

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

الهركز القومى للبحوث

الدقى . القاهرة . حمهورية مصر العربية وحدة التحاليل والخدمات العلمية المركزية معمل اختبار المواد



Test Report

Report No. Client

Authority & date

Items Tested Results

Report Typist Test carried and supervised by

MO1 4519 12 2020

Tri-chem Construction chemicals

Request Orders Date 13/12/2020

Tri- Hard Top

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 Shafev
- * Dr. Abou El Ftouh Abd El Hakem

Authorized by

Condition of Test & Issue

Prof. Dr. Mostafa Zaki Mostafa

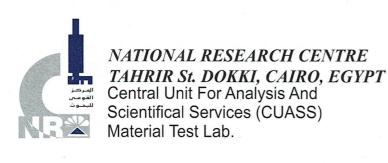
* The Supervisor of Ceramics, Polymer and Solid Matter Department.

* Management Representative and Quality Assurance Manager.

3/2/2021

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 .

E-mail: nrc1302a@yahoo.com



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To / Tri-chem Construction chemicals

Dear Sir.,

With correspondence to your request dated 13/12/2020 concerning the sample of Tri- Hard 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:

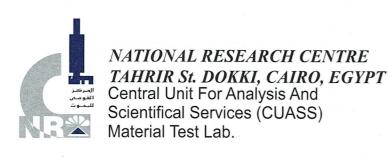
- 1- In Abrasion resistance machine type Models 505 DUAL APRASION Tester.
- 2-Weighing Balance with tolerance + 0.0001 g was used in determining the weights
- 3- The all used Machinery and the apparatus were calibrated periodically.

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

Abrasion resistance test according to ASTM D4060

No. of cycle	Used wheel	Weight (g)	Weight loss (mg)
1000	CS 17	1000	179.3





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This report was given to you representing only the results for the sample of Tri- Hard 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

&

SUPERVISOR

OF CERAMICS, POLYMER AND
SOLID MATTER DEPARTMENT

PROF.DR MOSTAFA ZANIMOSTAL