



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 التحليل و الخدمات العلمية المركزية
معمل اختبار المواد



Test Report

Report No.	MO1 8892 07 2022
Client	Tri chem construction chemicals
Authority & date	Request Orders 4/7/2022
Items Tested	Tri floor SB
Results	The detailed test results are given on the following pages of this report (5 pages).
Report Typist	* Mis. Sara Abdel Rehim – Naglaa Mohamed
Test carried and supervised by	* Mis . Fatma El – Zahraa Fikry * H.Eng. Ahmed Sayed * 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	11/8/2022
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 .

شارع التحرير - الدقى - القاهرة

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E-mail : nrc1302a@yahoo.com

Test Results On a Sample of Tri floor SB

Delivered from Tri chem construction chemicals

1- Bond Strength Test to concrete according to ASTM C321

No.	Bond St. (N/mm ²)	The mean value (N/mm ²)
1	1.53	1.56
2	1.49	
3	1.67	
4	1.58	
5	1.51	

* Failure to concrete

2- Bond Strength Test to steel according to ASTM D4541

No.	Bond St. (N/mm ²)	The mean value (N/mm ²)
1	2.37	2.40
2	2.44	
3	2.25	
4	2.53	
5	2.41	

3- Abrasion resistance test according to ASTM D4060

No. of cycle	Used wheel	Load (g)	Weight loss (mg)
1000	CS 17	1000	89.1

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مركز القومى للبحوث
وحدة
الخدمات العلمية المركزية
2072



Test Results On a Sample of Tri floor SB

Delivered from Tri chem construction chemicals

4- Chemical Resistance test for 48hrs at 23°C

according to ASTM C267

No.	Chemicals	Results
1	Hydrochloric acid 10%	No effect
2	Sulfuric acid 10%	No effect
3	Acetic acid 10%	No effect
4	Sodium hydroxide 50%	No effect
5	Potassium hydroxide 50%	No effect
6	Sodium Chloride 50%	No effect





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This report was given to you representing only the results for testing Sample of Tri floor SB , 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 .

These results represent only the delivered sample and not any stored or produced quantities for any other purpose or project, Unauthorized reproduction of this report or any copy of it by any way or for any target is prohibited.

**Head of Director of The Board of Central Department
for Scientifical Analysis and Tests**

&

**SUPERVISOR
OF Material Test Lab.**

PROF.DR. MOSTAFA ZAKI MOSTAF



شارع التحرير - الدقى - القاهرة

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