

Test Report on Tensile strength

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	DB2K 500
Test Method	BS 8110 part 1
Dry Film Thickness	2mm
Room Temperature	23 C
Room Relative Humidity	50%

Test Results

Test	Results		
Tensile strength	Sample 1	Sample 2	Average
	6.2 N/mm ²	5.6 N/mm ²	5.9 N/mm ²
Recommendation	pass	pass	pass



SPC Director

Prof. Dr. Ashraf EL-said

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

Test Report on Elongation

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	DB2K 500
Test Method	BS 812-105-2
Dry Film Thickness	2mm
Room Temperature	23 C
Room Relative Humidity	50%

Test Results

Test	Results		
Elongation%	Sample 1	Sample 2	Average
	2.1	2.5	2.3



SPC Director

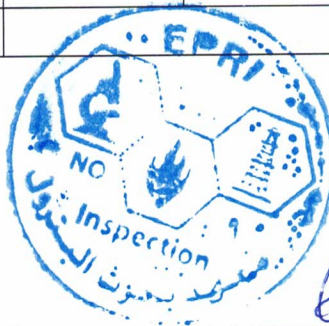
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Test Report on Pull –Off Adhesion Strength

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	DB2K 500
Test Method	ASTM D 4541-17
Test type	Type 5- self Aligning Tester
Dry Film Thickness	100μ
Room Temperature	23 C
Room Relative Humidity	50%
Substrate used	Concrete

Test Results

Description	Results		
Test number	Samle 1	Sample 2	Sample 3
Diameter of Dolly (mm)	20	20	20
Test position	Vertical	Vertical	Vertical
Pull off strength (N/mm ²)	2.2	1.7	2.1
Average pull off strength (N/mm ²)	2.0		



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Test Report on Bond Strength test to concrete

Customer Name	SCIB Paints
	6 th of October city ,Egypt
Sample name	DB2K 500
Test Method	ASTM D C794
Test type	Type 5- self Aligning Tester
Dry Film Thickness	150μ
Room Temperature	23 C
Room Relative Humidity	50%
Test description	Bond Strength test was carried out between old Concrete and DB2K 500 after 28 days cured

Test Results

Test	Results		
Bond Strength test (N/mm2)	Sample 1	Sample 2	Average
	6.2	6.8	6.5
Recommendation			pass

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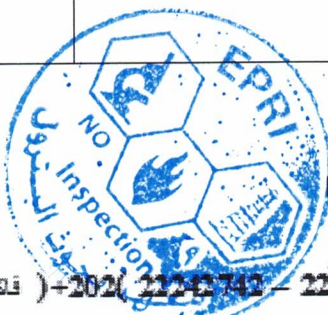
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The Report on Flexural Strength

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	DB2K 500
Test Method	ASTM C580-18
Dimension of specimen (mm)	50x 50x 50
Rate of Load	40 MPa/minutes
Room Temperature	23 C
Room Relative Humidity	50%
Age of Specimen	28 Days

Test Results

Sample length(mm)	Width (mm)	Thickness (mm)	Max. Load KN	Flexure strength (N/mm2)
230	25	25	42	9.1
230	25	25	45	9.8
230	25	25	43	9.5
Average Flexural Strength			9.4 (N/mm2)	



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The Report on Compressive Strength

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	DB2K 500
Test Method	ASTM C109
Dimension of specimen (mm)	50x 50x 50
Rate of Load	40 MPa/minutes
Room Temperature	23 C
Room Relative Humidity	50%
Age of Specimen	28 Days

Test Results

Description	Results		
Test number	Samle 1	Sample 2	Sample 3
Max. Load KN	83	77	79
Compressive strength N/mm ²	31.5	30.8	32.1
Average compressive strength N/mm ²	31.5		



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The Report on Flexural Strength

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	DB2K 500
Test Method	ASTM C580-18
Dimension of specimen (mm)	50x 50x 50
Rate of Load	40 MPa/minutes
Room Temperature	23 C
Room Relative Humidity	50%
Age of Specimen	7Days

Test Results

Sample length(mm)	Width (mm)	Thiickness (mm)	Max. Load KN	Flexture strength (N/mm2)
230	25	25	19	4.1
230	25	25	21	4.5
230	25	25	23	4.9
Average Flexural Strength		4.5 (N/mm2)		



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The Report on Compressive Strength

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	DB2K 500
Test Method	ASTM C109
Dimension of specimen (mm)	50x 50x 50
Rate of Load	40 MPa/minutes
Room Temperature	23 C
Room Relative Humidity	50%
Age of Specimen	7Days

Test Results

Description	Results		
Test number	Samle 1	Sample 2	Sample 3
Max. Load KN	33	29	28
Compressive strength N/mm ²	13.2	11.5	11.3
Average compressive strength N/mm ²	12		



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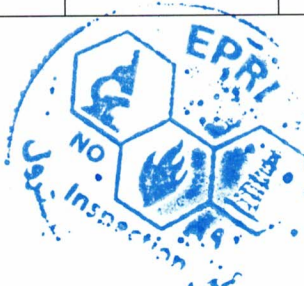
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Test Report on Positive hydrostatic water pressure

Customer Name	SCIB Paints 6 th of October city ,Egypt
Sample name	DB2K 500
Test Method	DIN 1048
Conditioning procedure	72 hours in autoclave under 1bar. and solution contain 1% NaCl + fraction of oil
Room Temperature	23 C
Room Relative Humidity	48%

Test Results

Test	Results		
Positive hydrostatic water pressure	Sample 1	Sample 2	Average
Depth of penetration	0.0	0.0	0.0
Recommendation	pass	pass	pass



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