results:

Type of Tile: **Shower Pan Sample**

Temperature: 72°F

Humidity: 50%

Calibration Date: 1/21/2017

Sensor Material: Rubber

SLS Water Concentration: 0.05%

DCOF of Standard Tile Prior to Test: 0.30

DCOF of Standard Tile After Test: 0.30

Verification: 1/24/2017, 1:30PM PASS

Table 1

Tile	1	2	3
Wet DCOF 01	0.18	0.16	0.17
Wet DCOF 02	0.19	0.17	0.19
Wet DCOF 03	0.15	0.17	0.18
Wet DCOF 04	0.17	0.15	0.16
Average	0.17	0.16	0.18

Photo



***** END OF TEST REPORT *****

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