



TEST REPORT ON PULL-OFF ADHESION STRENGTH

Client	Asian Paints Middle East LLC P.O box: 462 Sultanate of Oman		
Project Name	N.G	Lab Report No.	WD-R-230605-0089/1
Sample Description	Ultima Essence	Request No.	WD-Q-230605-0035
Source	Asian Paints Middle East LLC	Sample No.	WD-S-230605-0080
Test Method	ASTM D4541 – 22	Wimpey Ref No	050623109
Machine Details	Manufacturer: Elcometer Model: 510-50T Serial Number: WA 22213	Date Received	05/06/2023
Test Temperature & Relative Humidity	25°C & 50%	Casting Date	06/06/2023
Adhesive Used	Two component Adhesive	Date Tested	13/06/2023
Conditioning Procedure	7 days at 23°C & 50% RH	Date Reported	20/06/2023
Tested By	PK	Substrate Used	Concrete

Test Procedure

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

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

The pull-off strength is computed based on the maximum indicated load

Description	RESULTS		
	1	2	3
Test Number	1	2	3
Test Position	Vertical	Vertical	Vertical
Diameter of Dolly (mm)	20	20	20
Max. Load Applied (N)	791	788	675
Pull off Strength (N/mm ²)	2.52	2.51	2.15
Average Pull off Strength (N/mm ²)	2.39		
Mode of Failure	100 %Failure observed from Sample		

Remarks: None

Signed for and on behalf of Wimpey Laboratories L.L.C

S. Sarath Kumar
Head of Department

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TEST REPORT ON SPECIFIC GRAVITY

Client	Asian Paints Middle East LLC P.O box: 462 Sultanate of Oman		
Sample Description	Ultima Essence	Lab Report No.	WD-R-230605-0089/2
Client Reference	N.G	Request No.	WD-Q-230605-0035
Source	Asian Paints Middle East LLC	Sample No.	WD-S-230605-0080
Test Method	ASTM D1475-13(2020)	Date Received	05/06/2023
Test Temperature	23°C	Date Tested	06/06/2023
Relative Humidity	50%	Date Reported	20/06/2023
Wimpey Ref No	050623109	Tested By	PK

Test Results

Test	Unit	Result
Specific Gravity	g/cc	1.54

Remarks: None

Signed for and on behalf of Wimpey Laboratories L.L.C

S.Sarath Kumar
Head of Department

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TEST REPORT ON SCRUB RESISTANCE

Client	Asian Paints Middle East LLC P.O box: 462 Sultanate of Oman		
Sample Description	Ultima Essence	Lab Report No.	WD-R-230605-0089/3
Client Reference	N.G	Request No.	WD-Q-230605-0035
Source	N.G	Sample No.	WD-S-230605-0080
Test Method	ASTM D2486-17	Date Received	05/06/2023
Conditioning Procedure	23°C and 50% Humidity	Date Tested	13/06/2023
Wimpey Ref No	050623109	Date Reported	20/06/2023
Relative Humidity	50%	Room Temperature	23°C
Sample bought in by	Client	Tested By	PK

Test Result

Test	Result
Scrub Resistance	Passed 8700 scrub cycles

Remarks: None.

Signed for and on behalf of Wimpey Laboratories LLC

Visakh S Nair
Laboratory Manager

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TEST REPORT ON VOLUME SOLIDS

Client	Asian Paints Middle East LLC P.O box: 462 Sultanate of Oman		
Project Name	N.G	Lab Report No.	WD-R-230605-0089/4
Sample Description	Ultima Essence	Request No.	WD-Q-230605-0035
Source	Asian Paints Middle East LLC	Sample No.	WD-S-230605-0080
Client's Ref.	N.G	Date Received	05/06/2023
Test Method	ASTM D2697-22	Date Tested	06/06/2023
Test Method for determining density of liquid coating	ASTM D1475-17	Date Reported	20/06/2023
Receptacle Used	Plate	Cast Date	06/06/2023
Immersion Liquid Used	Distilled Water	Room Temperature	23°C
Type of Air oven used	Hot Air oven	Relative Humidity	50%
Method of Coating Receptacle	By Dipping	Sample brought in by	Wimpey Lab
Drying Type	1 Hour Flash Drying	Tested By	PK
Wimpey Ref No	050623109		

Test Results

Specimen Number	Unit	Result
1	%	57.35
2		56.61
Average		57.48

Remarks: None.

Signed for and on behalf of Wimpey Laboratories L.L.C.

S.Sarath Kumar
Head of Department

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TEST REPORT ON CRACK BRIDGING ABILITY

Client	Asian Paints Middle East LLC P.O box: 462 Sultanate of Oman		
Project Name	N.G	Lab Report No.	WD-R-230605-0089/5
Sample Description	Ultima Essence	Request No.	WD-Q-230605-0035
Source	Asian Paints Middle East LLC	Sample No.	WD-S-230605-0080
Test Specification	EN 1062-1:2004	Wimpey Ref No	050623109
Test Method	EN 1062-7:2004	Date Received	05/06/2023
Nature of Substrate	Concrete	Casting Date	06/06/2023
Substrate Dimension(mm)	50 W x 75 L	Date Tested	13/06/2023
No. of coat & Method of application	2 Coat, Brush	Date Reported	20/06/2023
Test Condition	Temperature: 23°C Relative Humidity: 50%	Tested By	PK

Test Results

Test	Crack Width (mm)	Observation
Crack Bridging Ability	1.54	No sign of cracks, loss of adhesion or any other type of failure was observed after completion of the up and down movement.

Remarks: None.

Signed for and on behalf of Wimpey Laboratories L.L.C


S. Sarath Kumar
Head of Department

Test results relate only to the samples tested

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TEST REPORT ON WATER VAPOUR TRANSMISSION

Client	Asian Paints Middle East LLC P.O box: 462 Sultanate of Oman		
Sample Description	Ultima Essence	Lab Report No.	WD-R-230605-0089/6
Source	Asian Paints Middle East LLC	Request No.	WD-Q-230605-0035
Test Method	ISO 7783:2018	Sample No.	WD-S-230605-0080
Temperature in Test Chamber	23°C	Wimpey Ref No	050623109
Relative Humidity in Test Chamber	50%	Date Received	05/06/2023
Test Area	33.18 cm ²	Date Tested	13/06/2023-14/06/2023
Total Cycles	Continuous mode up to constant	Date Reported	06/07/2023
Sample Reference	N.G	Room Temperature	23°C
Specimen Thickness	500 microns	Room Relative Humidity	50%
Sample Brought in by	Wimpey Lab	Tested By	PK

Test Results

Test	Unit	Specimen 1	Specimen 2	Specimen 3	Average
Water Vapor Transmission (WVT)	g/m ² /24hours	74.7067	75.6966	86.5846	78.995
Water Vapour Diff. Resistance Coeff (μ value)	-	546.0	538.0	470.0	518.0
Equivalent Air layer thickness (sd value)	m	0.273	0.269	0.235	0.259
Actual Dry Film Thickness	Microns	500	500	500	500
Class as per EN 1062-1	V ₂ (Medium)				

Standard specification as per BS EN 1062-1:2004		
Class	Water Vapour Transmission Rate V, (g/m ² /24 hours)	Equivalent Air Layer thickness in meter, Sd Value (m)
V ₁ (High)	>150	<0.14
V ₂ (Medium)	150 to 15	0.14 to 1.4
V ₃ (Low)	<15	>1.4

Remarks: None.

Signed for and on behalf of Wimpey Laboratories L.L.C


S. Sarath Kumar
Head of Department



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TEST CERTIFICATE

Asian Paints Middle East LLC
P.O box: 462
Sultanate of Oman

Report No: WD-R-230605-0047 Rev 01
Sample No: WD-S-230605-0046
Date of Report: 05/07/2023

Introduction: As per the request received from **M/s. Asian Paints Middle East LLC** on 06th June 2023, the sample of paint was tested for Carbon Dioxide Permeability as per BS EN 1062-6:2002 Method A.

Sample Type : Paint
Sample Request No. : WD-Q-230605-0024
Sample Received Date : 06/06/2023
Date of Test : 06/06/2023-05/07/2023
Tested By : AP/VP

General Information

Name of the Product : Ultima Essence

Carbon Dioxide Permeability

The determination of the carbon dioxide permeability was carried out in accordance with BS EN 1062-6:2002 Method A "Paints and varnishes – Coating materials and coating systems for exterior masonry and concrete – Part 6: Determination of Carbon dioxide permeability" via Gravimetric method (Method A).

The coating system was rolled upon unglazed tile of area 100cm², which is exposed to the measuring gas, and the diffused carbon dioxide is determined quantitatively. Three test specimens were prepared for determination. Store the test specimens in the standard atmosphere as defined in BS EN 23270 (23±2°C and 50±5%) was placed in a separate conditioning container for 7 days. Afterwards, condition the test specimen at a temperature of 70°C for 7 days and kept at standard atmosphere for 24 hrs. The test specimen seals with a test cell containing an absorbent for carbon dioxide so that the cell is gas-tight to the surroundings. The test cell is kept in a dry carbon dioxide atmosphere at 23±2°C and weighed at regular intervals. The carbon dioxide permeability was calculated from the increase of mass. The determination was completed when a steady state is reached.

For control purposes, a standard reference film of known diffusion resistance number was measured in each series of determinations. The test specimens have been tested until the mass increase of the test cell remains constant during two subsequent intervals.



Test Results

Test	Method	Unit	Result
Specimen thickness	BS EN 1062-6:2002 Method A	µm	500
Average carbon dioxide permeability		g/m ² .d	0.275
Diffusion equivalent air layer thickness in meters (S _D)		m	901.82
Diffusion resistance number		-	1.80x10 ⁶
Carbon dioxide diffusion coefficient of the coating		cm ² .s ⁻¹	8.31x10 ⁻⁸
Diffusion equivalent thickness of concrete (SC)		cm	22.54
Classification of coating material and coating systems for exterior masonry and concrete	DIN EN 1062-1:2004-08	-	C1

Classification for Carbon dioxide Permeability as per EN 1062-1		
Class	Requirement	
	g/m ² .d	m
C ₀	No requirement	
C ₁	<5	>50

Notes

- Sc is calculated assuming an average grade concrete where the µ- value had been estimated at 400
- D_{CO2} for an uncoated plate is 1 X 10⁻³ cm².s⁻¹
- Carbon dioxide diffusion resistance: Class 1 (Classification in accordance with BS EN 1062-1:2004 & BS EN 1062-6:2002)
- Klopfers criterion for effective anti-carbonation coating is SD greater than 50 meters.

Remark: None

Signed for and on behalf of Wimpey Laboratories LLC

Varun Payyadakkath
Senior Chemist

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	Document Title:	TEST REPORT SOLAR REFLECTANCE INDEX (SRI) OF MATERIALS	عنوان الوثيقة:	بلدية دبي Dubai Municipality
	Doc. Ref. :	DM-DCLD-F-IBL-0100	رقم الوثيقة:	

INFRASTRUCTURE AND BUILDING MATERIALS LABORATORIES SECTION

Report No:	745558	Request No:	EMTX-2024-0021335
Project No:	CF-295	Report Date:	30/05/2024 02:37PM
Project Name:	BERGER PAINTS EMIRATES LTD CO LLC		
Consultant:	DUBAI MUNICIPALITY		
Contractor:	BERGER PAINTS EMIRATES LTD CO (L.L.C)		
Location: *	BERGER PAINTS LAB		
Source: *	BERGER PAINTS EMIRATES LTD.CO(L.L.C)- DUBAI		
Sample Description: *	PAINT		
Product Name: *	ULTIMA ESSENCE		
Sampling Date/Time: *	06/05/2024 10:50AM	Lot/Batch/Coil/Heat No.*	A1-LAB/ESS/1
Receiving Date/Time:	22/05/2024 09:37AM	Lot Size: *	1 kilogram
Sample Size /Quantity:	1 kilogram	Sender No:	LL0657
Material/Mix Type: *	NA	Laying Date/Production Date: *	NA
Nominal Size / Working Block Size (mm) : 150 X 150			

TEST RESULTS

PARAMETER	RESULTS
SURFACE TEXTURE	ROUGH (TEXTURE)
SPECIMEN THICKNESS (mm)	NG
TEST CONDITION	23+/-2Degree, 50+/-5% RH
SPECIMEN NO.	1,2,3
Solar Reflectance (%) as per ASTM C 1549	83.6
Emittance (e) As Per ASTM C1371	0.84
Standard Deviation of Reflectance	0.0040
Standard Deviation of Emittance	0.0050
Solar Reflectance Index (SRI) for Low Wind (0 to 2 m/s)	103.22
Solar Reflectance Index (SRI) for Medium Wind (2 to 6 m/s)	103.63
Solar Reflectance Index (SRI) for High Wind (6 to 10 m/s)	103.98



Sampled By:	DM REPRESENTATIVE/LINOM. LINGAO	Tested By:	SSRAJU
Sampled Brought By:	CLIENTREPRESENTATIVE/SHIROUZSHARAFUDDEE	Testing Date:	22/05/2024 09:37AM
Sampling Method:	SAMPLING AS PER THE RELEVANT SPECIFIC RULES	Sampling Report No:	NA
Test Method:	ASTM E1980-11(2019)	Test Method Variation:	NIL

Remarks:	CUSTOMER PERFORMED SAMPLING AND PROVIDED THE SAMPLE; THE RESULTS APPLY ONLY TO THE SAMPLE AS RECEIVED AND TESTED. - SOLAR REFLECTANCE MEASURED UNDER THE AIR MASS 1.5
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 حكومة دبي GOVERNMENT OF DUBAI	Document Title:	TEST REPORT SOLAR REFLECTANCE INDEX (SRI) OF MATERIALS	عنوان الوثيقة:	بلدية دبي Dubai Municipality 
	Doc. Ref. :	DM-DCLD-F-IBL-0100	رقم الوثيقة:	

INFRASTRUCTURE AND BUILDING MATERIALS LABORATORIES SECTION

Report No:	745558	Request No: EMTX-2024-0021335
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Document Title:

Determination of Lead , Arsenic, Cadmium and Mercury by ICP-OES

عنوان الوثيقة:



Doc. Ref. :

DM-DCLD-F-IBL-0100

رقم الوثيقة:

INFRASTRUCTURE AND BUILDING MATERIALS LABORATORIES SECTION

Report No:	746089	Request No:	EMTX-2024-0021335
Project No:	CF-295	Report Date:	31/05/2024 10:56AM
Project Name:	BERGER PAINTS EMIRATES LTD CO LLC		
Consultant:	DUBAI MUNICIPALITY		
Contractor:	BERGER PAINTS EMIRATES LTD CO (L.L.C)		
Location: *	BERGER PAINTS LAB		
Source: *	BERGER PAINTS EMIRATES LTD.CO(L.L.C)- DUBAI		
Sample Description: *	PAINT		
Product Name: *	ULTIMA ESSENCE		
Sampling Date/Time: *	06/05/2024 10:50AM	Lot/Batch/Coil/Heat No.*	A1-LAB/ESS/1
Receiving Date/Time:	21/05/2024 12:58PM	Lot Size: *	1 kilogram
Sample Size /Quantity:	1 kilogram	Sender No:	LL0657
Material/Mix Type: *	NA	Laying Date/Production Date: *	NA
Nominal Size / Working Block Size (mm) : 150 X 150			

TEST RESULTS

PARAMETER	RESULTS		
Arsenic(As) Concentration in sample Digestate or Extract (mg/Kg)	<17		
Cadmium (Cd) Concentration in sample Digestate or Extract (mg/Kg)	<13		
Lead(Pb) Concentration in sample Digestate or Extract (mg/Kg)	<16		
Mercury(Hg) Concentration in sample Digestate or Extract (mg/Kg)	<36		
SPECIFICATION LIMIT *	NG		
SAMPLE PREPARATION PROCEDURE(S) USED	ASTM E1645 / ISO 6713		
Sampled By:	DM REPRESENTATIVE/LINOM. LINGAO	Tested By:	AKALLUVETTY
Sampled Brought By:	CLIENTREPRESENTATIVE/SHIROUZSHARAFUDDEE	Testing Date:	21/05/2024 12:58PM
Sampling Method:	SAMPLING AS PER THE RELEVANT SPECIFIC RULES	Sampling Report No:	NA
Test Method:	ASTM E3203-21/ DM-DCLD-RLP-IBL-3007	Test Method Variation:	NIL
Remarks:	CUSTOMER PERFORMED SAMPLING AND PROVIDED THE SAMPLE; THE RESULTS APPLY ONLY TO THE SAMPLE AS RECEIVED AND TESTED.		

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INFRASTRUCTURE AND BUILDING MATERIALS LABORATORIES SECTION

Report No:

746089

Request No: EMTX-2024-0021335

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	Organization/Unit:	إدارة مختبر دبي المركزي Dubai Central Laboratory Department	الوحدة التنظيمية:	
	Document Title:	TEST REPORT FORMALDEHYDE CONTENT OF WATER REDUCIBLE AIR-DRY COATINGS	عنوان الوثيقة:	
	Doc. Ref. :	DM-DCLD-F-IBL-0100	رقم الوثيقة:	

INFRASTRUCTURE AND BUILDING MATERIALS LABORATORIES SECTION

Report No:	746000	Request No:	EMTX-2024-0021335
Project No:	CF-295	Report Date:	31/05/2024 10:06AM
Project Name:	BERGER PAINTS EMIRATES LTD CO LLC		
Consultant:	DUBAI MUNICIPALITY		
Contractor:	BERGER PAINTS EMIRATES LTD CO (L.L.C)		
Location: *	BERGER PAINTS LAB		
Source: *	BERGER PAINTS EMIRATES LTD.CO(L.L.C)- DUBAI		
Sample Description: *	PAINT		
Product Name: *	ULTIMA ESSENCE		
Sampling Date/Time: *	06/05/2024 10:50AM	Lot/Batch/Coil/Heat No.*	A1-LAB/ESS/1
Receiving Date/Time:	21/05/2024 12:58PM	Lot Size: *	1 kilogram
Sample Size /Quantity:	1 kilogram	Sender No:	LL0657
Material/Mix Type: *	NA	Laying Date/Production Date: *	NA
Nominal Size / Working Block Size (mm) : 150 X 150			

TEST RESULTS

PARAMETER	RESULTS		
Formaldehyde Concentration (ppm)	<10		
SPECIFICATION LIMIT *	NG		
Sampled By:	DM REPRESENTATIVE/LINOM. LINGAO	Tested By:	AKALLUVETTY
Sampled Brought By:	CLIENTREPRESENTATIVE/SHIROUZHARAFUDDEE	Testing Date:	21/05/2024 12:58PM
Sampling Method:	SAMPLING AS PER THE RELEVANT SPECIFIC RULES	Sampling Report No:	NA
Test Method:	ASTM D6191-97(R2021)	Test Method Variation:	NIL
Remarks:	CUSTOMER PERFORMED SAMPLING AND PROVIDED THE SAMPLE; THE RESULTS APPLY ONLY TO THE SAMPLE AS RECEIVED AND TESTED.THIS TEST METHOD IS CHOSEN BY CUSTOMER		

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INFRASTRUCTURE AND BUILDING MATERIALS LABORATORIES SECTION

Report No:	746385	Request No:	EMTX-2024-0021335
Project No:	CF-295	Report Date:	03/06/2024 07:53AM
Project Name:	BERGER PAINTS EMIRATES LTD CO LLC		
Consultant:	DUBAI MUNICIPALITY		
Contractor:	BERGER PAINTS EMIRATES LTD CO (L.L.C)		
Location: *	BERGER PAINTS LAB		
Source: *	BERGER PAINTS EMIRATES LTD.CO(L.L.C)- DUBAI		
Sample Description: *	PAINT		
Product Name: *	ULTIMA ESSENCE		
Sampling Date/Time: *	06/05/2024 10:50AM	Lot/Batch/Coil/Heat No.*	A1-LAB/ESS/1
Receiving Date/Time:	21/05/2024 12:58PM	Lot Size: *	1 kilogram
Sample Size /Quantity:	1 kilogram	Sender No:	LL0657
Material/Mix Type: *	NA	Laying Date/Production Date: *	NA
Nominal Size / Working Block Size (mm) : 150 X 150			

TEST RESULTS

PARAMETER	RESULTS		
Mass of soluble Hexavalent Chromium content of the pigment portion of the paint as per Sub-Clause 8.2.3 of ISO 6713 (%)	<0.004		
Pigment separation ISO6713 Cl.6 A,B or C	Method B		
Extraction Solvent used	ACETONE		
SPECIFICATION LIMIT *	NG		
Sampled By:	DM REPRESENTATIVE/LINOM. LINGAO	Tested By:	AKALLUVETTY
Sampled Brought By:	CLIENTREPRESENTATIVE/SHIROUZSHARAFUDDEE	Testing Date:	21/05/2024 12:58PM
Sampling Method:	SAMPLING AS PER THE RELEVANT SPECIFIC RULES	Sampling Report No:	NA
Test Method:	BS 3900-B10 : 1986 / ISO 3856-5 : 1984	Test Method Variation:	NIL
Remarks:	CUSTOMER PERFORMED SAMPLING AND PROVIDED THE SAMPLE; THE RESULTS APPLY ONLY TO THE SAMPLE AS RECEIVED AND TESTED.THIS TEST METHOD IS CHOSEN BY CUSTOMER.		

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INFRASTRUCTURE AND BUILDING MATERIALS LABORATORIES SECTION

Report No:

746385

Request No: EMTX-2024-0021335

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Document Title:	TEST REPORT VOC CONT.OF PAINTS & RELATED COATINGS BY DIFF. METHOD	عنوان الوثيقة:	بلدية دبي Dubai Municipality
Doc. Ref. :	DM-DCLD-F-IBL-0100	رقم الوثيقة:	

INFRASTRUCTURE AND BUILDING MATERIALS LABORATORIES SECTION

Report No:	747621	Request No:	EMTX-2024-0021335
Project No:	CF-295	Report Date:	04/06/2024 12:38PM
Project Name:	BERGER PAINTS EMIRATES LTD CO LLC		
Consultant:	DUBAI MUNICIPALITY		
Contractor:	BERGER PAINTS EMIRATES LTD CO (L.L.C)		
Location: *	BERGER PAINTS LAB		
Source: *	BERGER PAINTS EMIRATES LTD.CO(L.L.C)- DUBAI		
Sample Description: *	PAINT		
Product Name: *	ULTIMA ESSENCE		
Sampling Date/Time: *	06/05/2024 10:50AM	Lot/Batch/Coil/Heat No.*	A1-LAB/ESS/1
Receiving Date/Time:	21/05/2024 12:58PM	Lot Size: *	1 kilogram
Sample Size /Quantity:	1 kilogram	Sender No:	LL0657
Material/Mix Type: *	NA	Laying Date/Production Date: *	NA
Nominal Size / Working Block Size (mm) : 150 X 150			

TEST RESULTS

PARAMETER	RESULTS		
VOC content in g/L, of the product "ready for use" (Clause 8.3)	<1		
SPECIFICATION LIMIT *	NG		
Sampled By:	DM REPRESENTATIVE/LINOM. LINGAO	Tested By:	AKALLUVETTY
Sampled Brought By:	CLIENTREPRESENTATIVE/SHIROUZSHARAFUDDEI	Testing Date:	21/05/2024 12:58PM
Sampling Method:	SAMPLING AS PER THE RELEVANT SPECIFIC RULES	Sampling Report No:	NA
Test Method:	BS EN ISO 11890-1 : 2007	Test Method Variation:	NIL
Remarks:	CUSTOMER PERFORMED SAMPLING AND PROVIDED THE SAMPLE, DENSITY VALUE HAS BEEN TAKEN FROM CUSTOMER PROVIDED DATA,THE RESULTS APPLY ONLY TO THE SAMPLE AS RECEIVED AND TESTED.EXEMPT COMPOUNDS NOT CALCULATED. THIS TEST METHOD IS CHOSEN BY CUSTOMER.		

Disclaimer : * Information is supplied by the customer and Laboratory is not responsible for this data.

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INFRASTRUCTURE AND BUILDING MATERIALS LABORATORIES SECTION

Report No:

747621

Request No: EMTX-2024-0021335

*** END OF REPORT ***

This report is computer approved and authorized by In Charge of Lab and does not require any signature.



LB-TEST-014

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Date of Issue :

26/04/2024

Rev No. : 5

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TEST REPORT ON PERMEABILITY TO WATER

Client	Berger Paints Emirates LTD Co LLC P.O Box: 27524 Dubai, UAE		
Sample Description	Ultima Essence	Lab Report No.	WD-R-250108-0027/1
Source	N.G	Sample No.	WD-S-250108-0361
Test Method	BS EN 1062-3:2008	Request No.	WD-Q-250108-0009
Room Condition	23°C & 50% R.H	Date Received	08/01/2025
Sample Brought in by	Wimpey Lab	Date Tested	21/01/2025
Wimpey Ref No.	250108004	Date Reported	24/01/2025
Tested By	VIN		

Permeability To Water

Sample Reference	Unit	Result	Class
WD-S-250108-0361	Kg/m ² -h ^{0.5}	0.0696	W ₃

Classification in accordance with EN 1062-1:2004

Classification		Liquid water transmission value (kg/m ² -h ^{0.5})
W ₀	-	No Requirement
W ₁	High	>0.5
W ₂	Medium	≤0.5 & >0.1
W ₃	Low	≤0.1

Remarks: None.

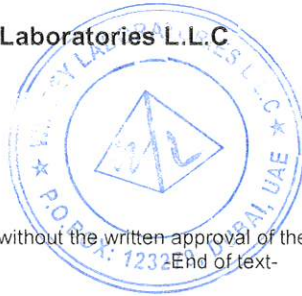
Signed for and on behalf of Wimpey Laboratories L.L.C

S.Sarath Kumar
Head of Department

Test results relate only to the samples tested.

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End of text-





TEST REPORT ON CRACK BRIDGING ABILITY

Client	Berger Paints Emirates LTD CO (LLC)		
Product Name	Ultima Essence	Lab Report No.	WD-R-250114-0071
Client's Ref.	N.G	Sample No.	WD-Q-250114-0666
Substrate Dimension(mm)	152 L x 76 W	Request No.	WD-S-250114-0019
Source	N.G	Wimpey Ref. No.	250114008
Test Method	ASTM C1305/C1305M-16(2023)	Date Received	14/01/2025
Test Specification	ASTM C836/C836M-18(2022)	Date Tested	06/02/2025
Sampling Conditioning	Temperature: 23°C Relative Humidity: 50%	Date Reported	12/02/2025
Sample ID	N.G	No. of coat & Method of application	2 Coat
Coating Thickness	500 microns	Test Condition	Temperature: 20°C Relative Humidity: 50%
Tested By	VIN		

Test Results

Test	Crack width (mm)	Observation
Crack Bridging Ability	1.83	No sign of cracks, loss of adhesion or any other type of failure was observed up to 1.83 mm

Remarks: None.

Signed for and on behalf of Wimpey Laboratories L.L.C.

S.Sarath Kumar
Head of Department

Test results relate only to the samples tested.

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