



Test Report

Report No.

Client

Authority & date

Items Tested

Results

Report Typist

Test carried

and supervised by

Authorized by

Issue date

**Condition of Test
& Issue**

MO1 1901 09 2019

Tri chem construction chemicals

Request Orders 11/9/2019

Tri Zinc P II

The detailed test results are given on the following pages of this report (3 pages).

* **Mis. Sara Abdel Rehim – Naglaa Mohamed**

* **Mis . Fatma El – Zahraa Fikry**

* **H.Eng. Ahmed Sayed**

* **Chem. Amr El Shafey**

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

Prof. Dr. Mostafa Zaki Mostafa

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

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

17/10/2019

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 .

(1/4-1901)





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

المركز القومي للبحوث
الدقى . القاهرة . جمهورية مصر العربية
وحدة التحليل والخدمات العلمية المركزية
معمل اختبار المواد



To / Tri chem construction chemicals

Dear Sir.,

With correspondence to your request dated 11/9/2019 concerning the testing Sample of Tri Zinc P II , We would like to inform you that the all following needed tests were carried out which namely :-

- 1- Salt Spry Test according to ASTM B117**
- 2- Bond Strength Test to steel according to ASTM D4541**

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

- 1-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.
- 2-Weighing Balance with tolerance $+0.0001g$ was used in determining the weights
- 3-Measuring drum of sensitivity $+0.01mm$ was used for dimensions evaluation
- 4- MOI Salt Spray test .
- 5- The all used Machinery and the apparatus were calibrated periodically .

The following tables give the obtained results representing the sample
Delivered from your company.

17
2019
[Signature]





Test Results On a Sample of Tri Zinc P II

Delivered from Tri chem construction chemicals

1- Salt Spry Test according to ASTM B117

<i>Time (hrs)</i>	<i>Solution</i>	<i>Type</i>	<i>Results</i>
240	NaCl	N.S.S	No any rust was observed

2- Bond Strength Test to steel according to ASTM D4541

<i>No.</i>	<i>Bond St. (N/mm2)</i>	<i>The mean value (N/mm2)</i>
1	1.92	1.99
2	2.03	
3	2.01	



(3/4-1901)





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This report was given to you representing only the results for testing Sample of Tri Zinc P II, delivered from Tri chem construction chemicals , 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 .

These results represent only the delivered sample and not any stored or produced quantities for any other purpose or project, Unauthorized reproduction of this report or any copy of it by any way or for any target is prohibited.

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

&

**SUPERVISOR
OF Material Test Lab**

PROF.DR. MOSTAFA ZAKI MOSTAF



(4/4-1901)

شارع التحرير - الدقي - القاهرة

مباشر ٣٣٣٨٧٨-٠٣
فاكس ١٤٢٤

داخلي ١٨١٠
١٤٢٤

٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦-٧٥٤١ - ٣٣٣٥٥١٩٢



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