



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.

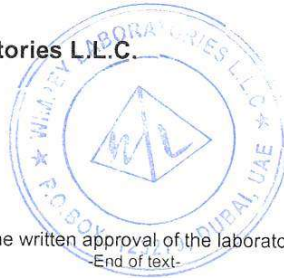

S. Sarath Kumar

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

[Signature]

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



Verified by

[Signature]

Assistant Laboratory Manager
Employee Code: METS AJ EC 103

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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

Test results relate only to the samples tested.

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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

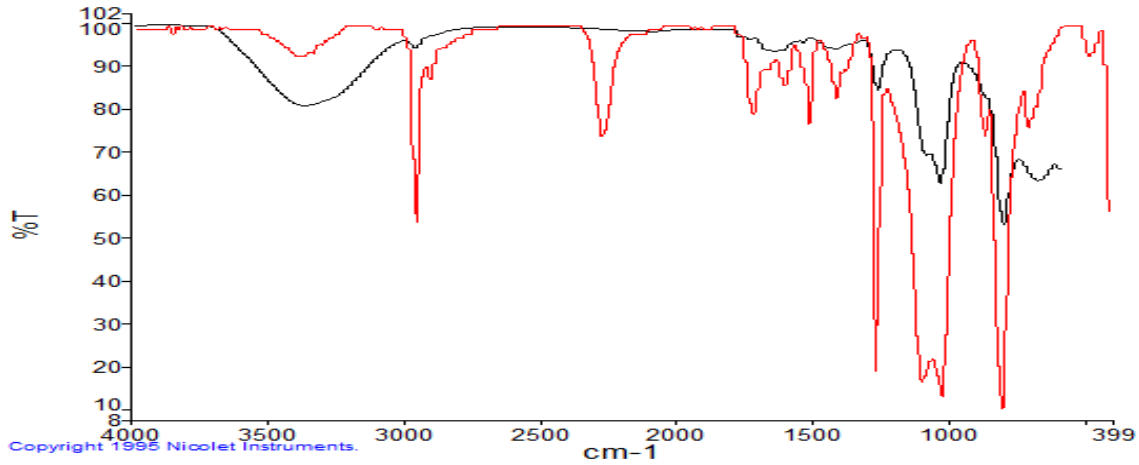
Introduction: Further to the request received from M/s. BERGER PAINTS EMIRATES LTD CO (L.L.C.) dated 26th September 2025, the sample of Paint was tested, and the results are as follows.

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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The test results relate only to the samples tested.



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TEST REPORT

Report No.: MR-010524-140-I

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 Absorption

Test Method: ASTM D570:2022

Test condition: 23°C & 50% R.H

Dry film thickness: 120µm

Parameter	Test Method	Unit	Result
Water Absorption	ASTM D570:2022	%	0.158

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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TEST REPORT ON DRYING TIME

Client	Berger Paints Emirates Ltd Co LLC P.O.Box:27524 Dubai,UAE.		
Project Name	N.A	Report No.	WD-R-240523-1176/2
Sample Description	Weathercoat Ultra	Request No.	WD-Q-240523-0299
Source	Berger Paints Emirates Ltd Co LLC	Sample No.	WD-S-240523-1117
Test Method	ASTM D1640/D1640M-14(2022)	Date Received	23/05/2024
Room Condition	Température: 23°C RH : 50%	Date Tested	28/05/2024
Wimpey Ref. No.	SH-028168	Date Reported	05/06/2024
Tested By	RB		

Test Result

Test	Unit	Result
Drying Time	Hours	33 Minutes

Remarks: None.

Signed for and on behalf of Wimpey Laboratories LLC

Syamjal Lal

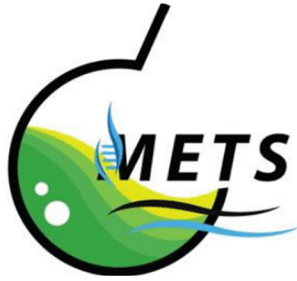
Laboratory Supervisor-Specialty

Test results relate only to the samples tested

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TEST REPORT

Report No.: MR-010524-140-A

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:

Liquid Water Permeability

Test Method: BSEN 1062-3:2008

Dry film thickness: 140µm

Test Condition: 23±2°C&50% RH

Parameter	Test Method	Unit	Result	Class as per BSEN 1062-1:2004
Liquid Water Permeability	BS EN 1062-3:2008	Kg/m ² .24h ^{0.5}	0.055	Class W ₃ .Low

Classes for Liquid water permeability(W)

Class	Requirement Kg/m ² .24h ^{0.5}
W ₀	No requirement
W ₁	High >0.5
W ₂	Medium ≤0.5 >0.1
W ₃	Low ≤0.1

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

Rasmi

Assistant Laboratory Manager
Employee Code: METS AJ EC 103

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TEST REPORT

Report No.: MR-010524-140-F

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:

UV Resistance

Test Method: BSEN 1062-11:2022

Test Duration: 2500 Hours

Dry film thickness: 140µm

Test condition: 23°C & 50% R.H

Parameter	Test Method	Unit	Result
UV Resistance	BSEN 1062-11:2022	-	No cracking, Flaking, wrinkling, blistering, color change or any other type of failure observed after 2500 hours of UV exposure.

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



میدیل ایست لخدمات الفحص Middle East Testing Services



TEST REPORT

Report No.: MR-010524-140-E

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:

Tensile Strength & Elongation

Test Method: ASTM D412-16:2020

Test condition: 23°C & 50% R.H

Dry film thickness: 140µm

Parameter	Test Method	Unit	Result
Tensile Strength at Peak	ASTM D412-16(2020)	MPa	2.24
Elongation at Break		%	166.78

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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TEST REPORT ON VOLUME SOLIDS

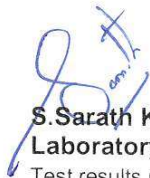
Client	Berger Paints Emirates LTD CO LLC		
Project Name	N.G	Lab Report No.	WD-R-250421-0370
Sample Description	Weathercoat Ultra	Request No	WD-Q-250421-0093
Sample Identification	N.G	Sample No.	WD-S-250421-0597
Source	Berger Paints Emirates LTD CO LLC	Date Received	21/04/2025
Test Method	ASTM D2697-22	Date Test completed	28/04/2025
Test Method for determining density of liquid coating	ASTM D1475-13(2020)	Date Reported	30/04/2025
Receptacle Used	Disc	Casting Date	28/04/2025
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	Client
Drying Type	Flash dry : 1 Hour	Tested By	IJM
Wimpey Reference	250421011		

Test Result

Specimen Number	Unit	Result
1	%	41.15
2		41.90
Average		41.53

Remarks: None.

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


S. Sarath Kumar
Laboratory Manager



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Test Report

Customer Details
Asian Paints (ME) SPC.

Report No. WD-R-230529-0310



Request No. : WD-Q-230529-0103 Received Date : 29/05/2023 Sample No. : WD-S-230529-0278

Sampling Date	: 29/05/2023	Report Date.	: 02/06/2023
Analysis Start Date.	: 29/05/2023	Analysis End Date.	: 02/06/2023
Sample Location.	: (Asian Paints Berger) Berger Paints Emirates LTD Co LLC, Al Quoz, Dubai, UAE	Sampled By	: SHERAZ MUHAMMAD YASIN (Wimpey representative)
Sample Description	: Weathercoat Ultra	Sample Identification	: Weathercoat Ultra
Source	: Asian Paints (ME) SPC, Oman	Sampling Time	: 10:00 AM

Parameters	Test Methods	Units	Results
VOC Content	USEPA 24	g/L	<1*

Note : *LOD of the method is 1g/L. <1 is considered as 'Nil' or 'Absent'.

Remarks :None

Analyst	Reviewed By	Method Variation
MR	VP	None

Signed for and on behalf of Wimpey Laboratories



Varun Payyadakkath
Senior Chemist

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Form No: WRF1-P-002 Issue No.:01 Rev No:00 Issued Date:20-05-2020

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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.	WR14-06802 (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 Water Permeability

Test Method: Test was carried out in general accordance with BS EN 12390-8:2009

The test specimen was prepared by applying the supplied sample on the surface of a 40N concrete substrate and air cured @ 23 ±2° C for 7days. After curing, the test specimen was subjected to water penetration test at 5 Bar pressure as per the standard requirement, applied to the face with the coating paint, As per BS EN 12390-8:2009, one uncoated concrete specimen of the same batch was also tested for comparison.

Comparison of tests result (Control Specimen & Test Specimen)

Test	Maximum depth of water penetration (mm)		
	Control Specimen (Uncoated)	Test Specimen (Coated with Coating System)	
Depth of water penetration (@ 5 Bar Pressure)	15	Nil	Nil
Reduction in water penetration	100 %		



A. UMAR FAROOK
Construction & Consumer Products Manager

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

Tested by: RMH, Date tested: 27.07.2014

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

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Dubai Central Laboratory

Engineering Materials Laboratory Section – Structural Unit

TEST REPORT

DETERMINATION OF SOLAR REFLECTANCE INDEX

REPORT NO. : 2015019751 DATE : 24/02/2015
 WEB REQUEST NO. : DCL-10022015-0107
 REQUEST NO. : 2015010932 SAMPLE NO. : 2015014932
 PROJECT NO. : PS-1513
 PROJECT NAME : TESTING SERVICE FOR BERGER PAINTS EMIRATES LTD CO.
 CONSULTANT : NO SPECIFIC CONSULTANT
 CONTRACTOR : NO SPECIFIC CONTRACTOR
 LOCATION : BERGER PAINTS EMIRATED LTD
 SOURCE : BERGER PAINTS EMIRATES LTD.CO(L.L.C)- DUBAI
 SAMPLE DESCRIPTION : COATING.
 SAMPLE TYPE : WEATHERCOAT ULTRA (WHITE)
 SURFACE TEXTURE : SMOOTH

Date of Sampling	: 10/02/2015	Time	: 09:00	Lot No.	: NG
Date of Receiving Sample	: 10/02/2015	Time	: 10:00	Lot Size	: NG
Size of Sample	: 3 NOS	Area No.	: -	Sender No.	: NG

DATE SPECIMEN RECEIVED	10/02/2015
SPECIMEN THICKNESS (mm)	NG
TEST CONDITION	23±2°C, 50±5% RH
TEST START DATE	11/02/2015

SPECIMEN NO.	WCU-1,2,3
Solar Reflectance (%) as per ASTM C 1549 - 09	82.6
Emittance (ε) As Per ASTM C1371-04a	0.79
Standard Deviation of Reflectance	0.0006
Standard Deviation of Emittance	0.0015

Solar Reflectance Index (SRI) for Low Wind (0 to 2 m/s)	100.68
Solar Reflectance Index (SRI) for Medium Wind (2 to 6 m/s)	101.44
Solar Reflectance Index (SRI) for High Wind (6 to 10 m/s)	102.09

SAMPLED BY : SENTHILRAJAN (MFR) TESTED BY : SANKAR RAJU
 SAMPLES BROUGHT IN BY : SENTHILRAJAN (MFR)
 TEST METHOD : ASTM E 1980:01
 TEST METHOD VARIATION : NIL
 REMARKS : THIS REPORT REPRESENTS THE SUBMITTED SAMPLES ONLY.
 SOLAR REFLECTANCE MEASURED UNDER THE AIR MASS 1.5

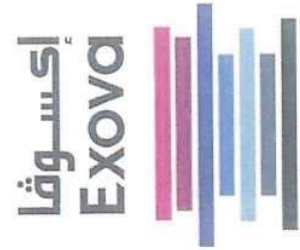
AUTHORIZED BY
HEAD OF UNIT

This report is computer approved, it does not require any signature



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Test Certificate

Al Futtaim Exova LLC
P.O. Box: 34924
Plot 598-221, Dubai Investment
DUBAI
UNITED ARAB EMIRATES

Report Number A 407610 : Issue 1
Page 1 of 1
Order Number DP1042
Date Tested 24/09/14
Date Reported 14/10/14

Attn: Mr. Umar Farook
Item - 150 mm long x 150 mm wide x 13 mm thick coated tile.
Exova Dubai job ref#: D-14-03235
Item Description: Penetrating Primer:- 25 microns,
Exterior Emulsion (Weathercoat):- 100 microns
Specification - Client Requirement

Salt Spray Testing - ASTM B117-07a

	Exposure	Comments
001: Test Panel	1000 hours	See Below
Item 001: Test Details Test Solution: 5% NaCl Reservoir pH: 7.0 Test Temperature: 35 +/- 2 Deg C Collection Vessel pH: 6.50 - 7.20 Rate of collection (surface area 80 cm ²): 1 to 2 ml/hour Density of collection: 1.037 g/ml Visual Observation Pre-test: The as received panels (1 test, 1 control) were free from any visible defects. (See attached photograph) Post-test: Isolated brown colour deposit was observed on test panel after exposure. No indication of any deterioration like chalking, blistering, flaking, wrinkling, discolouration or cracking observed. (See attached photograph)		

Certificate Comments

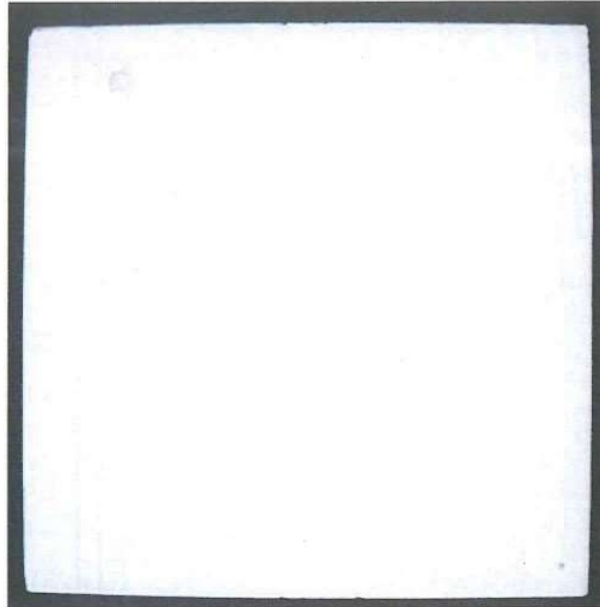
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Tested by Exova Abu Dhabi Laboratory

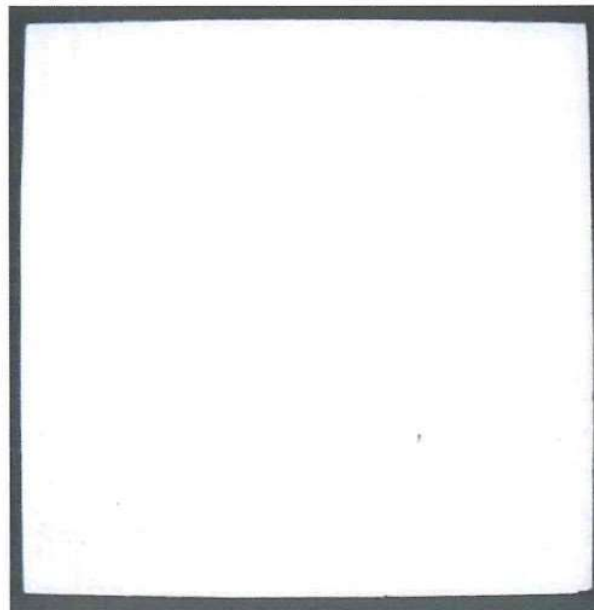
Exova
Abu Dhabi Laboratory
P.O. Box 9191, Abu Dhabi, United Arab Emirates
Tel: +971 (0)2 558 2345 Fax: +971 (0)2 558 4515

Pratap P Adiyodi
Lab Manager
Metallurgy
For and on authority of
Exova Limited (Abu Dhabi)

PHOTOGRAPHS



Mark# 001: Photograph of control panel.



Mark# 001: Photograph of test panel after exposure.



TEST REPORT ON PULL-OFF ADHESION STRENGTH

Client	Berger Paints Bahrain WLL, PO Box 26688 Kingdom of Bahrain		
Project Name	Not Applicable	Lab Report No.	WD-R-211013-0774/6
Sample Description	Weathercoat Ultra	Request No.	WD-Q-211013-0248
Source	Asian Paints Berger.	Sample No.	WD-S-211013-0748
Client Reference	N.G	Date Received	13/10/2021
Consultant	N.G	Casting Date	18/10/2021
Contractor	N.G	Date Tested	25/10/2021
Test Method	ASTM D4541-17	Date Reported	27/10/2021
Test Type	Type 5-Self Aligning Tester	Sampling Date & Sampling Time	N.G
Machine Details	Manufacturer: Matest Model: E142-01 Serial Number: E142/AC/0390	Substrate Used	Concrete
Location	In-House	Adhesive Used	Two Component Epoxy
Test Temperature & Relative Humidity	23°C & 50%	Age of Test	7 days
Wimpey Ref No.	210516-05	Tested By	PK

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		
Test Number	1	2	3
Client Ref No.	1	2	3
Test Position	Vertical	Vertical	Vertical
Size of Dolly (mm)	20	20	20
Max. Load Applied (N)	703	832	712
Pull off Strength (N/mm ²)	2.24	2.65	2.70
Average Pull off Strength (N/mm ²)	2.53		
Mode of Failure	Cohesive failure observed from substrate		

Remarks: Applied sample submitted by client.

Signed for and on behalf of Wimpey Laboratories,

S. Sarath Kumar
Head of Department

Test results relate only to the samples tested.

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TEST REPORT ON PRACTICAL WASHABILITY OF ORGANIC COATINGS

Client Name	Berger Paints Emirates LTD Co (LLC)		
Sample Description	Weathercoat Ultra	Lab Report No.	WD-R-250411-0511/1
Source	Berger Paints Emirates LTD Co (LLC)	Request No	WD-Q-250411-0091
Test Method	ASTM D4828-94(2020)	Sample No.	WD-S-250411-1175
Test Temperature	23°C & 50% RH	Date Received	11/04/2025
Tested Location	Wimpey-Dubai	Cast Date	18/04/2025
Wimpey Ref No.	250411004	Date Tested	28/04/2025
Tested By	VIN	Date Reported	12/05/2025

Rating for the condition of each soil or stain in the path of the sponge

Rating	Observation
0	No change from original intensity (depth) of soil or stain,
3	Slight change from original, but readily visible
5	Moderate change from original, slightly visible,
7	Large change from original, barely visible, and
10	All soil and stain removed

Rating of washed area relative to the unwashed areas for gloss or color change and erosion

Rating	Gloss Change	Rating	Color Change	Rating	Erosion
N	None	N	None	N	None
I	Increases	SD	Slightly darker	S	Slight
II	Large Increase	CD	Considerably darker	M	Moderate
D	Decreases	SL	Slightly lighter	-	-
DD	Large Decrease	CL	Considerably lighter	-	-

(Page 1 of 2)





Report No: WD-R-250411-0511/1
Sample No: WD-S-250411-1175

Test Result on Stain Removal

Washing Method: Mechanical Method
Washing Medium: Tap Water

Sl.No	Staining Agent	Number of washing cycles	Rating for the condition of each stain in the path of the sponge
1	Marker	100	3
2	Highlighter	100	5
3	2B pencil	100	10
4	Lipstick	100	10
5	Crayon	100	3
7	Ball Pen	100	5

Test Result on change in properties

Test	Rating of washed area relative to the unwashed area
Gloss Change	S
Color Change	N
Erosion	N

Remark: None.

Test Method Variation: 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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-End of text-





ميديل ايست لخدمات الفحص Middle East Testing Services



TEST REPORT

Report No.: MR-010525-188

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-010525-188
Sample Receiving Date : 01/05/2025
Reporting Date : 21/05/2025
Date of Analysis : 01/05/2025-08/05/2025
Tested by : SM
Issue No : 01 (Re-Issue Date: NA)

Sample Information:

Sample Description : Weathercoat Ultra Silk

Test Results

Test Duration:24 hours

Parameter	Test Method	Unit	Result
Specular Gloss Dry film thickness :250 µm	EN ISO 2813:2014	GU	20°
			60°
			85°
			1.45
			10.18
			43.76

Note:(i)The tested sample passes for G3 gloss level in accordance with MPI standards.

(ii) No traceability details were provided by client

Test Location: Ajman

Prepared by

Team Head
Material Science Division (MSD)
Employee Code: METS AJ EC 220

Verified by

Supervisor
Fire & Material Science Division
Employee Code: METS AJ EC 110



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

-End of Report-