



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 التحاليل و الخدمات العلمية المركزية
معمل اختبار المواد



Test Report

Report No.

MO1 0292 11 2022

Client

SCIB Chemicals S.A.E

Authority & date

Request Orders 29/11/2022

Items Tested

APCOFLOR HFP 120

Results

The detailed test results are given on the following pages of this report (5 pages) .

Report Typist

* **Mis. Naglaa Mohamed-Sara Abdel Reheam**
Noha Samir

Test carried by

* **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

8/12/2022

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 .





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To / SCIB Chemicals S.A.E

Dear Sir.,

With correspondence to your request dated 29/11/2022 concerning the testing sample of APCOFLOH HFP 120 , 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- Flexural strength test according to ASTM D790**
- 3- Hardness test (Shore D) according to ASTM D2240**
- 4- Impact resistance test according to ASTM D2794**

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 $\pm 0.01mm$ 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- 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 APCOFLOH HFP 120

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	1.37	1.43
2	1.53	
3	1.29	
4	1.41	
5	1.53	

**** Failure to concrete***

2- Flexural strength test according to ASTM D790

No.	Flexural strength (N/mm ²)	Mean (N/mm ²)
1	1.37	1.43
2	1.53	
3	1.29	
4	1.41	
5	1.53	





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Test results on a sample of APCOFLOH HFP 120

Delivered from SCIB Chemicals S.A.E

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

No.	Hardness (Shore D)	Mean
1	62	63
2	63	
3	63	
4	63	
5	64	

4- Impact resistance test according to ASTM D2794

Coat thickness (micron)	Substrate thickness (mm)	Punch diameter (mm)	Weight (Kg)	Height (Cm)	Observation
200	16	12.5	2	50	No cracks





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*This report was given to you representing only the results for the testing sample of APCOFLOH HFP 120 , 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





مختبرات ويمبي
WIMPEY LABORATORIES



LABORATORY TEST REPORT

VOLATILE ORGANIC CONTENT

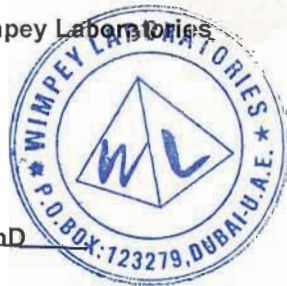
Client	BERGER PAINTS EMIRATED LTD, L.L.C, CO.		
Project Name	N.G	Lab Report No.	WLM14-1008/2
Sample Description	APCOFLOR HFP 120	Sample No.	WMS14-1008/2
Source	Berger Paints Emirates Ltd LLC	Date Reported	17/12/2014
Client's Ref.	N.G	Date Received	14/12/2014
Sampling Method	Not Specified	Date Tested	14/12/2014-16/12/2014
Sample brought in by	Client	Tested Location	Wim – Dubai
Sampling Date	N.G	Tested By	SP

Chemical Analysis

Test	Method	Unit	Result
VOC	USEPA 24	g/L	7.1

As per USEPA Ref: FR Vol. 74, No. 12 (Federal Register, January 21, 2009)

Signed for and on behalf of Wimpey Laboratories



Dr. Sudhanandh V.S., M. Phil, PhD
Laboratory Manager

Test results relate only to the samples tested.

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* This test is not accredited by IAS