

May 23, 2023

Imad Madanat
Tephra USA
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Snellville, GA 30078

Email: info@tephrausa.com
Phone: (770) 825-1114

Subject: Report of Product Testing
Product: Moshe 3000 Repel
Lab No.: 23-821-2

Dear Mr. Madanat:

SGS Testing Engineering & Consulting Services, Inc. (SGS TEC Services) is an AASHTO R18, ANS/IEC/ISO 17025:2017, and Army Corps of Engineers accredited laboratory. SGS TEC Services is pleased to present this report of testing on the subject product submitted to our laboratory in May of 2023. Testing was performed in accordance with the terms and conditions of our Service Agreement. These test results pertain only to the sample tested. The purpose of the testing was to evaluate the submitted product in accordance with the Standards referenced below:

- ASTM D1308-21 *Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes*

ASTM D1308 – Chemical Resistance

The purpose of our testing was to evaluate the effects of coating for concrete using the covered spot method per ASTM D1308-13 *Standard Test Method for Effect of Household Chemicals on Clear and Pigmented Organic Finishes*. A drop of solution was placed onto the surface of the subject coating. The sample was then placed in the test room for 24 hours at $73.4 \pm 3.5^{\circ}\text{F}$ and $50 \pm 2\%$ humidity. At the conclusion of the test period the sample was checked for visible signs of discoloration, blistering, softening, swelling, loss of adhesion, or special phenomena. No significant sign of distress under these categories was observed

SGS Testing, Engineering and Consulting Services, Inc. appreciates the opportunity to provide our professional services for this important project. If you have any questions regarding this report, or if we can be of further assistance, please contact us at 770-995-8000.

Sincerely,

SGS TESTING, ENGINEERING & CONSULTING SERVICES, INC.



Tom Dang
Project Manager



James G. McCants III
Laboratory Manager, Chemist

Attachments: Tables 1 – 2 | Photo 1 – 3

Table 1 – Product Information & Mix Proportions

Product Name	Moshe 3000 Repel Repel
Conditioning Temperature	73 ± 2°F
Curing Temperatures	73 ± 2°F
Components	1 Component
Total Thickness	20 mil WFT
# of Coats	2
Mixing Time	3 minutes
Mixer Type	Drill Paddle
ASTM D1308	Pass – No Significant sign of distress under these categories was observed

Table 2 – ASTM D1308 – Stain Testing

Chemical Agent	Observation
Distilled Water - Cold	No Stain
Distilled Water - Hot	No Stain
Ethyl Alcohol - 50% volume	No Stain
Vinegar	No Stain
Alkali Solution - 10% HCl	No Stain
Acid Solution - 5% NaOH	No Stain
Soap	No Stain
Detergent	No Stain
Lighter Fluid	No Stain
Vegetable Oil	No Stain
Coffee	Stain
W-40	No Stain

Photo 1 – ASTM D1308 – Staining Test – Prior to Testing



Photo 2 – ASTM D1308 – Staining Test – Testing



Photo 3 – ASTM D1308 – Staining Test – After to Testing

