TEST REPORT

BERGER PAINTS EMIRATES LTD CO (L.L.C.)

Report No. WD-R-250812-0009
Sample No. WD-S-250812-0550
Report Date. 20/08/2025

Introduction: As per the request received from **M/s BERGER PAINTS EMIRATES LTD CO (L.L.C.)** on 12th August 2025, the sample of Weathercoat Flex Tex was tested. Given below are the results obtained.

Sample Type : Weathercoat Flex Tex
Request Number : WD-Q-250812-0005
Sample Date Received : 12/08/2025
Date Tested : 12/08/2025-20/08/2025
Tested By : ZY

General Information

Sample Description : Weathercoat Flex Tex

Solar Reflectance Index (SRI)

Test methods

Emissivity : ASTM C 1371
Solar reflectance : ASTM C 1549
SRI for wind condition (Low, Medium, High) : ASTM E 1980:01

Thermal emissivity: 0.75			Solar reflectance (%): 82.24
Condition	**Low wind (0-2 m/s)**	**Medium wind (2-6 m/s)**	**High wind (6-30 m/s)**
Convective coefficient, (W/(m^{2}K))	5.0	12.0	30.0
Roof surface temperature (˚C)	49.5	44.5	40.6
Solar reflectance index, SRI	**99**	**100**	**101**

Remark: None

Signed for and on behalf of Wimpey Laboratories LLC

Anandu VS
Section In Charge-Chemistry Specialty

Test results relate only to the samples tested.
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WIMPEY LABORATORIES L.L.C. P.O.BOX: 123279, DUBAI, UAE

-End of text-

CONSTRUCTION MATERIAL LABORATORY SECTION

GREEN BUILDING PRODUCT UNIT

Report No:	486050	**Request No:** EMTX-2022-1035174	
Project No:	CF-295	**Report Date:** 02/09/2022 09:46AM	
Project Name:	BERGER PAINTS EMIRATES LTD CO LLC		
Consultant:	DUBAI MUNICIPALITY		
Contractor:	BERGER PAINTS EMIRATES LTD CO (L.L.C)		
Location: *	BERGER PAINTS WAREHOUSE		
Source: *	BERGER PAINTS EMIRATES LTD.CO(L.L.C)- DUBAI		
Sample Description: *	PAINT		
Product Name: *	WEATHERCOAT FLEX TEX		

Sampling Date/Time: *	07/07/2022 11:50AM	**Lot/Batch/Coil/Heat No.***	A1-595412/0622/3
Receiving Date/Time:	30/08/2022 11:56AM	**Lot Size: ***	100 litre
Sample Size /Quantity:	9 pieces	**Sender No:**	RAS106
Material/Mix Type: *	NA	**Laying Date/Production Date: ***	NA

Nominal Size / Working Block Size (mm) : 150 X 150 MM

TEST RESULTS

PARAMETER	RESULTS
SURFACE TEXTURE	SMOOTH
SPECIMEN THICKNESS (mm)	NG
TEST CONDITION	23+/-2Degree, 50+/-5% RH
SPECIMEN NO.	1,2,3
Solar Reflectance (%) as per ASTM C 1549	87.9
Emittance (e) As Per ASTM C1371	0.82
Standard Deviation of Reflectance	0.0030
Standard Deviation of Emittance	0.0021
Solar Reflectance Index (SRI) for Low Wind (0 to 2 m/s)	109.28
Solar Reflectance Index (SRI) for Medium Wind (2 to 6 m/s)	109.65
Solar Reflectance Index (SRI) for High Wind (6 to 10 m/s)	109.97

Sampled By:	DM REPRESENTATIVE/LENDL JOHN	**Tested By:**	SSRAJU
Sampled Brought By:	CLIENT REPRESENTATIVE/SENTHILRAJAN	**Testing Date:**	30/08/2022 11:56AM
Sampling Method:	DCL-IC-99	**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

CONSTRUCTION MATERIAL LABORATORY SECTION

GREEN BUILDING PRODUCT UNIT

Report No:	486050	**Request No:**	EMTX-2022-1035174

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

To verify this document please go to : **https://www.dm.gov.ae/#check-tab5**

Enter Document ID: **EMTX-2022-1035174** and Verification Code: **768708**

or Scan the QR code below.

*** END OF REPORT ***

This report is computer approved and authorized by Head of Unit and does not require any signature.

LB-TEST-014

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

CONSTRUCTION MATERIAL LABORATORY SECTION

CHEMICAL ANALYSIS OF CONSTRUCTION MATERIAL UNIT

Report No:	491215	**Request No:** EMTX-2022-1035174	
Project No:	CF-295	**Report Date:** 13/09/2022 02:15PM	
Project Name:	BERGER PAINTS EMIRATES LTD CO LLC		
Consultant:	DUBAI MUNICIPALITY		
Contractor:	BERGER PAINTS EMIRATES LTD CO (L.L.C)		
Location: *	BERGER PAINTS WAREHOUSE		
Source: *	BERGER PAINTS EMIRATES LTD.CO(L.L.C)- DUBAI		
Sample Description: *	PAINT		
Product Name: *	WEATHERCOAT FLEX TEX		

Sampling Date/Time: *	07/07/2022 11:50AM	**Lot/Batch/Coil/Heat No.***	A1-595412/0622/3
Receiving Date/Time:	29/08/2022 02:07PM	**Lot Size: ***	100 litre
Sample Size /Quantity:	9 pieces	**Sender No:**	RAS106
Material/Mix Type: *	NA	**Laying Date/Production Date: ***	NA

Nominal Size / Working Block Size (mm) : 150 X 150 MM

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/LENDL JOHN	**Tested By:**	AKALLUVETTY
Sampled Brought By:	CLIENT REPRESENTATIVE/SENTHILRAJAN	**Testing Date:**	29/08/2022 02:07PM
Sampling Method:	DCL-IC-99	**Sampling Report No:**	NA
Test Method:	BS EN ISO 11890-1 : 2007	**Test Method Variation:**	NIL

Remarks:	CUSTOMER PERFORMED SAMPLING AND PROVIDED THE SAMPLE; 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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CONSTRUCTION MATERIAL LABORATORY SECTION

CHEMICAL ANALYSIS OF CONSTRUCTION MATERIAL UNIT

Report No:	491215	**Request No:**	EMTX-2022-1035174

**** END OF REPORT ****

This report is computer approved and authorized by Head of Unit and does not require any signature.

LB-TEST-014

TEST REPORT

Berger Paints Emirates Ltd. Co. LLC
Dubai, UAE.

Report No : **WD-R-210510-0802**
Sample No : **WD-S-210510-0696**
Report Date : **12/06/2021**

Sample Description : **Weathercoat Flex Tex**
Sample Received : 10/05/2021
Test Date : 10/05/2021 – 10/06/2021
Test Conducted By : PS

1.0 Introduction

Further to the requisition received from **Berger Paints Emirates Ltd. Co. LLC** dated 10th May, 2021, the sample was tested for Resistance to growth of Mold.

2.0 Test method reference

In-house protocol: ASTM D 3273; Standard Test Method Resistance to Growth of Mold on the Surface of Interior Coatings in an Environment Chamber.

3.0 Methodology

The test method describes a small environmental chamber and the operational conditions to evaluate the relative resistance of the sample material to surface mold fungi for a period of 4 weeks.
The prepared sample and the controls of the same substrate were exposed for a period of 4-weeks to sporulated mold, within the environmental chamber at specified temperature and relative humidity condition.
Observations were made on a weekly basis over a period of 4 weeks.
The result was reported by rating the panels for mold growth for a period of 4-weeks. Surface defacement was estimated on "0 to 10" rating scale, in such a way that the value of "10" is taken as no defacement and a value of "0" is completely defaced.

Observed Mold growth on test specimens	Rating
0 defacement	10
1 to 10% defacement	9
11 to 20% defacement	8
21 to 30% defacement	7
31 to 40% defacement	6
41 to 50% defacement	5
51 to 60% defacement	4
61 to 70% defacement	3
71 to 80% defacement	2
81 to 90% defacement	1
91 to 100% defacement	0

تليفون : ٣٢٧٣١٢٣ ٤ ٩٧١+ • فاكس : ٢٣٦٥٣٠٨ ٤ ٩٧١+ • ص.ب : ١٢٣٢٧٩ • دبي • الامارات العربية المتحدة
TEL : +971 4 3273123 • FAX: +971 4 2365308 • P.O.BOX : 123279 • DUBAI • UNITED ARAB EMIRATES
E-mail: info.dxb@wimpeylab.com Website: www.wimpeylab.com

Report No: **WD-R-210510-0802**

4.0 Test Results

Test Duration	Observation/Result	Rating
Week # 1	No Mold growth	10
Week # 2	No Mold growth	10
Week # 3	No Mold growth	10
Week # 4	No Mold growth	10
Final Rating as per ASTM D 3273	**10**	

Remarks:

1. *Aspergillus niger, Aureobasidium pullulans* and *Penicillum species* are used as mold representatives
2. Facing of the sample is only assessed for the fungal growth under the controlled environmental conditions.
3. Controls were satisfactory, throughout the analysis period.

5.0 Conclusion

Final rating scale of 10 as per ASTM D3273, indicates, that the analyzed sample submitted by **M/s Berger Paints Emirates Ltd. Co. LLC** is resistant to fungal growth under the required test conditions.

Signed for and on behalf of Wimpey Laboratories

Mrs. Shamila Salamuddin
Head of Microbiology

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TEL : +971 4 3273123 • FAX: +971 4 2365308 • P.O.BOX : 123279 • DUBAI • UNITED ARAB EMIRATES
E-mail: info.dxb@wimpeylab.com Website: www.wimpeylab.com

TEST REPORT
REACTION TO FIRE TEST

Test Sponsor:

Berger Paints Emirates Ltd co.LLC
PO Box 27524, Dubai, UAE
T: +97143391000 | F: +97143391322
Website: https://www.asianpaints.com/

Test Material / Assembly:

Weathercoat Flex Tex applied over Fibre cement board

Test Standard:

ASTM E84 – 21a: Standard Test Method for Surface Burning Characteristics of Building Materials

THOMAS BELL-WRIGHT
INTERNATIONAL CONSULTANTS

Test Date: 29-Apr-22
Issue Date: 2-Jun-22
Test Reference No: WC089

PO BOX 26385, DUBAI UAE T +971 (0)4 821 5777 fire@bell-wright.com www.bell-wright.com

DUBAI DOHA RIYADH

Accreditation

Testing

ISO/IEC 17025: General requirements for the competence of testing and calibration laboratories with:

United Kingdom Accreditation Service (UKAS) - Testing Laboratory: **4439**
www.ukas.com

GCC Accreditation Center (GAC) – Testing Laboratory: **ATL-0017**
www.GCC-accreditation.org

Memberships

Members of European Group of Organization for Fire Testing, Inspection and Certification

www.egolf.org.uk

Member of Association for Specialist Fire Protection

www.asfp.org.uk

Member of Centre for Window and Cladding Technology

www.cwct.co.uk

The work which is the subject of this report falls under the accreditations of **ISO 17025 UKAS and ISO 17025 GAC.**

Table of Contents

1. INTRODUCTION

Determination of the flame spread index and the smoke developed index of Weathercoat Flex Tex applied over Fibre cement board as per ASTM E84 – 21a; Standard Test Method for Surface Burning Characteristics of Building Materials.

2. SPONSOR

Name: Berger Paints Emirates Ltd co.LLC
Address: PO Box 27524, Dubai, UAE
T: +97143391000 | F: +97143391322
Website: https://www.asianpaints.com/

3. TESTING LABORATORY

Name: Thomas Bell-Wright International Consultants (TBWIC)
Address: Corner of 46th and 47th streets, Jebel Ali Industrial Area 1
P.O. Box 26385, Dubai, U.A.E.
T: +971 (0) 4 821 5777
www.bell-wright.com

4. DATE OF TEST

Sample received date: 26-Apr-22
Test date: 29-Apr-22

The test was not witnessed by the sponsor.

5. SPECIMEN DESCRIPTION

Note: The testing laboratory does not hold any responsibility for the information that has been provided by the test sponsor which could not be verified by the testing laboratory, as this could affect the validity of the test result. All information that could not be verified will be indicated by an asterisk (*) mark.

Product Tested		Weathercoat Flex Tex applied over fibre cement board*	
Product Name		Weathercoat Flex Tex applied over fibre cement board*	
Fire side		**Top coat**	
Overall Area weight		7.99 kg/m² (Calculated by TBWIC)	
Overall Density		1229 kg/m³ (Calculated by TBWIC)	
Product Details	**Top coat-Fire Side**	**Reference name**	Weathercoat Flex Tex* (stated)
		Manufacturer	Berger paints* (stated)
		Thickness	0.2-0.21mm* (stated)
		Area weight	153 g/m²* (stated)
		Density	1.40 g/l* (stated)
	Primer	**Reference name**	Tuff AR Primer* (stated)
		Manufacturer	Berger Paints* (stated)
		Thickness	0.035-0.04* (stated)
		Area weight	29 g/m²* (stated)
		Density	1.38 g/l* (stated)
	Substrate	**Reference name**	Fibre cement board* (stated)
		Manufacturer	ICEM FLEXO* (stated)
		Thickness	6.3mm* (stated)
Dimensions per panel		2400 x 600 x 6.5mm (l x w x t) (Measured by TBWIC)	
Quantity of panels		3 Nos.	
Total dimension		7200 x 600 x 6.5mm (l x w x t) (Measured by TBWIC)	
Specimen placement		The 3 panels of Weathercoat Flex Tex applied over Fibre cement board were butt jointed end-to-end. The test specimen was placed directly to the tunnel ledges with the top coat towards the flame source.	

6. SPECIMEN VERIFICATION

The choice and design and the definition of the specimen have been made by Berger Paints Emirates Ltd co.LLC, and TBWIC testing laboratory has not been involved in the selection or design of the specimen. The results apply to the samples as received.

Note: There are contexts where information has been provided by the sponsor and verification of information has been done through either technical datasheet or other document submission, or as indicated directly by the sponsor. For this reason, materials have been tested in an as-received condition and TBWIC bears no liability for the legitimacy of the submitted information.

7. METHOD OF TEST

7.1. Placing of test specimen

The test specimen consisted of 3 panels of Weathercoat Flex Tex applied over Fibre cement board. The dimension per panel was 2400 x 600 x 6.5mm (l x w x t) and was butt jointed end-to-end. The total dimension of the specimen was 7200 x 600 x 6.5mm (l x w x t).

Several sections of cement board butt jointed end-to-end with overall dimensions of 7350 x 600mm (l x w), were placed at the back of the sample to protect the furnace lid assembly.

7.2. Test Method

The specimen was placed in the ceiling position, supported horizontally on the ledges of the Steiner Tunnel. The top coat was exposed face down to the ignition source during the 10-minute test duration.

Flame Spread and Smoke Density were measured, and the results were compared against standard calibration materials (fiber-cement board, heptane and red oak flooring).

7.3. Conditioning

After delivery/preparation on 26-Apr-22, the specimen was placed in a conditioned space where temperature and humidity were maintained between 23 ± 2.8°C and 50 ± 5% respectively, until constant weight was attained.

Note: There were deviations observed in the temperature and relative humidity in 4 separate probes of thermo-hygrometer in our conditioning room, however the average values were within the limit.

8. OBSERVATION

Test Data and Observation

Observations	Result
Ignition Time (min:sec)	1:20
Time to maximum flame front advance (min:sec)	2:26
Maximum flame spread (ft)	6.2
Time to end of tunnel reached (min:sec)	Not Reached
Maximum temp recorded at the exposed thermocouple located near the end of the tunnel (°F / °C)	586/308
Dripping (min:sec)	None
Flaming on the floor (min:sec)	None
After flame on the top (min:sec)	None
After flame on the floor (min:sec)	None
Delamination (min:sec)	None
Sagging (min:sec)	None
Shrinkage (min:sec)	None
Fallout (min:sec)	None

FS*Time Area (ft*min)	50.44
Smoke Area (%A*min)	60.23
Heptane Smoke Area (%A*min)	85.7

9. SUMMARY OF RESULTS

The test specimen has been evaluated in accordance with ASTM E84 – 21a; Standard Test Method for Surface Burning Characteristics of Building Materials.

The test results are:

FLAME SPREAD INDEX (FSI)	**25**
SMOKE DEVELOPED INDEX (SDI)	**70**

Results are valid for the tested configuration only.

10. CLASSIFICATIONS

The following information is designed to help put these test results into context. Flame Spread Index and Smoke Developed Index results from an ASTM E84 test are often used by regulatory agencies to approve materials for various applications. For example, the International Building Code 2021, Section 803.1.2 requires that:

Interior wall and ceiling finish materials shall be classified in accordance with ASTM E84 or UL 723-11th Ed. 2021. Such interior finish materials shall be grouped in the following classes in accordance with their flame spread and smoke-developed indices.

Class A: Flame spread index 0 - 25; smoke-developed index 0 - 450.
Class B: Flame spread index 26 - 75; smoke-developed index 0 - 450.
Class C: Flame spread index 76 - 200; smoke-developed index 0 - 450.

Note that the above example is the IBC requirement for interior wall and ceiling finishes only; the application of the tested specimen may differ.

11. LIMITATIONS

Testing of materials that melt, drip, or delaminate to such a degree that the continuity of the flame front is destroyed, results in low flame spread indices that do not relate directly to indices obtained by the testing materials that remain in place.

Thomas Bell-Wright International Consultants recommend that the relevance of test reports should be considered after a period of five years.

This test report is respectfully submitted by: Thomas Bell-Wright International Consultants

Prepared/Tested By:

Sarah Shaheir
Junior Fire Testing Engineer

Reviewed By:

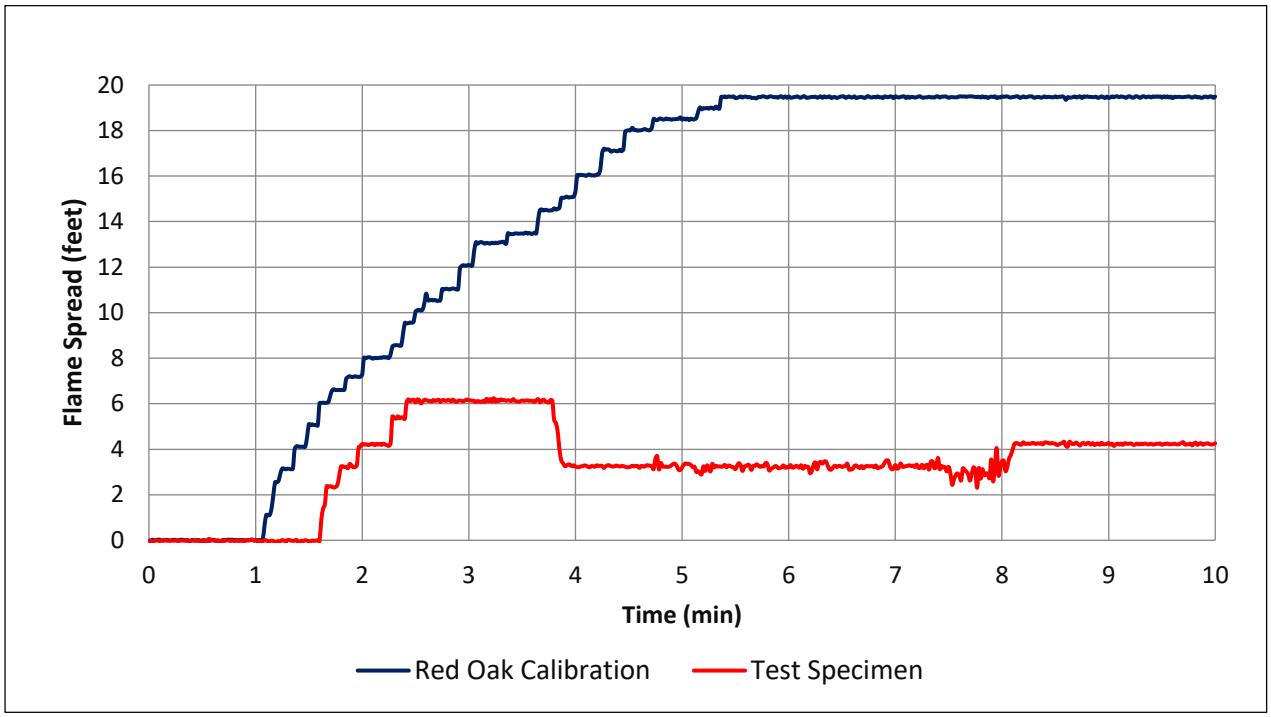
Fredilyn Paragoso
Fire Testing Support Engineer

Approved By:

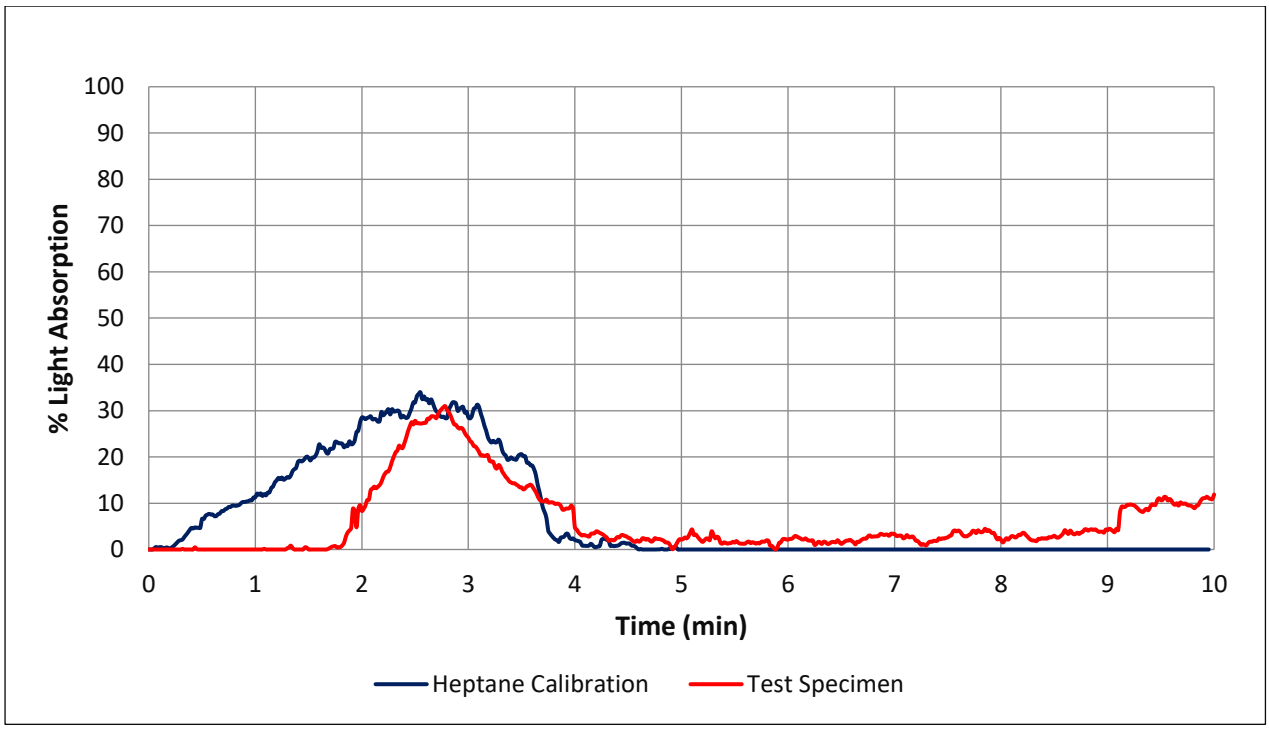
P.O.Box: 26385
DUBAI - U.A.E.
Thomas Bell-Wright Int'l Consultants (Dubai Br.)

Suketa Tyagi
Reaction to Fire - Manager

12. APPENDIX 1 – GRAPHS



Graph 1: Flame Spread Index (FSI)



Graph 2: Smoke Developed Index (SDI)

13. APPENDIX 2 – PICTURES

Photo 1: Specimen before the test.
(Non-Fire Side)

Photo 2: Specimen before the test.
(Fire Side)

Photo 3: Specimen after the test.
(As seen from the fire-end)

Photo 4: Specimen after the test.
(As seen from the exhaust end)

----- End of Test Report -----

TEST REPORT ON ABRASION RESISTANCE

*Information Provided to the Laboratory			
Customer Name	Berger Paints Emirates Co LLC P.O Box: 27524 Dubai, UAE	Sample Description	Weathercoat Flex Tex Ultra
Contractor	N.G	Sample Source	Berger Paints Emirates Co LLC
Consultant	N.G	Sample Identification	N.G
Client	N.G	Location (Structure Ref)	N.G
Project	N.G	Sampling Date/Time	N.G

Laboratory Information			
Test Method	ASTM D4060-19	Lab Report No.	WD-R-240118-0990/44
Test Method Variation	None	Sample No.	WD-S-240118-1006/8
Wheel Reference	CS-17	Request No.	WD-Q-240118-0304
Mass Applied on each wheel	1000 g	Date Received	18/01/2024
Vacuum Opening Diameter	8 mm	Date Test completed	29/01/2024
No. of Revolution	1000	Date Reported	30/03/2024
Vacuum Nozzle Height	6.2 mm	Test Temperature	23°C
Vacuum Suction Force	100 %	Relative Humidity	50 %
Sample Brought in by	N.G	Conditioning Procedure	23°C & 50% RH
Tested By	SA	Wimpey Ref. No.	24011871

Test Results

Specimen No.	Unit	Result
1	mg	147.8
2		150.2
	Average	149.0

Legends: N.G *– Information Not Given*
Remarks: None.
Method Deviation: None

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

S.Sarath Kumar
Head of Department

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*The information provided by the customer can affect the validity of result.
When the sample has been provided by the Customer, the results apply to the sample as received.

- End of text-

TEST REPORT

Report No.: METS-R-4121-02H/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

IMPACT RESISTANCE TEST

Test Method: ASTM D2794-93(2019)

Test Temperature:23±2°C&50% RH

Parameter	Test Method	Unit	Result
Impact Resistance Test	ASTM D2794-93(2019)	kg.m	8.829 (No cracks observed)

Note: No traceability details were provided by client.

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 220

Issue No: 2

Form MRF 40

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

-End of Report-

TEST REPORT

Report No.: METS-R-4121-02B/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

WATER ABSORPTION

Test Method: ASTM D570-22

Dry Film Thickness: 210µm

Parameter	Test Method	Unit	Result
Water Absorption	ASTM D570-22	%	0.159

Note: No traceability details were provided by client.

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 220

Issue No: 2

Form MRF 40

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.
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-End of Report-

TEST REPORT

Report No.: METS-R-4121-02J/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

UV RESISTANCE

Test Method: BS EN 1062-11: 2002

Dry Film Thickness: 200µm

Test duration: 2500hrs

Parameter	Test Method	Unit	Result
UV Resistance	BS EN 1062-11: 2002	-	No cracking, flaking, wrinkling, blistering, colour change or any other type of failure observed.

Test Location: Ajman

Note: No traceability details were provided by client

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 220

Issue No: 2

Form MRF 40

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-End of Report-

TEST REPORT

Report No.: METS-R-4121-02L/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

ACCELERATED WEATHERING RESISTANCE

Test Method: ASTM G154-23

Test Duration: 2500 Hours

Dry Film Thickness: 200µm

Parameter	Test Method	Unit	Result
Accelerated Weathering Resistance	ASTM G154-23	-	No cracking, flaking, wrinkling, blistering, colour change or any other type of failure observed.

Test Location: Ajman

Note: No traceability details were provided by client

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 220

Issue No: 2

Form MRF 40

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

-End of Report-

TEST REPORT

Report No.: METS-R-4121-02N/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 21/01/2025
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

MOISTURE VAPOUR TRANSMISSION RATE AFTER 2500 HOURS OF ACCELERATED WEATHERING*

Test Method: BS EN 1062-2:2004

Dry Film Thickness: 200µm

Parameter	Test Method	Unit	Result
Moisture vapor transmission rate after 2500 hours of accelerated weathering*	BS EN 1062-2:2004	g/m².d	19.12

Note: No traceability details were provided by client

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 220

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

-End of Report-

Issue No: 2

Form MRF 40

TEST REPORT

Report No.: METS-R-4121-02K/2024

Client / Establishment	: M/s. Berger Paints Emirates Ltd Co. (LLC.) Al Qouz Industrial area 1, Opp. TCTI Factory, PO Box: 27524 Dubai, United Arab Emirates.
Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 21/01/2025
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

LIQUID WATER TRANSMISSION RATE

Test Method: BS EN 1062-3:2008

Dry Film Thickness: 210µm

Parameter	Test Method	Unit	Result	Class
Liquid Water Transmission Rate	BS EN 1062-3:2008	$Kg/m^2.24h^{0.5}$	0.056	W_3 (Low)

Class for Liquid Water Transmission Rate

Class		Requirement $kg/(m^2 . h^{0.5})$
W_0		No requirement
W_1	High	> 0.5
W_2	Medium	≤0.5 > 0.1
W_3	Low	≤ 0.1

Test Location: Ajman

Note: No traceability details were provided by client

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 220

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Form MRF 40 Issue No: 2

TEST REPORT

Report No.: METS-R-4121-02A/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

WATER resistance

Test Method: ASTM D870-15(2020)e1

Dry Film Thickness: 210µm

Test duration: 720 hours

Parameter	Test Method	Unit	Result
Water resistance	ASTM D870-15(2020)e1	-	No change in color and no blistering or any other physical defects observed.

Note: No traceability details were provided by client.

Test Location: Ajman

Prepared by

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

METS P.O.Box: 31442, Ajman - U.A.E Middle East Testing Services - L.L.C

Verified by

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

Issue No: 2

Form MRF 40

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-End of Report-

TEST REPORT

Report No.: METS-R-4121-02E/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

SAMPLE INFORMATION:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

RESISTANCE TO HUMIDITY

Test Method: ASTM D2247-15(2020)e1
Dry Film Thickness: 210µm

Test temperature: 38°C
Test duration: 720hrs

Parameter	Test Method	Unit	Result
Resistance to Humidity	ASTM D2247-15 (2020)e1	-	No physical changes such as color or blistering observed.

Note: No traceability details were provided by client.
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 220

Issue No: 2
Form MRF 40

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-End of Report-

TEST REPORT

Report No.: METS-R-4121-02G/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

RESISTANCE TO HEAT

Test Method: ASTM D2485:2018
Dry Film Thickness: 210µm

Test temperature: 205°C
Rapid cooling temperature: 21°C

Parameter	Test Method	Unit	Result
Resistance to Heat (Method A)	ASTM D2485-18	-	No cracking or loss of adhesion after bend test

Note: No traceability details were provided by client.
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 220

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-End of Report-

TEST REPORT

Report No.: METS-R-4121-02F/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

CHEMICAL RESISTANCE

Test Method: ASTM D1308-20

Test Temperature:23±2°C&50% RH

Parameter	Test Method	Unit	Result
Spot test, Open (Frequent intervals of 15min, 1hr, 16hr)			
10 % HCl	ASTM D1308-20	-	No significant color change or physical change observed.
3% H_2SO_4		-	No significant color change or physical change observed.
10% NaOH		-	No significant color change or physical change observed.
10% KOH		-	No significant color change or physical change observed.
Diesel		-	No significant color change or physical change observed.
Hot water			No significant color change or physical change observed.

Note: No traceability details were provided by client.

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 220

Issue No: 2

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-End of Report-

TEST REPORT

Report No.: METS-R-4121-02D/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

SAMPLE INFORMATION:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

SALT SPRAY TEST

Test Method: ASTM B117-19

Salt Spray Concentration : 4-6 %

Test duration: 300hrs

Amount of fog collected: 1.4 mL/Hour

Parameter	Test Method	Unit	Result
Salt Spray test	ASTM B117-19	-	No signs of corrosion observed after 300 hours of salt spray exposure.

Note: No traceability details were provided by client.

Test Location: Ajman

Prepared by

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

METS P.O.Box: 31442, Ajman - U.A.E Middle East Testing Services - L.L.C

Verified by

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

Issue No: 2

Form MRF 40

-End of Report-

TEST REPORT

Report No.: METS-R-4121-02I/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

SAMPLE INFORMATION:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

CRACK BRIDGING ABILITY

Test Method: ASTM C836/C836M-18(2022)/ ASTM C1305/C1305M-16(2023)

No. of cycles: 10

Dry Film Thickness: 200µm

No. of specimens tested: 5

Parameter	Test Method	Unit	Result
Crack Bridging Ability	ASTM C836/C836M-18(2022) / ASTM C1305/C1305M-16(2023)	mm	3.2 (No failure observed such as cracking, splitting or pinholes)

Note:(i) Conditioning: After curing the sample 14 days at room temperature and 7 days at 70°C in hot air oven

(ii) No traceability details were provided by client.

Test Location: Ajman

Prepared by

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

ميديل ايست لخدمات الفحص ذ.م.م. METS P.O.Box: 31442, Ajman - U.A.E Middle East Testing Services - L.L.C

Verified by

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

Issue No: 2

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-End of Report-

TEST REPORT

Report No.: METS-R-4121-02C/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

COATING ADHESION

Test Method: ASTM D4541-22

Dry Film Thickness: 210µm

Parameter	Test Method	Unit	Result	Mode of Failure
Coating Adhesion	ASTM D4541-22	MPa	1.85	Cohesion failure within the substrate

Note: No traceability details were provided by client.

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 220

Issue No: 2

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-End of Report-

TEST REPORT

Report No.: METS-R-4121-02M/2024

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

Sample ID	: METS-S24-4121-02
Sample Receiving Date	: 01/05/2024
Reporting Date	: 16/09/2024
Date of Analysis	: 01/05/2024 – 31/08/2024
Tested by	: JK
Issue No	: 01 (Re-Issue Date: NA)

Sample Information:

Sample Description	: WEATHERCOAT FLEX TEX ULTRA

Test Result:

CHLORIDE ION DIFFUSION COEFFICIENT AFTER 2500 HOURS OF ACCELERATED WEATHERING

Test Method: TP1303/90/4670

Dry Film Thickness: 200µm

Parameter	Test Method	Unit	Result
Chloride Ion Diffusion Coefficient after 2500 hours of accelerated weathering	TP1303/90/4670	cm^2/s^{-1}	6.37×10^{-10}

Test Location: Ajman

Note: No traceability details were provided by client

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 220

Issue No: 2

Form MRF 40

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-End of Report-

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WIMPEY LABORATORIES L.L.C.

IAS ACCREDITED Testing Laboratory TL-564

TEST REPORT ON TENSILE STRENGTH & ELONGATION

Client	Berger Paints Emirates Co LLC P.O Box: 27524 Dubai, UAE		
Sample Description	Weathercoat Flex Tex Ultra	Lab Report No.	WD-R-240118-0990/45
Sample Source	Berger Paints Emirates Co LLC	Sample No.	WD-S-240118-1006/8
Client's Ref.	N.G	Request No.	WD-Q-240118-0304
Curing and test condition	Temperature: 23°C Relative Humidity: 50%	Date Received	18/01/2024
Sampling Method	ASTM D412-16(2021)	Casting Date	22/01/2024
Test Method	ASTM D412-16(2021)	Curing Time	7 Days
Specimen Type	Test Method A – Die C	Date Tested	29/01/2024
Rate of Speed	500 mm/minute	Date Reported	30/01/2024
Wimpey Ref No.	24011871	Tested By	SU

Test Results

Specimen Number	Width (mm)	Thickness (mm)	Maximum Force (N)	Tensile Strength (N/mm²)	Elongation (%)
1	6.0	1.17	19.7	2.8	125
2	6.0	1.15	16.6	2.4	120
3	6.0	1.19	14.3	2.0	126
4	6.0	1.14	17.1	2.5	123
5	6.0	1.18	19.8	2.8	127
Average				**2.5**	**124**

Remarks: None.

Signed for and on behalf of Wimpey Laboratories LLC

WIMPEY LABORATORIES L.L.C. P.O.BOX: 123279 DUBAI, UAE

S.Sarath Kumar
Head of Department

Test results relate only to the samples tested.
This report shall not be reproduced except in full, without the written approval of the laboratory.
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WIMPEY LABORATORIES L.L.C.

TEST REPORT ON VOC

Client	Berger Paints Emirates Co LLC P.O Box: 27524 Dubai, UAE		
Product Name	Weathercoat Flex Tex Ultra	Lab Report No.	WD-R-240118-0990/43
Sample Type	N.G	Sample No.	WD-S-240118-1006/8
Source	Berger Paints Emirates Co LLC	Request No.	WD-Q-240118-0304
Test Method	USEPA 24	Date Received	18/01/2024
Room Temperature	23ºC	Date Test completed	26/01/2024
Room Relative Humidity	50%	Date Reported	30/03/2024
Wimpey Reference	24011871	Tested By	VP

Results of Analysis

Test	Unit	Result
VOC	g/L	11

Remarks: None

Method Deviation: None

Signed for and on behalf of Wimpey Laboratories LLC

S.Sarath Kumar
Head of Department

Test results relate only to the samples tested.
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-End of text-

TEST CERTIFICATE

BERGER PAINTS EMIRATES LTD CO (L.L.C.)

Report No: WD-R-240820-0010
Sample No: WD-S-240820-0008
Date of Report: 24/09/2024

Introduction: As per the request received from **M/s BERGER PAINTS EMIRATES LTD CO (L.L.C.)** on 17th August 2024, 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-240820-0006
Sample Received Date	: 17/08/2024
Date of Test	: 18/08/2024-24/09/2024
Tested By	: MR

General Information

Sample coating System:

1 coat Plastaseal penetrating Primer
1 coat Berger External Filler
2 coats Weathercoat Flex Tex Ultra

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 100cm^2, 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.

Form # WLRF 90 Issue No.1 Issued on : 29/05/2019

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TEL : +971 4 3273123 • FAX: +971 4 2365308 • P.O.BOX : 123279 • DUBAI • UNITED ARAB EMIRATES
E-mail: info.dxb@wimpeylab.com Website: www.wimpeylab.com

Report No: WD-R-240820-0010

Test Results

Test	Method	Unit	Result
Specimen thickness	BS EN 1062-6:2002 Method A	µm	259
Average carbon dioxide permeability		g/m^2d	0.307
Diffusion equivalent air layer thickness in meters (S_D)		m	807.82
Diffusion resistance number		-	$3.10x10^6$
Carbon dioxide diffusion coefficient of the coating		cm^2s^{-1}	$4.80x10^{-8}$
Diffusion equivalent thickness of concrete (SC)		m	2.019
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

i) Sc is calculated assuming an average grade concrete where the µ- value had been estimated at 400
ii) D_{CO2} for an uncoated plate is $1 X 10^{-3} cm^2s^{-1}$
iii) Carbon dioxide diffusion resistance: Class 1 (Classification in accordance with BS EN 1062-1:2004 & BS EN 1062-6:2002)
iv) Klopfer criterion for effective anti-carbonation coating is SD greater than 50 meters.

Remark: None
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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E-mail: info.dxb@wimpeylab.com Website: www.wimpeylab.com

CLIMATE DECLARATION

FOR WEATHERCOAT ULTRA

Declared unit: 1 m^2 of surface painted with Weathercoat Ultra (95% opacity)

The climate declaration shows the emissions of greenhouse gases, expressed as CO_2-equivalents. It is based on verified results from a life cycle assessment (LCA) performed as basis for an EPD®, in accordance with ISO 14025 and EN 15804.

Information about the product

A pure acrylic emulsion based exterior wall coating formulated with high quality weather durable pigments and reinforced with anti-microbial agents. It is a VOC free, green product.

- Excellent outdoor durability.
- High SRI value, keeps building insides cool.
- Highly washable and good resistance to alkalis.
- Fungus and algae resistant.
- Covers hairline cracks
- Reduces carbonation of concrete
- Water based, green product.

Information about company

Asian Paints was founded in 1942 and is India's leading and Asia's third largest paint company, with a turnover of INR 205.16 billion. Asian Paints is equipped with aseptic processing areas, computerised dosing stations to create finely calibrated formulations, R&D centres that incubate innovative paint technologies, and automated loading bays to respond to orders in an agile fashion. They have a strong presence in five regions of the world, including Middle East, South Asia, South East Asia and South Pacific, through its five corporate brands – Asian Paints Berger, Asian Paints, SCIB Paints, Apco Coatings, Taubmans, and Kadisco.

Climate Declaration

The table below shows the emissions of greenhouse gases, calculated as carbon dioxide equivalents (kg CO_2 eq.) for 1 m^2 of surface painted with Weathercoat Ultra (95% opacity). The included life cycle stages are manufacturing (A1-A3) and downstream (A4).

GWP	Manufacturing Stage (A1-A3) kg CO_2eq.	Downstream (A4) kg CO_2eq.
Fosil	0.480	0.005
Biogenic	0	0
Luluc	0.002	2.71E-6
Total	0.482	0.005

Other environmental information

This declaration is limited to the impact on climate change by emissions of greenhouse gases. Further information about other relevant environmental aspects is available in the EPD® at www.environdec.com

Contact information

Asian Paints (Middle East) SPC
P.O Box 462, Al Khuwair
Postal Code – 133
Sultanate of Oman

www.asianpaintsarabia.com
weassure.oman@asianpaints.com

EPD PROGRAMME: THE INTERNATIONAL EPD® SYSTEM		REGISTRATION NO: S-P-09870	VALIDITY: 20-07-2028
PCR: 2019:14 VERSION 1.2.5,2024-12-20, CONSTRUCTION PRODUCTS AND CPC 54 CONSTRUCTION SERVICES, EN 15804:2012 + A2:2019 SUSTAINABILITY OF CONSTRUCTION WORKS	UN CPC: 35110	PCR REVIEW CONDUCTED BY: THE TECHNICAL COMMITTEE OF THE INTERNATIONAL EPD® SYSTEM	
INDEPENDENT VERIFICATION OF THE DECLARATION AND DATA, ACCORDING TO ISO 14025: doc. Ing. Prof. Vladimír Kočí, INDIVIDUAL VERIFIER		APPROVED BY: THE INTERNATIONAL EPD® SYSTEM	
LINK TO MORE INFORMATION: https://www.environdec.com/library/epd9870			
CLIMATE DECLARATIONS FROM DIFFERENT PROGRAMS MAY NOT BE COMPARABLE			

Weathercoat Flex (Tex Ultra)
by Berger Paints Emirates Ltd. Co. L.L.C.

Health Product Declaration v2.3

created via: HPDC Online Builder

HPD UNIQUE IDENTIFIER: 61378670592
CLASSIFICATION: 09 90 00 Painting and Coating
PRODUCT DESCRIPTION: Weathercoat Flex (Tex Ultra) is a high performance elastomeric water-based coating formulated based on pure and 100% acrylic emulsion and light and weatherfast pigments, superior fine quality quartz chips. It has excellent exterior durability and effectively fights against fungal and bacterial attacks. Its superior elastic property effectively bridges cracks on the wall and gives a seamless long lasting finish coupled with excellent anti-carbonation effect. Features include: • Outstanding exterior durability • Excellent elastic recovery and resilience properties • Superior flexibility across a broad temperature range • Breathing capability which prevents moisture accumulation in walls • Good resistance against dirt pick-up • Low toxicity and odour • Environment friendly

Section 1: Summary

Nested Method / Product Threshold

CONTENT INVENTORY

Inventory Reporting Format
- (•) Nested Materials Method
- ( ) Basic Method

Threshold Disclosed Per
- ( ) Material
- (•) Product

Threshold Level
- (•) 100 ppm
- ( ) 1,000 ppm
- ( ) Per GHS SDS
- ( ) Other

Residuals/Impurities Evaluation
Completed in 7 of 7 Materials

Explanation(s) provided for Residuals/Impurities?
- (•) Yes ( ) No

For all contents above the threshold, the manufacturer has:

Characterized (•) Yes ( ) No
Provided weight and role.

Screened (•) Yes ( ) No
Provided screening results using HPDC-approved methods.

Identified (•) Yes ( ) No
Provided name and CAS RN or other identifier.

CONTENT IN DESCENDING ORDER OF QUANTITY

Summary of product contents and results from screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Safer Chemicals®. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risk. Refer to Section 2 for further details.

NESTED MATERIAL | **MATERIAL OR SUBSTANCE** | *RESIDUAL OR IMPURITY*
GREENSCREEN SCORE | HAZARD TYPE

BINDER [METHYL METHACRYLATE LT-P1 | END | SKI | PHY | EYE | MAM **BUTYL ACRYLATE** LT-UNK | SKI | EYE | MAM | REP | AQU **2-ETHYLHEXYL ACRYLATE** BM-2 | SKI | CAN | MAM | EYE | AQU **2-ACRYLAMIDO-2-METHYLPROPANESULFONATE** LT-UNK | EYE] **WATER [WATER** BM-4] **PIGMENT [TITANIUM DIOXIDE** BM-1 | CAN | END | MAM] **ADDITIVE [TEXANOL** LT-UNK | CAN | AQU] **THICKENER [HYDROXYETHYL CELLULOSE** LT-P1 | END] **BUFFER [AMMONIA** LT-P1 | END | MUL | MAM | SKI | AQU | EYE | PHY] **BIOCIDE [KATHON 886** LT-P1 | MUL | SKI | AQU | MAM | EYE]

Number of Greenscreen BM-4/BM3 contents ... 1

Contents highest-concern GreenScreen score(s) (BM-1, LT-1, LT-P1) ... BM-1, LT-P1

Nanomaterial ... No

INVENTORY AND SCREENING NOTES:

This HPD was produced using primary information from the manufacturer, including CAS numbers and SDS when needed. The manufacturer has made every effort to report the substances in this product to the listed threshold. This is a voluntary, self-reported effort. Any errors or omissions shall be considered a human error and therefore reported to the manufacturer. The manufacturer shall not be liable for omissions. All materials/substances present in the final product were screened at or above 100 ppm, and all potential hazards associated with the product have been disclosed.

VOLATILE ORGANIC COMPOUND (VOC) CONTENT

Material (g/l): 11 Regulatory (g/l): 50
Does the product contain exempt VOCs: No
Are colorants available that do not increase the VOC content of the base paint when tinted: N/A

CERTIFICATIONS AND COMPLIANCE *See Section 3 for additional listings.*

VOC emissions: CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario
VOC content: MAS Certified Green - VOC Content

CONSISTENCY WITH OTHER PROGRAMS

Pre-checked for LEED v4 Option 1.
Pre-checked for LEED v4.1 Option 1.

Third Party Verified?
- ( ) Yes
- (•) No

PREPARER: Self-Prepared
VERIFIER:
VERIFICATION #:

SCREENING DATE: 2025-06-26
PUBLISHED DATE: 2025-08-05
EXPIRY DATE: 2028-06-26

Section 2: Content in Descending Order of Quantity

This section lists contents in a product based on specific threshold(s) and reports detailed health information including hazards. This HPD uses the inventory method indicated above, which is one of three possible methods:

- *Basic Inventory method with Product-level threshold.*
- *Nested Material Inventory method with Product-level threshold*
- *Nested Material Inventory method with individual Material-level thresholds*

Definitions and requirements for the three inventory methods and requirements for each data field can be found in the HPD Open Standard version 2.3, available on the HPDC website at: www.hpd-collaborative.org/hpd-2-3-standard

BINDER **%: 20.0000 - 40.0000**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: The actual percenatge of composition has been withheld to protect proprietary formulation details and intellectual property rights.

METHYL METHACRYLATE ID: **80-62-6**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 0:22:37**

%: **40.0000 - 60.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
PHY	EU - GHS (H-Statements) Annex 6 Table 3-1	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
SKI	GHS - New Zealand	Skin sensitisation category 1
SKI	GHS - Malaysia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
PHY	GHS - New Zealand	Flammable liquids category 2
PHY	GHS - Japan	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
PHY	GHS - Malaysia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]
PHY	GHS - Australia	H225 - Highly flammable liquid and vapour [Flammable liquids - Category 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Perkins+Will (P+W)	P&W - Precautionary List Precautionary list of substances recommended for avoidance
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products

SUBSTANCE NOTES: No GreenScreen score or hazard assessment exists for the given CAS RN per the Pharos database. To disclose all potential hazards associated with the chemical used, it was analyzed into its likely constituent components. Data gaps were addressed using information from the Pharos database and publicly available PDS/SDS documentation relevant to the material in question. It's important to note that the composition and ingredients listed are intended for informational and screening purposes only and are not 100% guaranteed to be present in the actual product.

BUTYL ACRYLATE

ID: **141-32-2**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 0:22:37**

%: **20.0000 - 36.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
EYE	GHS - Australia	H319 - Causes serious eye irritation [Serious eye damage/eye irritation - Category 2A]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]
MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
MAM	GHS - Japan	H331 - Toxic if inhaled [Acute toxicity (inhalation: vapor) - Category 3]
MAM	GHS - New Zealand	Acute inhalation toxicity category 3
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
SKI	GHS - New Zealand	Skin sensitisation category 1
REP	GHS - New Zealand	Reproductive toxicity category 2
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
MAM	Québec CSST - WHMIS 1988	Class D1A - Very toxic material causing immediate and serious toxic effects
EYE	GHS - Japan	H319 - Causes serious eye irritation [Serious eye damage / eye irritation - Category 2A]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Some Solvents

SUBSTANCE NOTES: Please refer to the substance notes for methyl methacrylate.

2-ETHYLHEXYL ACRYLATE

ID: **103-11-7**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 0:22:38**

%: **5.0000 - 15.0000** GreenScreen: **BM-2** RC: **None** NANO: **No** SUBSTANCE ROLE: **Monomer**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
SKI	MAK	Sensitizing Substance Sh - Danger of skin sensitization
CAN	CA EPA - Prop 65	Carcinogen
CAN	IARC	Group 2b - Possibly carcinogenic to humans
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
MAM	GHS - Japan	H335 - May cause respiratory irritation [Specific target organ toxicity - Single exposure - Category 3]
SKI	GHS - New Zealand	Skin irritation category 2
EYE	GHS - New Zealand	Eye irritation category 2
SKI	GHS - Australia	H315 - Causes skin irritation [Skin corrosion/irritation - Category 2]
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	GHS - New Zealand	Specific target organ toxicity - repeated exposure category 1
SKI	GHS - Japan	H315 - Causes skin irritation [Skin corrosion / irritation - Category 2]
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3
SKI	GHS - New Zealand	Skin sensitisation category 1
AQU	GHS - Japan	H401 - Toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 2]
AQU	GHS - Japan	H411 - Toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Please refer to the substance notes for methyl methacrylate.

2-ACRYLAMIDO-2-METHYLPROPANESULFONATE ID: **15214-89-8**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 0:22:38**

%: **1.0000 - 5.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Water resistance**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
EYE	GHS - New Zealand	Serious eye damage category 1

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Please refer to the substance notes for methyl methacrylate.

WATER **%: 30.0000 - 40.0000**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Other: Water

RESIDUALS AND IMPURITIES NOTES: No residuals or impurities are registered for this chemical per the Pharos database.

OTHER MATERIAL NOTES:

WATER ID: **7732-18-5**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 0:22:39**

%: **100.0000** GreenScreen: **BM-4** RC: **None** NANO: **No** SUBSTANCE ROLE: **Solvent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
None found		No warnings found on HPD Priority Hazard Lists

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
EXEMPT	European Union / European Commission (EU EC)	EU - REACH Exemptions Exempted from REACH Annex IV listing due to intrinsic safety

SUBSTANCE NOTES:

PIGMENT **%: 5.0000 - 15.0000**

PRODUCT THRESHOLD: 100 ppm RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes MATERIAL TYPE: Geologically Derived Material

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES: The actual percenatge of composition has been withheld to protect proprietary formulation details and intellectual property rights.

TITANIUM DIOXIDE ID: **13463-67-7**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 0:22:37**

%: **100.0000** GreenScreen: **BM-1** RC: **UNK** NANO: **Unknown** SUBSTANCE ROLE: **Pigment**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	US CDC - Occupational Carcinogens	Occupational Carcinogen
CAN	CA EPA - Prop 65	Carcinogen - specific to chemical form or exposure route
CAN	IARC	Group 2B - Possibly carcinogenic to humans - inhaled from occupational sources
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
CAN	MAK	Carcinogen Group 4 - Non-genotoxic carcinogen with low risk under MAK/BAT levels
CAN	IARC	Group 2b - Possibly carcinogenic to humans
CAN	EU - GHS (H-Statements) Annex 6 Table 3-1	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
CAN	GHS - Japan	H351 - Suspected of causing cancer [Carcinogenicity - Category 2]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Children's Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Formulated Consumer Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
POSITIVE LIST	US Environmental Protection Agency (US EPA)	US EPA - DfE Safer Chemicals Ingredients list (SCIL) Colorants - Green Circle (Verified Low Concern)
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Cosmetics and Personal Care Products

SUBSTANCE NOTES: No residuals or impurities are expected to be present at or above 100 ppm.

ADDITIVE **%: 1.0000 - 3.0000**

PRODUCT THRESHOLD: 100 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Other: Organic compound

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

TEXANOL ID: **25265-77-4**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 0:22:38**

%: **100.0000** GreenScreen: **LT-UNK** RC: **None** NANO: **No** SUBSTANCE ROLE: **Coalescent**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
CAN	MAK	Carcinogen Group 3A - Evidence of carcinogenic effects but not sufficient to establish MAK/BAT value
AQU	GHS - New Zealand	Hazardous to the aquatic environment - chronic category 3

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: No residuals or impurities are expected to be present at or above 100 ppm.

THICKENER **%: 0.4000 - 0.6000**

PRODUCT THRESHOLD: 100 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Polymeric Material

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

HYDROXYETHYL CELLULOSE

ID: **9004-62-0**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 0:22:38**

%: **99.9000 - 100.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Viscosity modifier**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
None found		No listings found on Additional Hazard Lists

SUBSTANCE NOTES: Residuals or impurities are quantitatively measured and listed in this HPD when greater than or equal to 100 ppm.

BUFFER

%: 0.0100 - 0.0800

PRODUCT THRESHOLD: 100 ppm

RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes

MATERIAL TYPE: Other: Inorganic compound

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

AMMONIA

ID: **7664-41-7**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 0:22:39**

%: **99.0000 - 100.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Buffer**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
END	TEDX - Potential Endocrine Disruptors	Potential Endocrine Disruptor
MUL	German FEA - Substances Hazardous to Waters	Class 3 - Severe Hazard to Waters
MAM	US EPA - EPCRA Extremely Hazardous Substances	Extremely Hazardous Substances
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
MAM	GHS - Japan	H372 - Causes damage to organs through prolonged or repeated exposure [Specific target organs/systemic toxicity following repeated exposure - Category 1]

MAM	GHS - Japan	H370 - Causes damage to organs [Specific target organs/systemic toxicity following single exposure - Category 1]
EYE	GHS - New Zealand	Serious eye damage category 1
EYE	GHS - Japan	H318 - Causes serious eye damage [Serious eye damage / eye irritation - Category 1]
SKI	GHS - Japan	H314 - Causes severe skin burns and eye damage [Skin corrosion / irritation - Category 1]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
MAM	GHS - New Zealand	Acute inhalation toxicity category 3
AQU	GHS - New Zealand	Hazardous to the aquatic environment - acute category 1
AQU	GHS - Korea	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
SKI	GHS - Korea	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]
SKI	GHS - New Zealand	Skin corrosion category 1B
MAM	Québec CSST - WHMIS 1988	Class D1A - Very toxic material causing immediate and serious toxic effects
MAM	GHS - Malaysia	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
SKI	GHS - Malaysia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
EYE	GHS - Malaysia	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
MAM	GHS - Australia	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]
PHY	GHS - Korea	H220 - Extremely flammable gas [Flammable gases - Category 1]
PHY	Québec CSST - WHMIS 1988	Class B1 - Flammable gases
PHY	GHS - Japan	H220 - Extremely flammable gas [Flammable gases - Category 1]
AQU	GHS - Malaysia	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Australia	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
MAM	GHS - Korea	H331 - Toxic if inhaled [Acute toxicity (inhalation) - Category 3]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Cosmetics & Personal Care Products
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.1 Product Standard Restricted Substances - Effective July 1, 2024 Cosmetics and Personal Care Products

SUBSTANCE NOTES: Residuals or impurities are quantitatively measured and listed in this HPD when greater than or equal to 100 ppm.

BIOCIDE **%: 0.0100**

PRODUCT THRESHOLD: 100 ppm | RESIDUALS AND IMPURITIES EVALUATION COMPLETED: Yes | MATERIAL TYPE: Other: Organic compound

RESIDUALS AND IMPURITIES NOTES: The threshold applied to Residuals and Impurities (R/I) is the same as that applied to intentionally added substances, i.e., 100 ppm or 1000 ppm. For this product, no actual material has been tested. Therefore, residuals and impurities are for informational purposes only and are not a guarantee of presence in the actual building material. Pharos and PubChem (formerly TOXNOT) are the main databases for researching potential residuals and impurities. Any R/I above the threshold shall be listed on the HPD; otherwise, if none are listed, then no residuals or impurities are common in that substance above the threshold.

OTHER MATERIAL NOTES:

KATHON 886 ID: **55965-84-9**

HAZARD DATA SOURCE: **Pharos Chemical and Materials Library** HAZARD SCREENING DATE: **2025-06-26 0:22:39**

%: **100.0000** GreenScreen: **LT-P1** RC: **None** NANO: **No** SUBSTANCE ROLE: **Antimicrobial Pesticide**

HAZARD TYPE	LIST NAME AND SOURCE	WARNINGS
MUL	German FEA - Substances Hazardous to Waters	Class 2 - Hazard to Waters
SKI	EU - GHS (H-Statements) Annex 6 Table 3-1	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	EU - GHS (H-Statements) Annex 6 Table 3-1	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
EYE	EU - GHS (H-Statements) Annex 6 Table 3-1	H318 - Causes serious eye damage [Serious eye damage/eye irritation - Category 1]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]
MAM	EU - GHS (H-Statements) Annex 6 Table 3-1	H310 - Fatal in contact with skin [Acute toxicity (dermal) - Category 1 or 2]
SKI	GHS - Australia	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1A or 1B or 1C]
AQU	GHS - Australia	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
AQU	GHS - Korea	H400 - Very toxic to aquatic life [Hazardous to the aquatic environment (acute) - Category 1]
AQU	GHS - Korea	H410 - Very toxic to aquatic life with long lasting effects [Hazardous to the aquatic environment (chronic) - Category 1]
SKI	GHS - Korea	H314 - Causes severe skin burns and eye damage [Skin corrosion/irritation - Category 1]
MAM	GHS - Korea	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - Australia	H301 - Toxic if swallowed [Acute toxicity (oral) - Category 3]
MAM	GHS - Korea	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 2]
MAM	GHS - Australia	H330 - Fatal if inhaled [Acute toxicity (inhalation) - Category 1 or 2]
MAM	GHS - Korea	H310 - Fatal in contact with skin [Acute toxicity (dermal) - Category 1]
MAM	GHS - Australia	H310 - Fatal in contact with skin [Acute toxicity (dermal) - Category 1 or 2]

ADDITIONAL LISTINGS	LIST NAME AND SOURCE	NOTIFICATION
RESTRICTED LIST	Green Science Policy Institute (GSPI)	GSPI - Six Classes Precautionary List Antimicrobials
RESTRICTED LIST	Cradle to Cradle Products Innovation Institute (C2CPII)	C2C Certified v4.0 Product Standard Restricted Substances List (RSL) - Effective July 1, 2022 Core Restrictions

SUBSTANCE NOTES: No residuals or impurities are expected to be present at or above 100 ppm.

Section 3: Certifications and Compliance

This section lists applicable certification and standards compliance information for VOC emissions and VOC content. Other types of health or environmental performance testing or certifications completed for the product may be provided.

VOC EMISSIONS — **CDPH Standard Method V1.2 (Section 01350/CHPS) - Classroom & Office scenario**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Berger Paints Emirates Ltd. Co. L.L.C. P.O. Box 27524, Al Qouz 1, Dubai, U.A.E.
CERTIFICATE URL:

ISSUE DATE: 2025-01-14 00:00:00
EXPIRY DATE:

CERTIFIER OR LAB: Middle East Testing Services L.L.C.

CERTIFICATION AND COMPLIANCE NOTES: Report # MR-261224-223

VOC CONTENT — **MAS Certified Green - VOC Content**

CERTIFYING PARTY: Third Party
APPLICABLE FACILITIES: Berger Paints Emirates Ltd. Co. L.L.C. P.O. Box 27524, Al Qouz 1, Dubai, U.A.E.
CERTIFICATE URL:

ISSUE DATE: 2024-03-30 00:00:00
EXPIRY DATE:

CERTIFIER OR LAB: Wimpey Laboratories LLC

CERTIFICATION AND COMPLIANCE NOTES: This is not a MAS Certified Green – VOC Content certification; however, it is the only available option to comply with the HPDC requirements. The third-party certifier reported the VOC content, Wimpey Laboratories LLC, under report # WD-R-240118-0990/43

Section 4: Accessories

This section lists related products or materials that the manufacturer requires or recommends for installation (such as adhesives or fasteners), maintenance, cleaning, or operations. For information relating to the contents of these related products, refer to their applicable Health Product Declarations, if available.

No accessories are required for this product.

Section 5: General Notes

Recommended Areas of Application

Area of use : Interior and exterior
Substrate : Concrete and brick walls , plastered surfaces and other masonary surfaces.
Physical Data
% Elongation
At 35°C 260%
Dirt Pick-up resistance - Excellent.

Application Data

Method of application
Texture Roller : Recommended method of application
Airless spray : Tip size 0.38-0.48 mm (0.015 -0.019 m)
Pressure : 110-150 kg/cm2 (1600-2100 psi)
Brush : Only for touching-up and areas not accessible by recommended methods.
Additional Information
Thinner : Fresh water (Maximum 5% dilution)
Cleaning Solvent : Water
Storage Instructions : Store in a cool shaded dry area
Flash Point : NA
Packaging : NIL

Section 6: References

MANUFACTURER INFORMATION

MANUFACTURER: **Berger Paints Emirates Ltd. Co. L.L.C.**
ADDRESS: **P.O. Box 27524, Al Qouz 1, Dubai, U.A.E.**
Dubai, Dubai 27524
COUNTRY: **United Arab Emirates**

WEBSITE: **https://www.asianpaints.com/**
CONTACT NAME: **Shirouz Sharafuddeen**
TITLE: **Officer - Technology**
PHONE: **00971-43391000**
EMAIL: **shirouz.sharafuddeen@asianpaints.com**

The listed contact is responsible for the validity of this HPD and attests that it is accurate and complete to the best of his or her knowledge.

KEY

Hazard Types

AQU Aquatic toxicity
CAN Cancer
DEV Developmental toxicity
END Endocrine activity
EYE Eye irritation/corrosivity
GEN Gene mutation
GLO Global warming
LAN Land toxicity
MAM Mammalian/systemic/organ toxicity
MUL Multiple
NEU Neurotoxicity
NF Not found on Priority Hazard Lists
OZO Ozone depletion
PBT Persistent, bioaccumulative, and toxic
PHY Physical hazard (flammable or reactive)
REP Reproductive
RES Respiratory sensitization
SKI Skin sensitization/irritation/corrosivity
UNK Unknown

GreenScreen (GS)

BM-4 Benchmark 4 (prefer-safer chemical)
BM-3 Benchmark 3 (use but still opportunity for improvement)
BM-2 Benchmark 2 (use but search for safer substitutes)
BM-1 Benchmark 1 (avoid - chemical of high concern)
BM-U Benchmark Unspecified (due to insufficient data)
LT-P1 List Translator Possible 1 (Possible Benchmark-1)
LT-1 List Translator 1 (Likely Benchmark-1)
LT-UNK List Translator Benchmark Unknown
NoGS No GreenScreen.

GreenScreen Benchmark scores sometimes also carry subscripts, which provide more context for how the score was determined. These are DG (data gap), TP (transformation product), and CoHC (chemical of high concern). For more information, see 2.2.2.4 GreenScreen® for Safer Chemicals, www.greenscreenchemicals.org, and Best Practices for Hazard Screening on the HPDC website (hpd-collaborative.org).

Recycled Types

PreC Pre-consumer recycled content
PostC Post-consumer recycled content
UNK Inclusion of recycled content is unknown
None Does not include recycled content

Other Terms:

GHS SDS Globally Harmonized System of Classification and Labeling of Chemicals Safety Data Sheet

Inventory Methods:

Nested Method / **Material Threshold** Substances listed within each material per threshold indicated per material
Nested Method / **Product Threshold** Substances listed within each material per threshold indicated per product
Basic Method / **Product Threshold** Substances listed individually per threshold indicated per product

Nano Composed of nano scale particles or nanotechnology
Third Party Verified Verification by independent certifier approved by HPDC
Preparer Third party preparer, if not self-prepared by manufacturer
Applicable facilities Manufacturing sites to which testing applies

The Health Product Declaration (HPD) Open Standard provides for the disclosure of product contents and potential associated human and environmental health hazards. Hazard associations are based on the HPD Priority Hazard Lists, the GreenScreen List Translator™, and when available, full GreenScreen® assessments. The HPD Open Standard v2.1 is not:

- *a method for the assessment of exposure or risk associated with product handling or use,*
- *a method for assessing potential health impacts of: (i) substances used or created during the manufacturing process or (ii) substances created after the product is delivered for end use.*

Information about life cycle, exposure and/or risk assessments performed on the product may be reported by the manufacturer in appropriate Notes sections, and/or, where applicable, in the Certifications section.

The HPD Open Standard was created and is supported by the Health Product Declaration Collaborative (the HPD Collaborative), a customer-led organization composed of stakeholders throughout the building industry that is committed to the continuous improvement of building products through transparency, openness, and innovation throughout the product supply chain.

The product manufacturer and any applicable independent verifier are solely responsible for the accuracy of statements and claims made in this HPD and

for compliance with the HPD standard noted.