

Test Report

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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	* Mis . Fatma El – Zahraa Fikry			
and supervised by	* H.Eng. Ahmed Sayed			
	* Chem. Amr El Shafey			
	* Dr. Abou El Ftouh Abd El Hakem			
Authorized by	Prof. Dr. Mostafa Zaki Mostafa			
01 - 00/11	* The Supervisor of ceramics, Polymer and			
	Solid Matter Department.			
2372	* Management Representative and Quality			
النب الوسلاق	Assurance Manager.			
Issue date	11/8/2022			
Condition of Test	The test specimen was conditioned at 23 °C with			
& Issue	a humidity of 60 % and the needed calibrations as			
	well as balancing of the all used machines were			
	always done .			

شارع التحرير - الدقى - القاهرة

TV7. VOE1 - TTTOO197







To / Tri chem construction chemicals

Dear Sir.,

With correspondence to your request dated 4/7/2022 concerning the testing Sample of Tri floor SB, 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 C321
- 2- Bond Strength Test to steel according to ASTM C321
- 3- Abrasion resistance test according to ASTM D4060
- 4- Chemical Resistance test for 48hrs at 23°C according to ASTM C267

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- Testing Machine was used This type of GALDABINI 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-Weighing Balance with tolerance+0.0001 gwas used in determining the weights
- $3-Measuring\ drum\ of\ sensitivity+0.01mm\ was\ used\ for\ dimensions\ evaluation$
- 4- Taber Model 505 DUAL ABRASER Tester
- 5- The all used Machinery and the apparatus were calibrated periodically.

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

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Test Results On a Sample of Tri floor SB <u>Delivered from Tri chem construction chemicals</u>

1- Bond Strength Test to concrete according to ASTM C321

No.	Bond St. (N/mm2)	The mean value (N/mm2)
1	1.53	
2	1.49	
3	1.67	1.56
4	1.58	
5	1.51	-

^{*} Failure to concrete

2- Bond Strength Test to steel according to ASTM D4541

No.	Bond St. (N/mm2)	The mean value (N/mm2)
1	2.37	
2	2.44	
3	2.25	2.40
4	2.53	
5	2.41	

3- Abrasion resistance test according to ASTM D4060

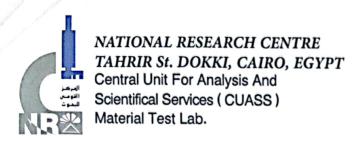
No. of cycle	Used wheel	Load	Weight loss
		(g)	(mg)
1000	CS 17	1000	89.1

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مباشر های ۳۳۳۸۷۸۰۳ داخلی ۱۸۱۰

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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

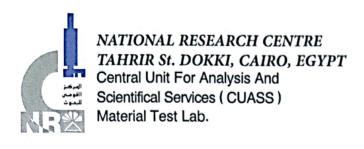
No.	Chemicals	Results
1	Hydrochloric acid 10%	No effect
2	Sulfuric acid 10%	No effect
3	Acetic acid 10%	No effect
4	Sodium hydroxide 50%	No effect
5	Potassium hydroxide 50%	No effect
6	Sodium Chloride 50%	No effect



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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 Depertment for Scientifical Analysis and Tests

ERVISOR

OF Material Test

PROF.DR. MOS

2022

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