



Test Report

Report No.	MO1 4515 12 2020
Client	Tri-chem Construction chemicals
Authority & date	Request Orders Date 13/12/2020
Items Tested	Tri- Seal 307 Elastic
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 and supervised by	* 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	3/2/2021
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 13/12/2020 concerning the sample of Tri- Seal 307 Elastic, We would like to inform you that the all following needed test were carried out which namely:-

1- Water permeability test according to CRD C48 .

2- Elongation test according to ASTM C307

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 – 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 $\pm 0.01mm$ was used for dimensions evaluation.

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

4- The all used Machinery and the apparatus were calibrated periodically .

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





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Test results on a sample of Seal 307 Elastic

Delivered from Tri-chem Construction chemicals

1- Water permeability test according to CRD C48

- * The sample un permeable to water pressure up to 3 bar .
- * The sample un permeable to water pressure up to 1 bar in negative direction.

2- Elongation test according to ASTM C307

No.	Flexural strength (%)	Mean (%)
1	22.17	20.18
2	19.36	
3	19.01	





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*This report was given to you representing only the results for the sample of Tri- Seal 307 Elastic, 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 Scientifical Analysis and Tests**

&

SUPERVISOR 3

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

PROF.DR. MOSTAFA ZAKI MOSTAFA

