



NATIONAL RESEARCH CENTRE
TAHRIR St. DOKKI, CAIRO, EGYPT
Central Unit For Analysis And
Scientific Services (CUASS)
Material Test Lab.

المركز القومي للبحوث

الدقي . القاهرة . جمهورية مصر العربية
وحدة التحاليل و الخدمات العلمية المركزية
معمل إختبار المواد



Test Report

Report No.

MO1 9040 01 2026

Client

SILOX GERMANY

Authority & date

Request Orders 13/1/2026

Items Tested

Silox cure-UV , according to ASTM C309

Results

The detailed test results are given on the following pages of this report (4 pages).

Report Typist

*** Mis. Sara Abdel Reheam – Naglaa Mohamed
Noha Samir**

Test carried

*** Mis . Fatma El – Zahraa Fikry**

and supervised by

*** H.Eng. Ahmed Said**

*** Chem. Amr El Shafey**

*** Dr. Abou El Ftouh Abd El Hakem**

Authorized by

Prof. Dr. Mostafa Zaki Mostafa



*** The Supervisor of ceramics, Polymer and
Solid Matter Department.**

*** Management Representative and Quality
Assurance Manager.**

Issue date

22/1/2026

**Condition of Test
& Issue**

The test specimen was conditioned at 23 °C with a humidity of 60 % and the needed calibrations as well as balancing of the all used machines were always done .





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To / SILOX GERMANY

Dear Sir.,

With correspondence to your request dated 13/1/2026 concerning the testing Sample of Silox cure-UV, according to ASTM C309, We would like to inform you that the all following needed tests were carried out which namely :-

- 1-Density test.
- 2-Dry time test.
- 3- Solid content test .
- 4- Water retention after 72 hrs test.
- 5- Light reflectance test.

We would like to inform you that the all needed tests were carried out taking into consideration the following conditions :

- 1- On heating Muffle Furnace Type Vecstar was used .
- 2-Weighing Balance with tolerance+0.0001gwas used in determining the weights
- 3- Memmert West Germany
- 4-In all mechanical properties GALDABINI –QUASAR 600- Testing Machine was used This type of GALDABINI has a self calibration , zero adjusting and automatic balance , which are done daily before testing or during testing this testing instrument is accompanied by a highly reliable system for evaluating the mechanical properties.
- 5- The all used Machinery and the apparatus were calibrated periodically 4-The all used Machinery and the apparatus were calibrated periodically .

The following table gives the obtained results representing the sample produced by your company.





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Test Results on a Sample of Silox cure-UV

according to ASTM C309

Produced by SILOX GERMANY

<i>Tests</i>	<i>Results</i>	<i>ASTM C309 Type2</i> <i>class A Limit</i>
<i>Density (g/Cm3)</i>	1.037	1.0
<i>Dry Time (hr)</i>	2 20	< 4
<i>Solid content (%)</i>	37.3	--
<i>Water retention after 72 hrs (Kg/m2)</i>	0.523	< 0.55
<i>Light reflectance (%)</i>	62.3	> 60





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*This report was given to you representing only the results for testing
Sample of Silox cure-UV , according to ASTM C309, Produced by SILOX
GERMANY , These results and conclusions were given to you without any
responsibility on THE CERAMICS, POLYMERS AND SOLID MATTER
DEP. of THE MATERIAL TEST LAB in THE NATIONAL RESEARCH
CENTRE for pick up the samples to be tested.*

**Head of Director of The Board of Central Department
for Scientifical Analysis and Tests**

&

SUPERVISOR OF Material Test Lab

PROF.DR. MOSTAFA ZAKI MOSTAFA

