

Test Report on Water proofing barrier System

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	Smart Care Water Mine ECO
Test Method	ACI 515 IR-79 Chaper 2 section 2.1.1
Room Temperature	23 C
Room Relative Humidity	55 %
Test description	Water proofing is treatment of asurface to prevent the passage of water under hydrostatic pressure , 72 hours in autoclave under 5 par and solution positive side barrier system is placed on the same side as the applied hydrosttic pressure , Negative side barrier system is placed on the opposite to the applied hydrostatic pressure

Test Results

Test	Results			
	Sample 1	Sample 2	Average	Recommendation
Positive hydrostatic water pressure test	Not affected	Not affected	Not affected	pass
Negative hydrostatic water pressure test	Not affected	Not affected	Not affected	pass

SPC Director

Prof. Dr. Ashraf EL-Said



Ashraf EL-Said

Test Report on Dampproofing barrier systems

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	Smart Care Water Mine ECO
Test Method	ACI 515 IR-79 Chapter 2 Section 2.1.2
Conditioning procedure	Dampproofing is a treatment of a surface to resist the passage of water in the absence of hydrostatic pressure for 24 hours
Room Temperature	23 C
Room Relative Humidity	55 %

Test Results

Test	Results			
	Sample 1	Sample 2	Average	Recommendation
Barrier system on interior face test	Not change in colour , not affected by water	Not change in colour , not affected by water	Not change in colour , not affected by water	pass
Barrier system on exterior face test	Not affected	Not affected	Not affected	pass



SPC Director

Prof. Dr. Ashraf EL-Said

(Signature of Prof. Dr. Ashraf EL-Said)

Test Report on Protective barrier System

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	Smart Care Water Mine ECO
Test Method	ACI 515 IR-79 Chapeter 2 Section 2.1.3
Conditioning procedure	Protective barrier systems are used to protect concrete from degradation by chemicals , so water mine coat applied by thickness 250 μ m on concrete 100mmx100mm and immersed in dil Hcl for 7 days and study the effect of chemical on adhesion and abrasion befor and after immersion
Room Temperature, Relative Humidity	23 C & 55 %

Test Results

Test	Results			
	Sample 1	Sample 2	Average	Recommendation
Adhesion befor immersion (MPa)	2.2	2.6	24	pass
Adhesion After immersion (MPa)	2.0	2.3	2.15	pass
Abrasion befor immersion (mg)	77	75	76	pass
Abrasion after immersion (mg)	81	79	80	pass



SPC Director
Prof. Dr. Ashraf EL-Said

(Handwritten signature of Prof. Dr. Ashraf EL-Said)

Test Report on Specification for emulsion used as protective coating for roofing

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	Smart Care Water Mine ECO
Test Method	ASTM D1227 Type 3 Class 1
Room Temperature	23 C
Room Relative Humidity	50 %

Test Results

Test			Results			
	Sample 1	Sample 2	Average	Standard limit		Recommendation
				Max	Min.	
Weight per litre, g	982	984	983	1080	980	pass
Residue by evaporation %	55.8	55.9	55.8	47	53	-
Ash content of residue %	11.2	11.3	11.25	-	8	-
Water content %	44.2	44.1	44.2	0	53	pass
Firm set, h	24	24	24	-	24	pass

SPC Director

Prof. Dr. Ashraf EL-Said



(Handwritten signature of Prof. Dr. Ashraf EL-Said)



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 1269 03 2023
Client	SCIB Chemicals S.A.E
Authority & date	Request Orders 14/3/2023
Items Tested	(3) samples (Water mine ECO NOVO , Water mine ECO AWAZEL , Water mine DRY PROOF 530)
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	26/3/2023
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 .





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TO/ SCIB Chemicals S.A.E

Dear Sir.,

With correspondence to your request dated 14/3/2023 concerning the testing of (3) samples (Water mine ECO NOVO , Water mine ECO AWAZEL , Water mine DRY PROOF 530) , We would like to inform you that the all following needed tests were carried out which namely:

1- Bitumen content test according to ASTM D2939

2- Ash content test according to ASTM D2939

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

1-Measuring drum of sensitivity $\pm 0.01\text{mm}$ was used for dimensions evaluation.

2- On heating a Memmert West Germany oven was used .

3-Weighing Balance with tolerance $+ 0.0001\text{ g}$ was used in determining the weights .

4- All used Machineries and apparatuses were calibrated periodically.

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



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Test results according to ASTM D2939

Delivered from SCIB Chemicals S.A.E

<i>Samples</i>	<i>Bitumen content</i> (%)	<i>Ash content</i> (%)
<i>Water mine ECO NOVO</i>	20.65	48.14
<i>Water mine ECO AWAZEL</i>	26.04	32.64
<i>Water mine DRY PROOF 530</i>	25.72	34.93



3

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*This report was given to you representing only the results for the testing of (3) samples (Water mine ECO NOVO , Water mine ECO AWAZEL , Water mine DRY PROOF 530) , 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 Depertment
for Scientifical Analysis and Tests**

&

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

PROF.DR. MOSTAFA ZAKI MOSTAFA



2023

