



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 و الخدمات العلمية المركزية
معمل اختبار المواد



Test Report

Report No.	MO1 0015 11 2022
Client	SCIB Chemicals S.A.E
Authority & date	Request Orders 9/11/2022
Items Tested	APCOFLOR HFP 120 + APCOFLOR TC 700
Results	The detailed test results are given on the following pages of this report (4 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	13/12/2022
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 .





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To / SCIB Chemicals S.A.E

Dear Sir.,

With correspondence to your request dated 9/11/2022 concerning the testing sample of APCOFLOH HFP 120 + APCOFLOH TC 700 , We would like to inform you that the all following needed tests were carried out which namely:

- 1- Bond strength to concrete (Pull-off test) according to ASTM D4541**
- 2- Hardness test (Shore D) according to ASTM D2240**
- 3- Abrasion resistance test according to ASTM D4060**

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- Braive Instruments.*
- 5- Weighing Balance with tolerance + 0.0001 g was used in determining the weights .*
- 6- Taber Model 505 DUAL ABRASER Tester*
- 7- All used Machineries and apparatuses 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

APCOFLOR HFP 120 + APCOFLOR TC 700

Delivered from SCIB Chemicals S.A.E

1- Bond strength to concrete (Pull-off test)

according to ASTM D4541

No.	Pull-off strength (N/mm ²)	Mean (N/mm ²)
1	1.22	1.25
2	1.31	
3	1.25	
4	1.29	
5	1.19	

** Sample Failure*

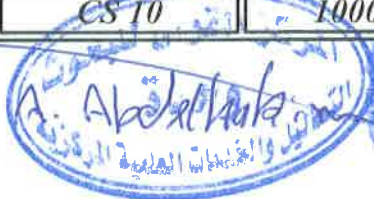
2- Hardness test (Shore D) according to ASTM D2240

No.	Hardness (Shore D)	Mean
1	63	62
2	62	
3	62	
4	62	
5	63	

3- Abrasion resistance test according to ASTM D4060

No. of cycle	Used wheel	Weight (g)	Weight loss (mg)
1000	CS 10	1000	109.7

A.



شارع التحرير - الدقى - القاهرة

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مباشر
فاكس

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داخلى

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المركز القومي للبحوث

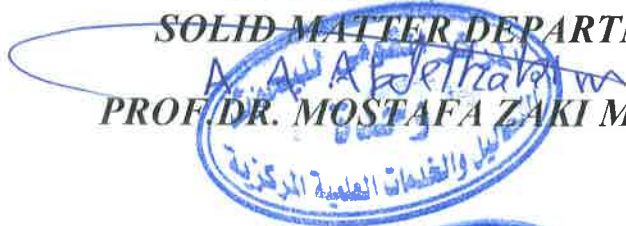
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*This report was given to you representing only the results for the testing sample of APCOFLOF HFP 120 + APCOFLOF TC 700 , Delivered from SCIB Chemicals S.A.E , These results and conclusions were given to you without any responsibility on **THE CERAMICS, 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**
A. A. Abdelhaleem
PROF. DR. MOSTAFA ZAKI MOSTAFA





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Test Report

Report No.

MO1 4146 03 2024

Client

SCIB Chemicals S.A.E

Authority & date

Request Orders 28/3/2024

Items Tested

Apcoflor TC 700

Results

The detailed test results are given on the following pages of this report (3 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

9/5/2024

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 .





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TO/ SCIB Chemicals S.A.E

Dear Sir.,

With correspondence to your request dated 28/3/2024 concerning the testing sample of Apcoflor TC 700 , We would like to inform you that the all following needed tests were carried out which namely:

1- Accelerated Weathering resistance test according to ASTM G154

We would like to inform you that the needed test was carried out taking into consideration the following conditions :

- 1- Accelerated weathering tester model QUV/se made in USA .
- 2- All used Machineries and apparatuses were calibrated periodically.

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

Accelerated Weathering resistance test according to ASTM G154

On a sample of Apcoflor TC 700

Delivered from SCIB Chemicals S.A.E

Exposure time (h)	Exposure temp. (°C)	Light source	Irradiance (w/m2)	Results	
				Observation	ΔE
500	60	313nm UV-B cycle 2	0.71	No crack or was observed	1.84





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

&

**SUPERVISOR⁹
OF CERAMICS, POLYMER AND
SOLID MATTER DEPARTMENT**

PROF.DR. MOSTAFA ZAKI MOSTAFA



2024

