



Test Report

Report No.	MO1 7041 11 2021
Client	Tri chem construction chemicals
Authority & date	Request Orders 22/11/2021
Items Tested	Tri - coat 710
Results	The detailed test results are given on the following pages of this report (4 pages) .
Report Typist	* Mis. Naglaa Mohamed-Sara Abdel Reheam
Test carried by	Noha Samir * Mis . Fatma El Zahraa Fikry * 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	13/12/2021
Condition of Test & Issue	The test speciemen 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 .





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 التحاليل والخدمات العلمية المركزية
معمل اختبار المواد



To / Tri chem construction chemicals

Dear Sir.,

With correspondence to your request dated 22/11/2021 concerning the testing sample of Tri - coat 710 , according to EN 1062-7 , We would like to inform you that the all following needed tests were carried out which namely:

1- Crack bridging test (Dynamic bending test)

2- Carbon dioxide permeability test

We would like to inform you that the needed test was carried out taking into consideration the following conditions :

1- In all mechanical properties GALDABINI – QUASAR 600 – Made In Italy Universal Testing Machine was used This type 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-Measuring drum of sensitivity ± 0.01 mm was used for dimensions evaluation.

3- On heating a Memmert West Germany oven was used .

4- Weighing Balance with tolerance + 0.0001 g was used in determining the weights .

5- All used Machineries and apparatuses were calibrated periodically.

The following table gives the obtained results representing the sample delivered from your company .



شارع التحرير - الدقى - القاهرة

مباشر ٣٣٣٨٧٨٠٣
وفاكس ١٤٢٤

داخلى ١٨١٠
١٤٢٤

٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢



E-mail: nrc1302a@yahoo.com



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Crack bridging test (Dynamic bending test)

according to EN 1062-7 on a sample of Tri - coat 710

Delivered from Tri chem construction chemicals

<i>Span</i> (mm)	<i>Coat thickness</i> (mm)	<i>Max crack width</i> (mm)
245	1	2.0

Carbon dioxide permeability test

CO_2 permeability = 3.07 (g/m².d)





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*This report was given to you representing only the results for the testing sample Tri - coat 710 , 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 Department
for Scientific Analysis and Tests**

&

**SUPERVISOR
OF CERAMICS, POLYMER AND
SOLID MATTER DEPARTMENT**

PROF.DR. MOSTAFA ZAKI MOSTAFA



شارع التحرير - الدقى - القاهرة

مباشر ٣٣٣٨٧٨٠٣
وفاكس ١٨١٠

داخلى ١٤٢٤

٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢



E-mail: nrc1302a@yahoo.com