



PRODUCT PERFORMANCE TESTING LABORATORY

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November 8, 2019

NUE TILE LLC
Attn: Joe D'Agostino
1148 Meadow Lane
Grand Island, NY 14072

Dear Mr. D'Agostino,

Tile Council of North America has tested the samples you submitted. Test report TCNA-0755-19 is enclosed. If you have any questions or concerns, please contact us.

Best Regards,

TILE COUNCIL OF NORTH AMERICA, INC.

Katelyn Simpson
Laboratory Manager
Enclosure

TCNA TEST REPORT NUMBER: TCNA-0755-19 **PAGE:** 1 OF 3

TEST REQUESTED BY: NUE TILE LLC

TEST METHOD: ANSI A118.12 Specification for Crack Isolation Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation, Section 5.4 System Crack Resistance Testing

TEST SUBJECT MATERIAL: Identified by client as: “**DemoFlex TMS Plus**”
 Description of sample received: Roll of membrane

TEST DATE: 10/24/2019 – 11/5/2019

TEST PROCEDURE NOTES:

All specimens were set up and tested according to the method specified in ANSI A118.12 Section 5.4.

The NUE TILE Release Spray was applied to the faces of two 10 x 8 x 2-inch concrete blocks, butted and strapped together to form one 20 x 8 x 2-inch unit, per the manufacturer’s directions. One piece of DemoFlex TMS Plus membrane was applied to the substrate per the manufacturer’s directions. A specific pattern of 4 x 8 x ½-inch quarry tiles (detailed in ANSI A118.12 section 5.4) was bonded to the membrane with Laticrete 254 Rapid Set Thin-set Mortar using a 1/4" x 3/8" Square-notched trowel. The system was allowed to cure for 24 hours before grouting with Laticrete Permacolor grout. The specimens were cured for an additional 28 days. The specimens were then tested using the device specified in ANSI A118.12 section 5.4. The specimens were subjected to sixteen, 1/16" intervals beyond the eight intervals specified in ANSI A118.12 section 5.4 per the client’s request. This totaled a 3/8" gap opening during testing. The test was stopped after the first eight intervals and continued the next day.

TEST RESULTS:

Specimen	Observations	ANSI Specification
Specimen 1	The specimen reached a gap opening of 3/8" with no damage to the tile or grout joints.*	Standard performance: Tile failure occurs after 1/16" specimen gap opening, but before 1/8" gap opening. High performance: Tile failure does not occur by 1/8" specimen gap opening.
Specimen 2	The specimen reached a gap opening of 3/8" with no damage to the tile or grout joints.*	Standard performance: Tile failure occurs after 1/16" specimen gap opening, but before 1/8" gap opening. High performance: Tile failure does not occur by 1/8" specimen gap opening.
Specimen 3	The specimen reached a gap opening of 3/8" with no damage to the tile or grout joints.*	Standard performance: Tile failure occurs after 1/16" specimen gap opening, but before 1/8" gap opening. High performance: Tile failure does not occur by 1/8" specimen gap opening.

***COMMENTS:** The client requested that only section 5.4 of ANSI A118.12 performed on the material submitted. As the device was separating, the concrete substrate was moving but the membrane was not.



TCNA TEST REPORT NUMBER:

TCNA-0755-19

PAGE: 2 OF 3

IMAGE OF PRODUCT TESTED:



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TCNA TEST REPORT NUMBER:

TCNA-0755-19

PAGE: 3 OF 3

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Katelyn Simpson
Laboratory Manager

11/8/2019

