



TEST REPORT ON WET SCRUB RESISTANCE

Client	Berger Paints Emirates LTD Co (LLC)		
Sample Description	Weathercoat Ultra	Lab Report No.	WD-R-250411-0511/2
Source	Berger Paints Emirates LTD CO (LLC)	Lab Request No.	WD-Q-250411-0091
Test Method	ISO 11998:2006	Sample No.	WD-S-250411-1175
Test Temperature	23°C & 50% RH	Date Received	11/04/2025
Tested Location	Wimpey-Dubai	Casting Date	18/04/2025
Coating Thickness	200 µm	Date Tested	30/04/2025
No. of Cycles	200 Cycles	Date Reported	12/05/2025
Wimpey Ref No.	250411004	Tested By	VIN

Test Results (Wet Scrub Resistance)

Area traversed by the scrub pad: 0.013m²

Test	Result	
Wet Scrub Resistance	Mean loss in thickness (µm)	1.46
	Assessment of wet scrub resistance	200 Cycles- Pass

Test Results (Cleanability)

Test	Result
Cleanability	Satisfactory

Remarks: None.

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

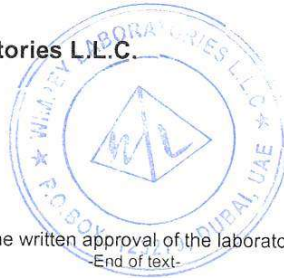

S. Sarath Kumar

Laboratory Manager

Test results relate only to the samples tested.

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Test Report on Depth of Penetration of Water Under Pressure

Client	: BERGER PAINTS EMIRATES LTD CO (L.L.C)	Report No.	: WD-R-251121-0095/1
Project	: N.G	Request No.	: WD-Q-251121-0021
Product Name	: Weathercoat Ultra	Sample No.	: WD-S-251121-0416
Contractor	: N.G	Wimpey Ref. No.	: SH-056637
Consultant	: N.G	Date Test Started	: 04/12/2025
Client Reference	: N.G	Date Test Completed	: 07/12/2025
Sample id	: N.G	Date Reported	: 09/12/2025
Date of Sampling	: N.G	Sampling Method	: N/A
Sample Received Date	: 21/11/2025	Lot Size m3	: N.G
Curing / Storage (Lab)	: N.A	Lot No.	: N.G
Moisture Condition	: N.A	Slump Measure mm	: N.G
Test Method Variation	: None	Sample size mm	: N.G
Specification Strength	: N.G	Age of Coating	: N/A
Location	: In House	Duration of test	: 72Hours
Method of Surface Treatment:	N.A	Pressure Applied	: 7 Bar
Surface Treatment Done By:	Wimpey Lab	Tested by	: MAH
Test Method	: BS EN 12390-8		
Coating System	: 50 Microns DFT at 2 Coats		

Test Results

Sample Reference	Specimen 1	Specimen 2
Client's Reference	N.G	N.G
Appearance of Specimen	Good	Good
Direction of application of water pressure with respect to the casting direction	Normal	Normal
Observation of presence of water leakage on the surface of sample during test	Nil	Nil
Water Penetration Depth (Maximum) (mm)	Nil	Nil

Remarks: Sample applied on the concrete surface.

Legends: N.A. = Not applicable, N.G.= Not Given

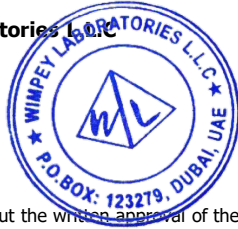
Signed for and on behalf of Wimpey Laboratories L.L.C

S.Sarath Kumar
Laboratory Manager

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ميديل ايست لخدمات الفحص ذ.م.م.
Middle East Testing Services L.L.C.

TEST REPORT

Report No.: MR-010524-140-B

Client / Establishment : M/s. Berger Paints Emirates Ltd Co. (LLC.)
Al Quoz Industrial Area-1,
Opp. TCTI Factory, PO Box: 27524
Dubai, United Arab Emirates

Sample ID : MS-010524-147
Sample Receiving Date : 01/05/2024
Reporting Date : 22/08/2024
Date of Analysis : 01/05/2024 - 21/08/2024
Tested by : JK
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : WEATHERCOAT ULTRA

Test Result:

Water Spotting of Emulsion

Test Method: ASTM D1793-23

Test duration: 1hr after water retention + 1hr after wiping with dry cloth

Dry film thickness: 120µm

Test reagent: water

Test condition: 23°C & 50% R.H.

Parameter	Test Method	Unit	Result
Dynamic test	ASTM D1793-23	-	No significant observation (Good water spotting resistance)
Static test			No significant observation (Good water spotting resistance)

Note: No traceability details were provided by client.

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 110



Verified by

Assistant Laboratory Manager
Employee Code: METS AJ EC 103

The above test results are only applicable to the sample (s) referred above. This report shall not be reproduced except in full, without the written approval of METS laboratory.

For further clarification of reports, please contact qc@metslab.com

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Form MRF 40 Issue No:2



ميديل ايسست لخدمات الفحص Middle East Testing Services

TEST REPORT

Report No.: MR-141023-083 Rev.01

Client / Establishment : M/s. Berger Paints Emirates Ltd Co. (LLC)
Al Quoz Indl Area-1, Opp TCTI factory, P O Box: 27524
Dubai, UAE

Sample ID : MS-141023-130
Sample Receiving Date : 14/10/2023
Reporting Date : 15/12/2023
Testing Date : 14/10/2023-02/11/2023
Tested by : YA
Issue No : 02 (Re-Issue Date: 09/03/2024)

Sample Information:

Sample Description : Weathercoat Ultra

Test Results:

Water transmissibility

Test Method: EN 1062-3:2008
Curing period: 7 Days

Water applied period: 24Hours
DFT: 150 μ m

Test Parameter	Unit	Result
Water transmissibility	Kg/(m ² ×h ^{0.5})	0.098

Note: (i) No traceability details were provided by the client.
(ii) Test Location: Ajman

Prepared by


Chemist

Material Science Division (MSD)
Employee Code: METS AJ EC 180

Verified by



Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 110

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TEST REPORT ON WATER VAPOUR TRANSMISSION

Client Name	Berger Paints Emirates LTD Co LLC		
Sample Description	Weathercoat Ultra	Lab Report No.	WD-R-250714-0032
Source	Berger Paints Emirates	Request No	WD-Q-250714-0019
Test Method	ISO 7783:2018	Sample No.	WD-S-250714-0837
Temperature in Test Chamber	23°C	Wimpey Ref No.	250714005
Relative Humidity in Test Chamber	50%	Date Received	14/07/2025
Test Area	33.18cm ²	Date Tested	23/07/2025-26/07/2025
Total Cycles	Continues up to constant	Date Reported	26/07/2025
Method of Application	By Brush	Room Temperature	23°C
Sample Brought in by	Wimpey Lab	Room Relative Humidity	50%
Specimen Thickness	112 microns	Tested By	IJM

Test Results

Test	Unit	Specimen 1	Specimen 2	Specimen 3	Average
Water Vapor Transmission Rate	g/m ² /24hours	132.3	131.8	134.5	132.9
Water Vapour Diff. Resistance Coeff (μ value)	-	1172.5	1171.1	1173.3	1172.3
Equivalent Air layer thickness (S _d value)	m	0.1342	0.1341	0.1341	0.1341
Actual Dry Film Thickness	Microns	112	112	112	112
Water diffusion coefficient	cm ² /s	2.13 X 10 ⁻⁴	2.14 X 10 ⁻⁴	2.13 X 10 ⁻⁴	2.13 X 10 ⁻⁴
Class as per EN 1062-1	V1 - High				

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, S _d 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 LLC

S.Sarath Kumar
Laboratory Manager

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میدیل ایست لخدمات الفحص Middle East Testing Services



TEST REPORT

Report No.: MR-010524-140-C

Client / Establishment : M/s. Berger Paints Emirates Ltd Co. (LLC.)
Al Quoz Industrial Area-1,
Opp. TCTI Factory, PO Box: 27524
Dubai, United Arab Emirates

Sample ID : MS-010524-147
Sample Receiving Date : 01/05/2024
Reporting Date : 22/08/2024
Date of Analysis : 01/05/2024 - 21/08/2024
Tested by : JK
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : WEATHERCOAT ULTRA

Test Result:

Determination of Water Vapor Transmission

Test Method: BSEN ISO 7783:2018

Test condition: 23°C & 50% R.H.

Dry film thickness: 120µm

Parameter	Test Method	Unit	Result	Class as per BSEN 1062-1:2004
Water Vapor Transmission Rate	BSEN ISO 7783:2018	g/m ² .d	23.12	Class V ₂ Medium
Diffusion equivalent air thickness, S _D value		m	0.88	
Water Vapour diffusion factor, µ		-	0.73 x 10 ⁴	

Classes for water vapour permeability(V)

Class	Requirement		
	V (g/m ² . D)	S _D (m)	
V ₀	No requirement		
V ₁	High	>150	<0.14
V ₂	Medium	≤150	≥0.14
V ₃	Low	>15	<1.4
		≤15	≥1.4

Note: No traceability details were provided by client.

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 110



Verified by

Assistant Laboratory Manager
Employee Code: METS AJ EC 103

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Form MRF 40 Issue No:2



LABORATORY REPORT

BERGER PAINTS EMIRATES LTD CO (L.L.C.)
Dubai, UAE

Report no. WD-R-250926-0049
Sample No. WD-S-250926-0322
Report Date. 26/09/2025

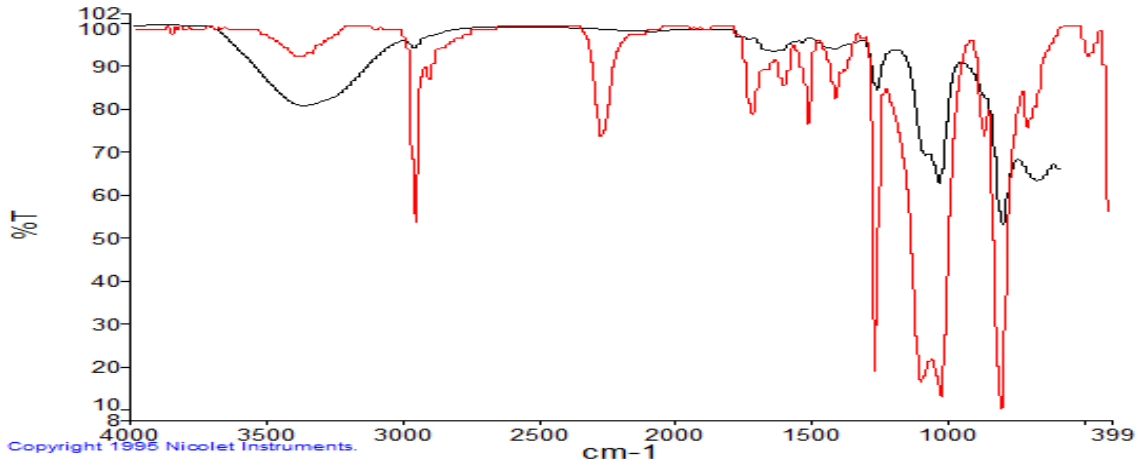
Introduction: Further to the request received from M/s. BERGER PAINTS EMIRATES LTD CO (L.L.C.) dated 26th September 2025, the sample of Paint was tested, and the results are as follows.

Sample Type : Weathercoat Ultra
Request No. : WD-Q-250926-0025
Sample Received Date : 26/09/2025
Date Tested : 26/09/2025
Tested By : AY

Result of FTIR Analysis

Index	Sample Name	Search Best Hit Description
1	Weathercoat Ultra	Polymethyl methacrylate

Spectra





Search Score	Search Reference Spectrum Description
0.598519	BINDEX 420
0.606522	Poly(acrylic acid) (nom mw: 5,000)
0.610964	Poly(acrylic acid) (nom mw: 4,000,000)
0.616778	TAMOL 165 DISPERSANT
0.622998	Poly(acrylic acid) (nom mw: 170,000)
0.626162	Poly(acrylic acid) (nom mw: 1,250,000)
0.636862	Poly(acrylic acid) (nom mw: 750,000)
0.639262	Poly(acrylic acid) (nom mw: 243,000)
0.840251	Poly(dimethylsiloxane) (n=60,000)
0.904892	Poly(dimethylsiloxane) (n=60,000 cps)
0.90599	Poly(dimethylsiloxane) (n=1,000 ctk)

Remarks: Based on the test results, the most probable material match is Polymethyl methacrylate; which is a pure acrylic composition.

Signed for and on behalf of Wimpey Laboratories LLC

Arya Rajeev
Senior Chemist

Test results relate only to the samples tested.

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Testing, calibrating, advising

REPORT OF TESTS

Description	One Sample of Paint		
Tested for	Berger Paints Emirates Ltd, P.O.Box.27524, Dubai - U.A.E		
Lab Report No.	WR14-06803 (Page 1 of 1)	Request No.	D14-03235
Date Received	26.06.2014	Date Reported	17.08.2014

Client's reference : Requisition dated 26.06.2014
Product name : Berger Penetrating Primer – 40 Microns
Weathercoat Ultra – 100 Microns
Source : Berger Paint
AFE No. : D14-03235/1

1.0 Introduction

Further to the test work instructions received from M/s. Berger Paints Emirates Ltd, Dubai, dated 26.06.2014, one sample of paint provided has been tested for the following by Al Futtaim Exova LLC;

2.0 Adhesion Strength

Test Method : The test was carried out in general accordance with ASTM D 4541 : 2002 using a portable adhesion tester.

The test procedure involved fixing a circular dolly over the test area using two part component adhesive. A partial depth circumferential cut was made over the test area.

After the adhesive had cured sufficiently the test was performed using the portable adhesion tester until failure occurred.

Test Ref. No.	1	2	3
Test position	Vertical	Vertical	Vertical
Pull off strength (N/mm ²)	1.5	1.5	1.5
Failure mode	Adhesive failure between the substrate & first layer (Primer)		



A. UMAR FAROOK
Quality Control & Consumer Products Manager

For and on behalf of Al Futtaim Exova (E.L.C)

Tested by: SSK, Date tested: 24.07.2014

Sampled by the client, certificate of sampling was not given.

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Samples will be retained for a period of one month only, unless otherwise requested.
The test results relate only to the samples tested.