



**PRODUCT PERFORMANCE TESTING LABORATORY**

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September 4, 2020

Vidrepur  
Attn: Paul Medina Freeman  
2301 NW 84<sup>th</sup> Ave  
Miami, FL 33122

Dear Mr. Freeman,

Tile Council of North America has tested the samples you submitted. Test report TCNA-0543-20 is enclosed. If you have any questions or concerns, please contact us.

Best Regards,

TILE COUNCIL OF NORTH AMERICA, INC.

Dr. Jyothi Rangineni  
Research Scientist  
Enclosures



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**TEST REQUESTED BY:** Vidrepur  
2301 NW 84<sup>th</sup> Ave  
Miami, FL 33122

**TEST SUBJECT MATERIAL:** Identified by client as: “**VIDREPUR TECHNOCLEAN**”

**TEST DATE:** 8/17/2020 - 9/4/2020

**TEST PROCEDURE:**

*ASTM E3031:2015 Standard Test Method for Determination of Antibacterial Activity on Ceramic Surfaces*

Test method was modified to apply UV irradiation to samples inoculated with bacteria.

**TEST CONDITIONS:**

Test sample size: 1 inch x 1 inch square mosaics

Test bacteria: *E. coli* ATCC 8739

Adhesive film: Polyethylene (PE) film 40 mm × 40 mm

Volume of test suspension applied on test sample: 0.05 mL

Inoculum concentration:  $2 \times 10^4$  cfu/mL

UV irradiation intensity: 0.25 mW/cm<sup>2</sup>

UV irradiation time: 6 hours

Number of test pieces: 5 mosaics



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**Test 1:** Test performed on treated samples labelled as “**VIDREPUR TECHNOCLEAN**”

Test Piece	Percentage of reduction observed
Sample 1	91%
Sample 2	96.5%
Sample 3	80%
Sample 4	86%
Sample 5	84.5%

\*Reduction of bacteria calculated per the initial number of bacteria inoculated on the surface of the sample



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**DISCLAIMER AND LIMITATION OF LIABILITY**

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9/4/2020

Dr. Jyothi Rangineni  
Research Scientist