



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

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



Test Report

Report No.

MO1 8444 04 2022

Client

Tri-chem Construction chemicals

Authority & date

Request Orders 28/4/2022

Items Tested

TRI - FLOOR SLC 100

Results

The detailed test results are given on the following pages of this report (4 pages) .

Report Typist

* **Mis. Naglaa Mohamed-Sara Abdel Reheam**
Noha Samir

Test carried 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

24/5/2022

Condition of Test & Issue

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 .





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To / Tri-chem Construction chemicals

Dear Sir.,

With correspondence to your request dated 28/4/2022 concerning the testing sample of TRI - FLOOR SLC 100 , We would like to inform you that the all following needed tests were carried out which namely:

1- Compressive strength test according to ASTM C579

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 $\pm 0.01\text{mm}$ was used for dimensions evaluation.

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

4- Weighing Balance with tolerance $+ 0.0001\text{ g}$ was used in determining the weights .

5- Braive Instruments

6- All used Machineries and apparatuses were calibrated periodically

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



Compressive strength test after 28 days according to ASTM C579

on a sample of TRI - FLOOR SLC 100

Delivered from Tri-chem Construction chemicals

<i>No.</i>	<i>Compressive strength (N/mm2)</i>	<i>The mean value (N/mm2)</i>
1	26.41	28.17
2	26.93	
3	31.17	

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This report was given to you representing only the results for the testing sample of TRI - FLOOR SLC 100, 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 ZAKI MOSTAFA

