

Test Report on Adhesion Strength

Client	SCIB Paints 6th of October city ,Egypt	Lab Report NO.	SPC 22-104/12
Project Name	N.G	Sample No.	SPC22-104/5
Samole Desscription	DB2K-800	Date Recived	24/2/2022
Source	SCIB Paints	Casting Date	25/2/2022
Client Reference	N.G	Date Tested	15/3/2022
Test Method	ASTM D4541-17	Date Reported	20/3/2022
Test Type	Type 5-Self Aligmining Tester	Substrate Used	Concrete
Location	In SPC lab.	Adhesive used	Two component epoxy
Sampling Conducting	Temp, 23c Relative Humidity 50%	Tested By	ossama

Test Procedure

The general pull –off tested is performed by securing aloading fixture (dolly,stud)normal (perpendicular) to the surface of the coating with an adhesive . After the adhesive is cured attested apparatus is attached to the loading fixture and aligned to apply tension normal to the surface .The force applied to the loading fixture is then gradually increased and monitored until either aplug of material is detedcted or specified value is reached . When aplug of material is detached the exposed surface reprenteds the plane of limiting strength within the system.

The nature of the failure is qualified in accordance with the percent of adhesive and failure , and the actual interface and layers involved.

The pull –off strength is comuted based on the maximum indicated loa

Description	Results		
	Samle 1	Sample 2	Sample 3
Test number			
Diameter of Dolly (mm)	20	20	20
Test position	Vertical	Vertical	Vertical
Pull off strength (N/mm ²)	2.8	2.9	3.0
Average pull off strength (N/mm ²)	2.9		
Mode of Failure	Failure Observed from sample		



SPC Director

Prof. Dr. Ashraf El-said



Test Report on Crack Bridging Ability

Client	SCIB Paints 6th of October city ,Egypt	Lab Report NO.	SPC 22-104/11
Project Name	N.A	Sample No.	SPC22-104/4
Samole Desscription	DB2K-800	Date Recived	24/2/2022
Source	SCIB Paints	Casting Date	25/2/2022
Client Reference	N.G	Date Tested	15/3/2022
Test Method	ASTM C1305/C1305M-16	Date Reported	20/3/2022
Nature of substrate	Concrete	No. of cast &Method of application	One coat
Substrate Dimenstion(mm)	75 x 50	Coating Thickness	1mm
Sampling Conducting	Temp, 23c Relative Humidity 50%	Tested By	ossama

Test Results

Test	Crack width at which first failure in the coating occurred (mm)
Crack bridging Ability	1.9
Recommendation	

SPC Director

Prof. Dr. Ashraf EL-Said




Test Report on Depth of penetration of water under positive pressure

Client	SCIB Paints	Lab Report NO,	SPC 22-104/15
Adress	6th of October city ,Egypt	Sample No,	SPC22-104/22
Contractor	N.G	Date Reported	25/4/2022
consultant	N.G	Sample certificate	N.G
Project name	N.G	Sample cast on	25/2/2022
Sample description	DB2K-800	Date test started	2/3/2022
Source/manufacture	SCIB Paints	Date test completed	6/3/2022
Sample received date	24/2/2022	Sampling method	N.A
Mositure content	N.A	Sample size mm	150X150cm
Surface treatment done	By SPC lab.	Age of test	N.A
Test Method	DIN 1048	Requard test Age	72 hours
Concrete Mix Grade	N.A	Pressure Applied	5 Bar

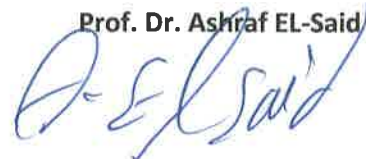
Test Results

Sample Reference	SPC22-104/3		
Client Reference	1	2	3
Apperance of Specimen	Good	Good	Good
Direction of application of water pressure with respect to the casting direction	As per standard	As per standard	As per standard
Observation of pressure of water leakage on the surface of sample during test	No leakage	No leakage	No leakage
Water penetration depth (Max.) mm	Nil	Nil	Nil



SPC Director

Prof. Dr. Ashraf EL-Said



Test Report on Carbon dioxide diffusion

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	DB2K-800
Test Method	BS EN 1062-6: 2002
Specimen Thickness(mm)	202
Room Temperature	23 C
Room Relative Humidity	50%

Test Results

Test	Results
Average Carbon Dioxide Permeability	0.263 g/m ² day
Diffusion equivalent air Layer thickness SD	1105 m
Carbon dioxide diffusion coefficient of the coating	2.13x 10 ⁴
Classification of coating material and coating	C1

SPC Director

Prof. Dr. Ashraf EL-said



Test Report on Elongation

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	DB2K 800
Test Method	ASTM D 2370
Dry Film Thickness	2mm
Room Temperature	23 C
Room Relative Humidity	50%

Test Results

Test	Results		
Elongation%	Sample 1	Sample 2	Average
	1.8	1.6	1.7

SPC Director

Prof. Dr. Ashraf EL-said



HEAVY METAL REPORT

This table shows determination of heavy metals in **DB2K 800** sample produced by SCIB Company after immersed in distilled water according to standard **ES 190** to apply potable water resist.

No	Heavy metal Concentration	Limits	Unit	Results	Decision
1	PH	7+- 0.6		7.3	pass
2	Iron (Fe) conc.	≤ 0.3	mg/l	≤ 0.06	pass
3	Copper (Cu) conc.	≤ 2		≤ 0.005	pass
4	Zinc(Zn) conc.	≤ 3.0		≤ 0.003	pass
5	Nickel (Ni) conc.	≤ 0.02		≤ 0.000	pass
6	Cadmium (Cd) conc.	≤ 0.003		≤ 0.00	pass
7	Manganese (Mn) conc.	≤ 0.4		≤ 0.01	pass
8	Lead (pb) conc.	≤ 0.01		≤ 0.000	pass
9	Arsenic (As) conc.	≤ 0.01		≤ 0.000	pass
10	Mercury(Hg) conc.	Zero		≤ 0.000	pass

The sample is accept according to potable water standard requirments.

Spc Director

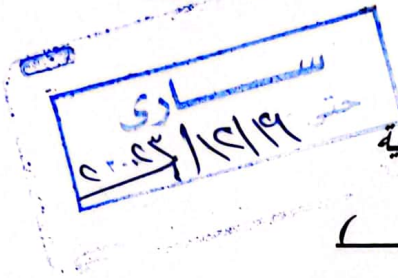
Prof. Ashraf EL-said




National Organization
For Potable Water & Sanitary Drainage
Administration of Testing & Industry Supervision



الهيئة القومية
لمياه الشرب والصرف الصحي
إدارة الاختبارات والرقابة على الصناعة



شهادة اعتماد منشأة إنتاجية

(مواد العزل والدهانات)

اسم المنشأة : شركة سكيب للكيماويات
عنوان الإدارة : قطعة رقم ٣/١/ب - المنطقة الصناعية الرابعة - ٦ أكتوبر - محافظة الجيزة
عنوان المصنع : قطعة رقم ٣/١/ب - المنطقة الصناعية الرابعة - ٦ أكتوبر - محافظة الجيزة
السجل التجاري : ١٠٢٥ مكتب سجل تجاري : استثمار القاهرة محافظة : القاهرة
ب-ض رقم تسجيل ضريبي : ١٠٠-٣٩٩-٥٦٨ مأمورية : كبار ممولين محافظة : القاهرة
سجل صناعي رقم : ٥٣٤ ١٠٢٦ ٠٤٢٧ ٠٦١٨ سنة الإصدار : ١٩٩٨ نوعية الصناعة : كيماوية
رخصة : ٢٩ ٠٠٠ ١٧١٢١٩ ١٢٢٠ في ١٩/١٢/٢٠١٧ (مدينة) : ٦ أكتوبر
موافقة شئون البيئة : خطاب رقم القرار : ٥٩٦١ التاريخ ٢٠٠٩/١٢/٢ الجهة : جهاز شئون البيئة

أهم المنتجات المعتمدة لدى الهيئة :-

- ١- دامب بلوك 2K 600 (عازل اسمنتي لتنكات مياه الشرب)
- ٢- دامب بلوك 2K 700 (عازل اسمنتي لتنكات مياه الشرب)
- ٣- دامب بلوك 2K 800 (عازل اسمنتي لتنكات مياه الشرب)

• طبقا للمواصفات القياسية المصرية والعالمية

• يتم الالتزام بتعليمات الادارة والموضحة خلفه وفي حاله مخالفتها يعتبر لاغبي

• شهادة الاعتماد لا يعمل بها كبديل عن شهادات الاختبار التي تصدر لكل أمر توريد على حده

المشرف العام
محمد لبيب
٢٠١٩/١٢/٠٤
"محمود عبد الحميد المزين"



صادر في ٢٠١٩/١٢/٠٤
ساري حتى ٢٠١٩/١٢/٠٤

shereen

٢٠١٩/١٢/٠٤