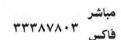


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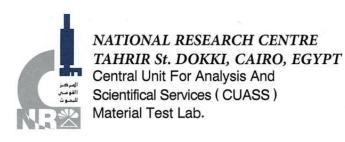
Test Report

Report No.	MO1 8444 04 2022
Client	Tri-chem Construction chemicals
Authority & date	Request Orders 28/4/2022
Items Tested Results	TRI - FLOOR 1010 The detailed test results are given on the following pages of this report (5 pages) .
Report Typist	* Mis. Naglaa Mohamed-Sara Abdel Reheam
Test carried by	Noha Samir
	* Mis . Fatma El Zahraa Fikry
i de	* H.Eng. Ahmed Said
	* Chem. Amr El Shafey
	* Dr. Abou El Ftouh Abd El Hakem
Authorized by	Prof. Dr. Mostafa Zaki Mostafa
Many	* The Supervisor of ceramics, Polymer and Solid Matter Department.
المراخ القومي للمعون	* Management Representative and Quality Assurance Manager.
Kine date	19/5/2022
Condition of Test	The test speciemen was conditioned at 23 °C
& Issue	with a humidity of 60 % and the needed
	calibrations as well as balancing of the all
	used machines were always done .
	Entering the second control of the second co











To / Tri-chem Construction chemicals

Dear Sir.,

With correspondence to your request dated 28/4/2022 concerning the testing sample of TRI - FLOOR 1010 , We would like to inform you that the all following needed tests were carried out which namely:

- 1- Bond strength test to concrete according to ASTM D4541
- 2- Hardness test (Shore D) according to ASTM D2240
- 3- Compressive strength test according to ASTM C579
- 4- Flexural strength test according to ASTM C580
- 5- Tensile strength Test according to ASTM D638

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- Braive Instruments
- 6- All used Machineries and apparatuses were calibrated periodically

The following tables give the obtained results representing the sample delivered from your company.





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

المركز القومى للبحوث

الدقس . القاهرة . جمهورية مصر العربيا وحدة التحاليل و الخدمات العلمية المركزية

معمل اختبار المواد



Material Test Lab.

Test results on a sample of TRI - FLOOR 1010

Delivered from Tri-chem Construction chemicals

1- Bond strength test to concrete according to ASTM D4541

No.	Bond strength (N/mm2)	Mean (N/mm2)
1	1.27	
2	1.33	-
3	1.35	1.33
4	1.29	Concrete Failure
5	1.39	A

2- Hardness test (Shore D) according to ASTM D2240

No.	Hardness (Shore D)	The mean value
1	81	
2	82	
3	82	82
4	82	
5	82	on the same of the same of the

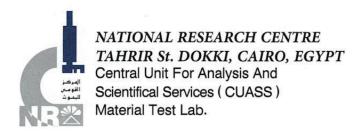
3- Compressive strength test according to ASTM C579

No.	Compressive strength (N/mm2)	The mean value (N/mm2)
1	66.71	
2	67.83	np
3	65.01	66.65
4	66.92	V-,-
5	66.77	

شارع التحرير - الدقى - القاهرة

مباشر فاکس ۳۳۳۸۷۸۰۳ داخلی ۱۸۱۰





الدقس . القاهرة . جمهورية مصر العربية وحدة التحاليل و الخدمات العلمية المركزية معمل اختبار المواد



Test results on a sample of TRI - FLOOR 1010

Delivered from Tri-chem Construction chemicals

4- Flexural strength test according to ASTM C580

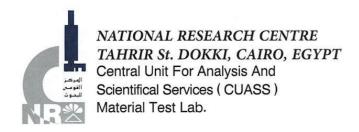
No.	Flexural strength (N/mm2)	Mean (N/mm2)
1	31.32	All Suppose
2	31.61	
3	30.31	30.09
4	29.33	
5	29.03	

5- Tensile strength Test according to ASTM D638

No.	Tensile strength (N/mm2)	The mean value (N/mm2)
1	17.75	
2	17.09	5 A .
3	16.82	16.96
4	16.91	
5	16.23	









This report was given to you representing only the results for the testing sample of TRI - FLOOR 1010, 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 D

PROF.DR. MOS

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