

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

الهركز القومى للبحوث

الدقى . القاهرة . جههورية مصر العربية وحدة التحاليل والخدمات العلمية الركزية معمل اختبار المواد



Test Report

Report No.	
Client	
Authority &	date

Items Tested Results

Report Typist Test carried and supervised by MO1 1068 03 2019

Tri-chem Construction chemicals Request Orders Date 27/3/2019

Tri-Metal Top, according to ASTM D4060

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

- * Mis. Naglaa Mohamed-Sara Abdel Reheam
- * Mis. Fatma El Zahraa Fikry
- * H.Eng. Ahmed Said
- * Chem. Amr El Shafey
- * Dr. Abou El Ftouh Abd El Hakem

Authorized by

Issue date Condition of Test & Issue

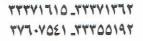
Prof. Dr. Mostafa Zaki Mostafa

- The Supervisor of Ceramics, Polymer and Solid Matter Department.
- Management Representative and Quality Assurance Manager.

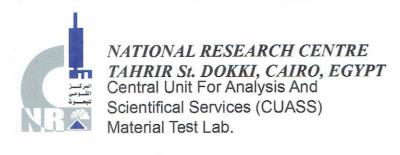
13/5/2019

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

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To / Tri-chem Construction chemicals

Dear Sir..

With correspondence to your request dated 27/3/2019 concerning the sample of Tri-Metal Top, We would like to inform you that the all following needed test, were carried out which namely:-

1- Abrasion Resistance test according to ASTM D4060.

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

- 1- In Abrasion resistance machine type Models 505 DUAL APRASION Tester.
- 2-Weighing Balance with tolerance + 0.0001 g was used in determining the weights
- 3- The all used Machinery and the apparatus were calibrated periodically.

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

Abrasion Resistance test according to ASTM D4060

CS17, 1000g, 1000cycle

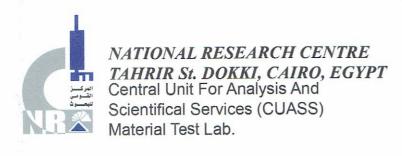
On a sample of Tri-Metal Top.

Delivered from Tri-chem Construction chemicals

No.	Loss of weight standard concert (mg)	Loss of weight Tri metal top (mg)
1	377	107
2	381	109

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This report was given to you representing only the results for the sample of Tri-Metal Top, 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.

Head of Director of The Board of Central Depertment for Scientifical Analysis and Tests

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SUPERVISOR 3 OF CERAMICS, POLYMER AND SOLID MATTER DEPARTMENT

PROF.DR. MOSTAFA ZAKI MOSTAFA

2019

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