



Test Report

Report No.	MO1 1772 05 2023
Client	SCIB Chemicals S.A.E
Authority & date	Request Orders 28/5/2023
Items Tested	<u>Apcoflor Epoxy HB screed 200</u>
Results	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
	* 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	22/6/2023
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
Scientifical Services (CUASS)
Material Test Lab.

المركز القومي للبحوث
الدقى . القاهرة . جمهورية مصر العربية
وحدة التحاليل والخدمات العلمية المركزية
معمل اختبار المواد



TO/ SCIB Chemicals S.A.E

Dear Sir.,

With correspondence to your request dated 28/5/2023 concerning the testing sample of Apcoflor Epoxy HB screed 200 , We would like to inform you that the all following needed tests were carried out which namely:

- 1- Compressive strength test according to ASTM D579**
- 2- Flexural strength test according to ASTM C580**
- 3- Bond strength to concrete according to ISO 4624**

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- All used Machineries and apparatuses were calibrated periodically.

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



شارع التحرير - الدقى - القاهرة

داخلي ١٨١٠
فاكس ١٤٣٤
٣٣٣٨٧٨

٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢



E-mail: nrc1302a@yahoo.com

Test results on a sample of Apcoflor Epoxy HB screed 200

Delivered from SCIB Chemicals S.A.E

1- Compressive strength test according to ASTM C579

No.	Compressive strength (N/mm ²)	The mean value (N/mm ²)
1	91.71	91.298
2	90.89	
3	91.33	
4	91.65	
5	90.91	

2- Flexural strength test according to ASTM C580

No.	Results (N/mm ²)	The mean value (N/mm ²)
1	27.11	27.17
2	26.89	
3	27.14	
4	26.90	
5	27.81	



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Test results on a sample of Apcoflor Epoxy HB screed 200

Delivered from SCIB Chemicals S.A.E

3- Bond strength to concrete according to ISO 4624

<i>No.</i>	<i>Pull-off strength (N/mm2)</i>	<i>Mean (N/mm2)</i>
1	1.71	1.808
2	1.94	
3	1.82	
4	1.81	
5	1.76	

** Failure in concrete*





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*This report was given to you representing only the results for the testing sample of Apcoflor Epoxy HB screed 200, Delivered from SCIB Chemicals S.A.E , 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

OF CERAMICS, POLYMER AND
SOLID MATTER DEPARTMENT

PROF.DR. MOSTAFA ZAKI MOSTAFA



شارع التحرير - الدقى - القاهرة

مباشر : ٣٣٣٨٧٨٠٣
فاكس : ١٤٢٤



داخلى

٣٣٣٧١٦١٥ - ٣٣٣٧١٣٦٢
٣٧٦٠٧٥٤١ - ٣٣٣٥٥١٩٢



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