



TCNA TEST REPORT NUMBER: TCNA-0542-19 **PAGE:** 1 OF 4

TEST REQUESTED BY: ARTO BRICK

TEST METHOD: ANSI A326.3-2017: “American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials”

Informal Test Method Description: This standard describes the test method for measuring dynamic coefficient of friction (DCOF) of hard surface flooring materials under the wet condition using the BOT 3000E device.

This summary is provided for the reader’s convenience and is not a complete description of the method. See ANSI A326.3 for all method details and information.

TEST SUBJECT MATERIAL: Identified by client as: “12x12 ARTAZZO-GRIND 100-Insensifa”
 Approximate Size as Received: 12 x12
 Product Color: Rice

TEST DATE: 6/13/2019

TEST PROCEDURE NOTES:

- Sample Prep: None
- The tiles were cleaned with Bona Stone, Tile and Laminate Floor Cleaner prior to testing.
- Three (3) specimens were tested in all four directions with 10 long measurements.
- The SBR sensor was verified using a standard tile prior to testing.
- Testing was performed under wet conditions using 0.05% SLS water
- Testing was conducted under laboratory conditions at approximately 70°F and 50% relative humidity using a calibrated BOT 3000E device (calibration due: 8/22/2019).
- After testing, the SBR sensor was verified again according to the procedure.

TEST RESULTS:

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

Direction	Specimen 1	Specimen 2	Specimen 3
Direction 1	0.54	0.49	0.53
Direction 2	0.53	0.49	0.53
Direction 3	0.57	0.50	0.56
Direction 4	0.58	0.48	0.57
Average	0.56	0.49	0.55

COMMENTS: None

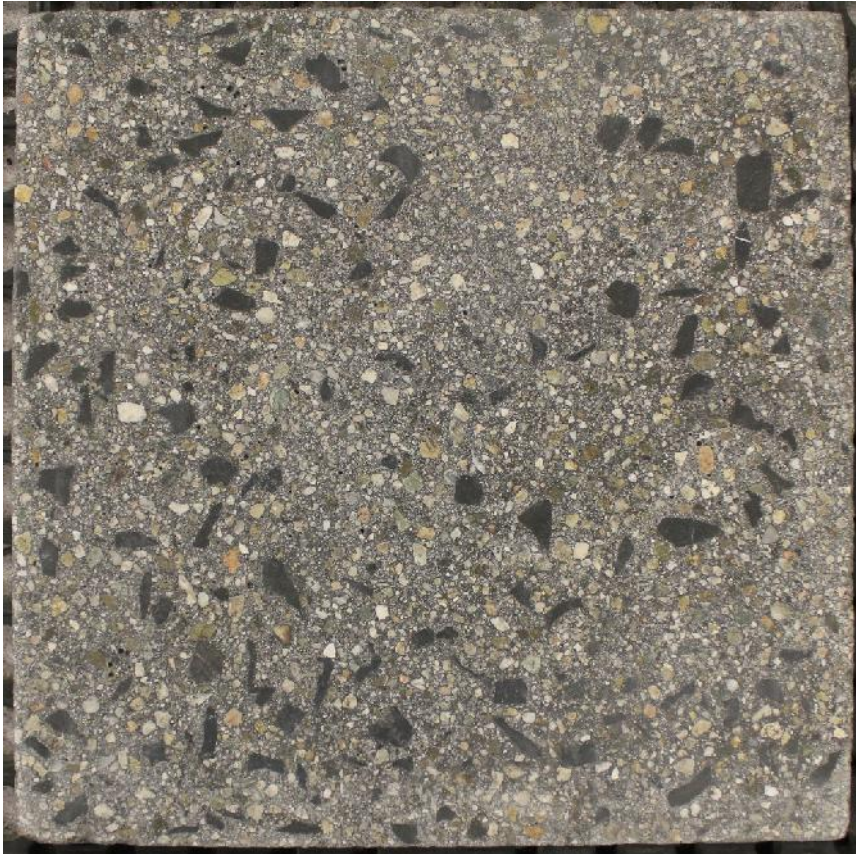
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IMAGE OF PRODUCT TESTED:





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TEST SUBJECT MATERIAL: Identified by client as: “12x12 ARTAZZO-GRIND 100-Insensifa”

TEST METHOD: **ANSI A326.3-2017: “American National Standard Test Method for Measuring Dynamic Coefficient of Friction of Hard Surface Flooring Materials”**

ANSI SPECIFICATIONS:

According to the ANSI A326.3, "Unless otherwise specified, hard surface flooring materials suitable for level interior spaces expected to be walked upon when wet with water shall have a wet DCOF of 0.42 or greater when tested using SBR sensor material and SLS solution as per this standard. However, hard surface flooring materials with a DCOF of 0.42 or greater are not necessarily suitable for all projects. The specifier shall determine materials appropriate for specific project conditions, considering by way of example, but not in limitation, type of use, traffic, expected contaminants, expected maintenance, expected wear, and manufacturers' guidelines and recommendations."

This paragraph is excerpted from Section 3.1 of the standard. For the complete section, including necessary information for specifiers, this section can be viewed and downloaded at no cost at http://www.tcnatile.com/images/pdfs/ANSI_A326.3_1-18.pdf

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Katelyn Simpson
Laboratory Manager

Damon L. McDowell
Laboratory Team Leader

6/17/2019



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Informal Test Method Description: This standard describes the test method for measuring dynamic coefficient of friction (DCOF) of hard surface flooring materials under the wet condition using the BOT 3000E device.

This summary is provided for the reader’s convenience and is not a complete description of the method. See ANSI A326.3 for all method details and information.

TEST SUBJECT MATERIAL: Identified by client as: “12x12 ARTAZZO-GRIND-Master Seal”
 Approximate Size as Received: 12 x12
 Product Color: Rice

TEST DATE: 6/12/2019

TEST PROCEDURE NOTES:

- Sample Prep: None
- The tiles were cleaned with Bona Stone, Tile and Laminate Floor Cleaner prior to testing.
- Three (3) specimens were tested in all four directions with 10 long measurements.
- The SBR sensor was verified using a standard tile prior to testing.
- Testing was performed under wet conditions using 0.05% SLS water
- Testing was conducted under laboratory conditions at approximately 70°F and 50% relative humidity using a calibrated BOT 3000E device (calibration due: 8/22/2019).
- After testing, the SBR sensor was verified again according to the procedure.

TEST RESULTS:

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

Direction	Specimen 1	Specimen 2	Specimen 3
Direction 1	0.58	0.60	0.60
Direction 2	0.58	0.63	0.65
Direction 3	0.60	0.69	0.71
Direction 4	0.62	0.67	0.72
Average	0.60	0.65	0.67

COMMENTS: None

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IMAGE OF PRODUCT TESTED:





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TEST REQUESTED BY: ARTO BRICK

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TEST SUBJECT MATERIAL: Identified by client as: “12x12 ARTAZZO GRIND-No Sealer”
 Approximate Size as Received: 12 x12
 Product Color: Rice

TEST DATE: 6/13/2019

TEST PROCEDURE NOTES:

- Sample Prep: None
- The tiles were cleaned with Bona Stone, Tile and Laminate Floor Cleaner prior to testing.
- Three (3) specimens were tested in all four directions with 10 long measurements.
- The SBR sensor was verified using a standard tile prior to testing.
- Testing was performed under wet conditions using 0.05% SLS water
- Testing was conducted under laboratory conditions at approximately 70°F and 50% relative humidity using a calibrated BOT 3000E device (calibration due: 8/22/2019).
- After testing, the SBR sensor was verified again according to the procedure.

TEST RESULTS:

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

Direction	Specimen 1	Specimen 2	Specimen 3
Direction 1	0.69	0.72	0.73
Direction 2	0.76	0.75	0.76
Direction 3	0.81	0.80	0.78
Direction 4	0.80	0.78	0.82
Average	0.77	0.76	0.77

COMMENTS: None

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