



PRODUCT TESTING SERVICE

100 Clemson Research Blvd. □ Anderson, SC 29625 □ Tel (864) 646-TILE □ Fax (864) 646-2821

January 14, 2014

ARTO
Attn: Armen Alajian
15209 So Broadway
Gardena, CA 90248

Dear Mr. Alajian,

Tile Council of North America has tested the samples you submitted. Test report TCNA-830-13 is enclosed. If you have any questions or concerns, please contact us.

Best Regards,

TILE COUNCIL OF NORTH AMERICA, INC.

Katelyn Simpson
Laboratory Manager
Enclosures



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TCNA TEST REPORT NUMBER: TCNA-830-13 PAGE: 1 OF 1

TEST REQUESTED BY: ARTO
Attn: Armen Alajian
15209 So Broadway
Gardena, CA 90248

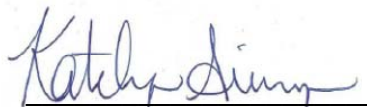
TEST SUBJECT MATERIAL: Identified by client as: "Monrovia Glazed with Grit"

TEST DATE: 1/8/2014

TEST PROCEDURE: **ANSI A137.1 Section 9.6.1 "Wet Dynamic Coefficient of Friction (DCOF)"**
-Three (3) pieces of tile were tested in all four directions.
-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 3000 device.

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

Direction	Tile 1	Tile 2	Tile 3
Direction 1	0.74	0.70	0.69
Direction 2	0.75	0.69	0.74
Direction 3	0.75	0.68	0.70
Direction 4	0.74	0.69	0.73
Average	0.75	0.69	0.72


Katelyn Simpson
Laboratory Manager

1/14/2014

Testing Services: testing@tileusa.com □ Literature Orders: literature@tileusa.com □ Web Site: www.tileusa.com

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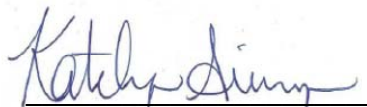
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TEST RESULTS: The individual and average DCOF data for each tile were as follows:

Direction	Tile 1	Tile 2	Tile 3
Direction 1	0.67	0.67	0.66
Direction 2	0.66	0.67	0.66
Direction 3	0.68	0.66	0.66
Direction 4	0.66	0.67	0.67
Average	0.67	0.67	0.66


Katelyn Simpson
Laboratory Manager

1/14/2014

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