

Ref: AE11/TF/PP/23911

Date: Sep 11<sup>th</sup>, 2023**TO WHOMSOEVER IT MAY CONCERN****Subject : Smart Care Flexidex**

We hereby confirm the values for below parameters for the subject paint:

Properties	Value
pH	>8
Toxicity	Non-toxic

Thanks & regards  
For **Berger Paints Emirates Ltd. Co. L.L.C.**Dipankar Roy  
R&D Manager



## TEST REPORT ON DENSITY

Client	Berger Paints Emirates Ltd Co LLC P.O Box: 27524 Dubai, UAE		
Project Name	N.G	Lab Report No.	WD-R-240401-0638
Sample Description	Smartcare Flexidex	Lab Request No.	WD-Q-240401-0142
Source	Berger Paints Emirates Ltd Co LLC	Sample No.	WD-S-240401-0621
Client's Ref.	N.G	Date Received	01/04/2024
Test Method	ASTM D1475-13(2020)	Date Tested	01/04/2024
Sample brought in by	Client	Date Reported	02/04/2024
Temperature & Relative Humidity	23±2°C & 50±5%	Sampling Date	N.G
Wimpey Ref. No.	24040149	Tested By	SU

### Test Result

Test	Unit	Result
Density	g/cc	1.28

Remarks: None

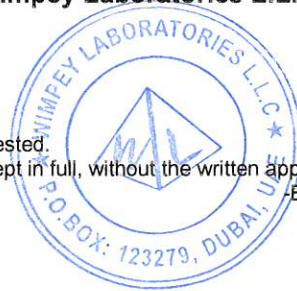
Signed for and on behalf of Wimpey Laboratories L.L.C.

S.Sarath Kumar  
Head of Department

Test results relate only to the samples tested.

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## VOC EMISSION TEST REPORT

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

Report No: WD-R-250410-0772  
Sample No: WD-S-250410-0560  
Date of Report: 08/05/2025

**Introduction:** As per the request received from M/s. BERGER PAINTS EMIRATES LTD CO (L.L.C.) on 10<sup>th</sup> April 2025, the sample of Smartcare Flexidex was tested for the below parameters.

### 1. Sample Information

Manufacturer	M/s. BERGER PAINTS EMIRATES LTD CO (L.L.C.)
Request Number	WD-Q-250410-0147
Product Description	Smartcare Flexidex
Product Reference	-
Date of Sample collection	10/04/2025
Tested By	AY
Testing Period	17/04/2025-08/05/2025

### 2. Evaluation of the Results

- VOC measurements determining the suitability of a product are made after the specimen has been exposed for a total of 14 days as per CDPH Standard Method V1.2. 2017.
- For general emission evaluation, private office scenario/School classroom scenario used as per CDPH guidelines.

Test	Method	Unit	Average
TVOC	CDPH Standard Method V1.2 U.S. EPA Methods TO17	mg/m <sup>3</sup>	<0.01
Individual VOC		µg/m <sup>3</sup>	Not detected*
Formaldehyde	CDPH Standard Method V1.2 ASTM D5197-03	µg/m <sup>3</sup>	Not detected*
Total Aldehydes		µg/m <sup>3</sup>	Not detected*

\*Note: LOD of the test method is 1 µg/m<sup>3</sup>. Below LOD is considered as 'Not detected' or 'Nil'.



## Table of Contents

1. Sample information
2. Evaluation of the results
3. Test method
4. Test results
  - 4.1 Measured Emissions after 11<sup>th</sup> day
  - 4.2 Measured Emissions after 12<sup>th</sup> day
  - 4.3 Measured Emissions after 14<sup>th</sup> day-Target VOCs
5. IAQ modeling
6. Test conclusion

### 3. Test Method

Sample preparation, Environmental Chamber operation, sampling and analysis followed the California Department of Public Health "Standard method for the testing and evaluation of volatile organic chemical emissions from indoor sources using environmental chambers version 1.2, January 2017, per the acceptable alternative detailed in Section 8.5 therein.

#### Test Chamber Parameters

Chamber Volume	: 0.65 m <sup>3</sup>
Temperature	: 23±1 °C
Relative Humidity	: 50±5 %
Area of test specimen	: 0.36 m <sup>2</sup>
Air exchange rate, 1/h	: 1±0.05
Loading Ratio	: 0.553 m <sup>2</sup> /m <sup>3</sup>

#### Sample Preparation

The test was started on 17<sup>th</sup> April 2025. The test specimen was placed in a separate conditioning container in a room with controlled climate conditions of 23±1°C and 50±5% RH.

After 10 days of conditioning the specimen was placed in an emission chamber of stainless steel.



Analytical methods and Reporting limits#

Analytical method	Instrumentation	Parameter	Reporting limit
USEPA TO17	GC/MS/HS	Individual VOC	1µg/m <sup>3</sup>
USEPA TO17	GC/MS/HS	TVOC	0.01mg/m <sup>3</sup>
ASTM D5197	HPLC/UV	Low molecular weight aldehydes	1µg/m <sup>3</sup>

#Deviation from the test method: Followed section 8.5 acceptable alternative sampling scheme.

TVOC defined as C<sub>6</sub>-C<sub>16</sub>.

#### 4. Test Results

##### 4.1. Measured Emissions after 11<sup>th</sup> day. (24 Hrs. after conditioning.)

Compound	CAS No.	Chamber Concentration (µg/m <sup>3</sup> )	Emission rate (µg/m <sup>2</sup> *h)
TVOC (C <sub>6</sub> -C <sub>16</sub> )	-	<10	<10
Formaldehyde	50-00-0	Not detected*	Not detected*

##### 4.2. Measured Emissions after 12<sup>th</sup> day. (48 Hrs. after conditioning.)

Compound	CAS No.	Chamber Concentration (µg/m <sup>3</sup> )	Emission rate (µg/m <sup>2</sup> *h)
TVOC (C <sub>6</sub> -C <sub>16</sub> )	-	<10	<10
Formaldehyde	50-00-0	Not detected*	Not detected*



Report No: WD-R-250410-0772

4.3. Measured Emissions after 14<sup>th</sup> day. (96 Hrs. After conditioning.)

TVOC and Complete characterization of TVOC

Compound	CAS No.	Chamber concentration (µg/m <sup>3</sup> )	Emission rate (µg/m <sup>2</sup> *h)	Allowable concentration UL 2818 (mg/m <sup>3</sup> )	Compliance of emission result			
					CREL	CA Prop 65	CARB TAC	UL 2818
TVOC (C <sub>6</sub> -C <sub>16</sub> )	-	<10	<10	0.5 <sup>u</sup>	-	-	-	✓

Carcinogenic VOCs compounds classified under category 1A & 1B regulation EC. No 1272/2008 listed as per below

Compounds	CAS No.	Chamber concentration (µg/m <sup>3</sup> )	Emission rate (µg/m <sup>2</sup> *h)	Allowable concentration CREL (µg/m <sup>3</sup> )	Compliance of emission result			
					1/2CREL	CA Prop 65	CARB TAC	UL 2818
Acetaldehyde	75-07-0	Not detected*	Not detected*	70	✓	✓	✓	
Formaldehyde	50-00-0	Not detected*	Not detected*	9	✓	✓	✓	✓
Benzene	71-43-2	Not detected*	Not detected*	1.5	✓	✓	✓	
Chlorobenzene	108-90-7	Not detected*	Not detected*	500	✓	✓	✓	
Chloroform	67-66-3	Not detected*	Not detected*	150	✓	✓	✓	
Ethyl Benzene	100-41-4	Not detected*	Not detected*	1000	✓	✓	✓	
Isophorone	78-59-1	Not detected*	Not detected*	1000	✓	✓	✓	✓
Iso Propanol	67-63-0	Not detected*	Not detected*	3500	✓	✓	✓	
Phenol	108-95-2	Not detected*	Not detected*	100	✓	✓	✓	
Toluene	108-88-3	Not detected*	Not detected*	150	✓	✓	✓	
Xylenes	108-38-3 95-47-6 106-42-3	Not detected*	Not detected*	350	✓	✓	✓	

\*Note: LOD of the test method is 1 µg/m<sup>3</sup>. Below LOD is considered as 'Not detected' or 'Nil'.

Page 04 of 05



### 5. IAQ Modeling; Private office

The CDPH method requires calculation of the measured emission rates into concentrations in given Reference rooms.

Scenario	Standard office	Resulting VOC ( $\mu\text{g}/\text{m}^2\cdot\text{hr}$ )	Limit ( $\mu\text{g}/\text{m}^2\cdot\text{hr}$ )
Area specific emission rate, $\mu\text{g}/(\text{m}^2\cdot\text{h})$ obtained	<10	<10	694
Air change, $\text{h}^{-1}$	0.68		
Volume of reference room, $\text{m}^3$	30.6		
Total Surface area	47.93		
ASHRAE Outdoor air flow rate	20.7		

#### Categories of Identify:

1. Identified and quantified with authentic standard via HPLC/UV analysis.
2. Identified and quantified with authentic standard via GC/MS analysis.
3. Identified by comparison with a mass spectrum obtained from library, match quality  $\geq 90\%$ . Quantified using toluene as a surrogate compound.
4. Tentatively identified by comparison with a mass spectrum obtained from library, match quality  $\geq 75\%$  and  $< 90\%$ . Quantified using toluene as a surrogate compound.
5. Potential identification by comparison with a mass spectrum obtained from library, match quality  $< 75\%$ . Quantified using toluene as a surrogate compound.
6. CREL- CRELs are inhalation concentrations to which the general population, including sensitive individuals, may be exposed for long periods (10 years or more) without the likelihood of serious adverse systemic effects (excluding cancer).
7. CARB TAC - The TAC list includes all substances on the EPA list of Hazardous Air Pollutants plus additional compounds.
8. CA Prop 65- lists of known or probable human carcinogens and reproductive/developmental toxins

### 6. Test conclusion

1. Based on the above test result, Total volatile organic component (TVOC) emission is in compliance with the emission limits as per UL 2818.
2. Test results for individual components are in compliance with CDPH –CREL VOC regulation.

#### Signed for and on behalf of Wimpey Laboratories LLC

#### Anandu VS Section Incharge Chemistry-Specialty

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## TEST REPORT ON TEAR STRENGTH

Customer Name	Berger Paints Emirates LTD Co LLC PO Box: 27524 Dubai, UAE		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-231111-0408/1
Source	Berger Paints Emirates LTD Co LLC	Request No.	WD-Q-231111-0110
Test Method	ASTM D624-00(2021)	Sample No.	WD-S-231111-0379
Curing Conditioned and Room Atmospheric condition	23±2°C 50%±5%	Date Received	11/11/2023
Type of machine used	UTM Machine H25KT	Date Tested	23/11/2023
Speed of Testing	500 mm/minute	Date Reported	25/11/2023
Wimpey Ref No.	23111136	Tested By	RB

### Test Results

Specimen Number	Thickness (mm)	Tear Strength (N/mm)
1	1.01	18.2
2	1.02	18.3
3	1.05	17.9
4	0.98	18.5
5	1.01	18.1
Average		18.2

Remarks: None

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

S. Sarath Kumar  
Head of Department

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## TEST REPORT ON SOLID CONTENT

Customer Name	Berger Paints Emirates LTD Co LLC PO Box: 27524 Dubai, UAE		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-231111-0408/2
Source	Berger Paints Emirates LTD Co LLC	Request No.	WD-Q-231111-0110
Client's Ref.	N.G	Sample No.	WD-S-231111-0379
Test Method	ASTM D2369-20	Date Received	11/11/2023
Sample brought in by	Client	Date Tested	23/11/2023
Temperature & Relative Humidity	23°C & 50%	Date Reported	25/11/2023
Wimpey Ref. No.	23111136	Tested By	RB

### Test Result

Test	Unit	Result
Solid Content	% by weight	67.57

Remarks: None

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S. Sarath Kumar  
Head of Department

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## TEST REPORT SWELLING RATIO

Customer Name	Berger Paints Emirates LTD Co LLC PO Box: 27524 Dubai, UAE		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-231111-0408/3
Source	Berger Paints Emirates LTD Co LLC	Request No.	WD-Q-231111-0110
Client's Ref.	N.G	Sample No.	WD-S-231111-0379
Test Method	ASTM D471-16a(2021)	Date Received	11/11/2023
Room Temperature	23°C	Date Tested	23/11/2023
Relative Humidity	50%	Date Reported	25/11/2023
Wimpey Ref Number	23111136	Tested By	RB

### Test Results

Test	Unit	Result
Swelling Ratio	% by Volume	6.5

Remarks: None.

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S. Sarath Kumar  
Head of Department

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## TEST REPORT ON DRYING TIME

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/1
Source	Berger Paints Emirates Ltd Co LLC	Request No.	WD-Q-250104-0125
Test Method	ASTM D1640/D1640M-14(2022)	Sample No.	WD-S-250104-0477
Client's Reference	N.G	Date Received	04/01/2025
Test Temperature	23°C	Date Test completed	08/01/2025
Relative Humidity	50%	Date Reported	10/03/2025
Wimpey Ref. No.	250104037	Tested By	SU

### Test Result

Test	Unit	Result
Drying Time	Minutes	50

Remarks: None.

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**S. Sarath Kumar**  
Head of Department

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## TEST REPORT ON TENSILE STRENGTH

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/2
Source	N.G	Request No.	WD-Q-250104-0125
Curing and test condition	Temperature: 23°C Relative Humidity: 50%	Sample No.	WD-S-250104-0477
Test Method	ASTM D2370-16(2021)	Date Received	04/01/2025
Rate of Speed	50 mm/minute	Curing Time	7 days
Wimpey Ref. No.	250104037	Date Test completed	15/01/2025
Tested by	PK	Date Reported	10/03/2025

### Test Results

Specimen Number	Width (mm)	Thickness (mm)	Maximum Force (N)	Tensile Strength (N/mm <sup>2</sup> )
1	25.0	1.18	54.6	1.85
2	25.0	1.28	60.2	1.88
3	25.0	1.22	58.0	1.90
4	25.0	1.26	56.7	1.80
5	25.0	1.30	61.1	1.88
<b>Average</b>				1.86

Remarks: None

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

  
S. Sarath Kumar  
Head of Department

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## TEST REPORT ON TEAR STRENGTH

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/3
Source	N.G	Request No.	WD-Q-250104-0125
Client Reference	N.G	Sample No.	WD-S-250104-0477
Test Method	ASTM D624-00(2020)	Date Received	04/01/2025
Curing Conditioned and Room Atmospheric condition	23°C 50%	Date Test completed	15/01/2025
Type of machine used	UTM Machine H25KT	Date Reported	10/03/2025
Speed of Testing	500 mm/minute	Sample brought in by	Client
Wimpey Ref. No.	250104037	Tested By	SU

### Test Results

Sample Reference	Thickness (mm)	Tear Strength (lbf/inch)
1	2.01	109.2
2	2.02	111.3
3	2.01	114.8
4	2.02	103.2
5	2.02	110.8
Average		109.9

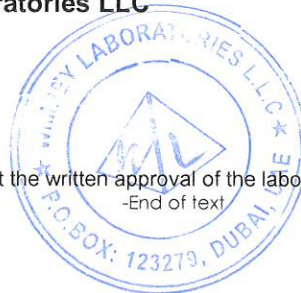
Remarks: None

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Head of Department

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## TEST REPORT ON WATER VAPOUR TRANSMISSION

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/4
Source	N.G	Request No.	WD-Q-250104-0125
Test Method	ISO 7783:2018	Sample No.	WD-S-250104-0477
Temperature in Test Chamber	23°C	Wimpey Ref. No.	250104037
Relative Humidity in Test Chamber	50%	Date Received	15/01/2025
Test Area	33.18 cm <sup>2</sup>	Date Test completed	07/01/2025
Total Cycles	Continuous mode up to constant	Date Reported	10/03/2025
Sample Reference	N.G	Room Temperature	23°C
Specimen Thickness	2000 microns	Room Relative Humidity	50%
Client Reference	N.G	Tested By	SU

### Test Results

Test	Unit	Specimen 1	Specimen 2	Specimen 3	Average
Water Vapor Transmission (WVT)	PERMS	11.67	10.53	11.80	11.33
Water Vapour Diff. Resistance Coeff ( $\mu$ value)	-	149.5	154.0	147.0	150.2
Equivalent Air layer thickness (sd value)	m	0.299	0.308	0.294	0.300
Actual Dry Film Thickness	Microns	2000	2000	2000	2000

Remarks: None.

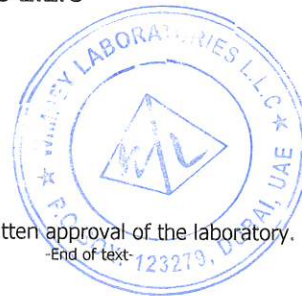
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Head of Department

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## TEST REPORT ON DIRT COLLECTION INDEX

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/5
Source	Berger Paints Emirates Ltd Co LLC	Request No.	WD-Q-250104-0125
Test Method	ASTM D3719-00	Sample No.	WD-S-250104-0477
Sample Preparation Method	ASTM D823-2018	Date Received	04/01/2025
Curing Condition	Temperature -23°C & Relative Humidity -50%	Test Date	27/02/2025
Wimpey Ref. No.	250104037	Date Reported	28/02/2025
Substrate Used	Concrete	Tested By	SU

### Test Result

Test	Results	
	Panel 1	Panel 2
Dirt Collection Index (%)	68.2	68.9

Remarks: None.

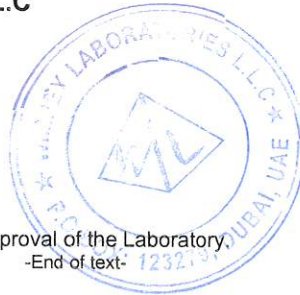
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Head of Department

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## TEST REPORT ON WEATHERING RESISTANCE (XENON ARC LIGHT APPARATUS)

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Project Name	N.G	Lab Report No.	WD-R-250104-0418/6
Sample Description	Smartcare Flexidex	Request No.	WD-Q-250104-0125
Source	Berger Paints Emirates Ltd Co LLC	Sample No.	WD-S-250104-0477
Client Reference	N.G	Date Received	04/01/2025
Test Method	ASTM D4798/D4798M-11(2021)	Casting Date	08/01/2025
Device Type	Xenon Arc Light Apparatus	Date Tested	15/01/2025 – 26/02/2025
Cycle	102 min dry at 65°C 18 min water spray	Date Reported	28/02/2025
Exposure Duration	1000 Hours	Room Temperature & Relative Humidity	23°C & 50%
Wimpey Ref. No.	250104037	Tested By	SC

### Test Results

Test	Observation
Artificial Weathering (1000 Hours)	No cracking, No chalking, No flaking, No wrinkling, No blistering and small color change were observed.

Remarks: None.

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

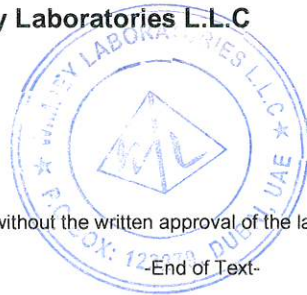
  
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Head of Department

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## TEST REPORT ON PEEL STRENGTH ON CONCRETE IN DRY CONDITION

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/7
Source	Berger Paints Emirates Ltd Co LLC	Request No.	WD-Q-250104-0125
Client's Ref.	N.G	Sample No.	WD-S-250104-0477
Curing and test condition	23°C 50% RH	Date Received	04/01/2025
Conditioning Method	ASTM C794-18(2022)	Casting Date	08/01/2025
Test Method	ASTM C794-18(2022)	Date Tested	15/01/2025
Substrate Used	Concrete	Date Reported	28/02/2025
Speed of Testing	152.4 mm/min	Sampling Date	N.G
Wimpey Ref. No.	250104037	Tested By	SU

### Test Results

Sample Reference	Width (mm)	Peel Strength (Pli)	Failure mode
WD-S-250104-0477	25.0	5.6	Cohesive failure observed from sample.
	25.0	6.2	
	25.0	5.2	
	25.0	5.9	
	25.0	6.5	
Average		5.9	-

Remarks: None.

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S.Sarath Kumar  
Head of Department

Test results relate only to the samples tested

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## TEST REPORT ON PEEL STRENGTH ON STEEL IN DRY CONDITION

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/8
Source	Berger Paints Emirates Ltd Co LLC	Request No.	WD-Q-250104-0125
Client's Ref.	N.G	Sample No.	WD-S-250104-0477
Curing and test condition	23°C 50% RH	Date Received	04/01/2025
Conditioning Method	ASTM C794-18(2022)	Casting Date	08/01/2025
Test Method	ASTM C794-18(2022)	Date Tested	15/01/2025
Substrate Used	Steel	Date Reported	28/02/2025
Speed of Testing	152.4 mm/min	Sampling Date	N.G
Wimpey Ref. No.	250104037	Tested By	SU

### Test Results

Sample Reference	Width (mm)	Peel Strength (Pli)	Failure mode
WD-S-250104-0477	25.0	5.33	Cohesive failure observed from sample.
	25.0	5.19	
	25.0	6.41	
	25.0	6.29	
	25.0	6.10	
Average		5.86	-

Remarks: None.

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

S.Sarath Kumar  
Head of Department

Test results relate only to the samples tested

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## TEST REPORT ON PEEL STRENGTH ON PU FOAM IN DRY CONDITION

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/9
Source	Berger Paints Emirates Ltd Co LLC	Request No.	WD-Q-250104-0125
Client's Ref.	N.G	Sample No.	WD-S-250104-0477
Curing and test condition	23°C 50% RH	Date Received	04/01/2025
Conditioning Method	ASTM C794-18(2022)	Casting Date	08/01/2025
Test Method	ASTM C794-18(2022)	Date Tested	15/01/2025
Substrate Used	PU FOAM	Date Reported	28/02/2025
Speed of Testing	152.4 mm/min	Sampling Date	N.G
Wimpey Ref. No.	250104037	Tested By	SU

### Test Results

Sample Reference	Width (mm)	Peel Strength (Pli)	Failure mode
WD-S-250104-0477	25.0	3.13	Failure observed from Substrate.
	25.0	3.10	
	25.0	3.11	
	25.0	3.19	
	25.0	3.14	
Average		3.13	-

**Remarks:** Substrate have less strength compared to test sample

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

**S.Sarath Kumar**  
Head of Department

Test results relate only to the samples tested

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## TEST REPORT ON PEEL STRENGTH ON CONCRETE IN WET CONDITION

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/10
Source	Berger Paints Emirates Ltd Co LLC	Request No.	WD-Q-250104-0125
Client's Ref.	N.G	Sample No.	WD-S-250104-0477
Curing and test condition	23°C 50% RH	Date Received	04/01/2025
Conditioning Method	ASTM C794-18(2022)	Casting Date	08/01/2025
Test Method	ASTM C794-18(2022)	Date Tested	15/01/2025
Substrate Used	Concrete	Date Reported	28/02/2025
Speed of Testing	152.4 mm/min	Sampling Date	N.G
Wimpey Ref. No.	250104037	Tested By	SU

### Test Results

Sample Reference	Width (mm)	Peel Strength (Pli)	Failure mode
WD-S-250104-0477	25.0	3.33	Cohesive failure observed from sample.
	25.0	3.19	
	25.0	3.41	
	25.0	4.29	
	25.0	4.10	
Average		3.66	-

Remarks: None.

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

S. Sarath Kumar  
Head of Department

Test results relate only to the samples tested

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## TEST REPORT ON PEEL STRENGTH ON STEEL IN WET CONDITION

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/11
Source	Berger Paints Emirates Ltd Co LLC	Request No.	WD-Q-250104-0125
Client's Ref.	N.G	Sample No.	WD-S-250104-0477
Curing and test condition	23°C 50% RH	Date Received	04/01/2025
Conditioning Method	ASTM C794-18(2022)	Casting Date	08/01/2025
Test Method	ASTM C794-18(2022)	Date Tested	15/01/2025
Substrate Used	Steel	Date Reported	28/02/2025
Speed of Testing	152.4 mm/min	Sampling Date	N.G
Wimpey Ref. No.	250104037	Tested By	SU

### Test Results

Sample Reference	Width (mm)	Peel Strength (Pli)	Failure mode
WD-S-250104-0477	25.0	3.23	Cohesive failure observed from sample.
	25.0	3.46	
	25.0	3.32	
	25.0	3.12	
	25.0	4.19	
<b>Average</b>		3.46	-

Remarks: None.

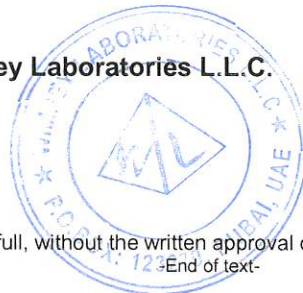
Signed for and on behalf of Wimpey Laboratories L.L.C.

S.Sarath Kumar  
Head of Department

Test results relate only to the samples tested

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## TEST REPORT ON PEEL STRENGTH ON PU FOAM IN WET CONDITION

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/12
Source	Berger Paints Emirates Ltd Co LLC	Request No.	WD-Q-250104-0125
Client's Ref.	N.G	Sample No.	WD-S-250104-0477
Curing and test condition	23°C 50% RH	Date Received	04/01/2025
Conditioning Method	ASTM C794-18(2022)	Casting Date	08/01/2025
Test Method	ASTM C794-18(2022)	Date Tested	15/01/2025
Substrate Used	PU FOAM	Date Reported	28/02/2025
Speed of Testing	152.4 mm/min	Sampling Date	N.G
Wimpey Ref. No.	250104037	Tested By	SU

### Test Results

Sample Reference	Width (mm)	Peel Strength (Pli)	Failure mode
WD-S-250104-0477	25.0	2.88	Failure observed from Substrate.
	25.0	2.93	
	25.0	2.43	
	25.0	2.62	
	25.0	2.52	
Average		2.68	-

Remarks: Substrate have less strength compared to test sample

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S. Sarath Kumar  
Head of Department

Test results relate only to the samples tested

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## TEST REPORT ON TENSILE STRENGTH AFTER 1000 HOURS UV

Client	Berger Paints Emirates Ltd Co LLC P.O Box : 27524		
Sample Description	Smartcare Flexidex	Lab Report No.	WD-R-250104-0418/14
Source	N.G	Request No.	WD-Q-250104-0125
Curing and test condition	Temperature: 23°C Relative Humidity: 50%	Sample No.	WD-S-250104-0477
Exposure Method	ASTM D4798/D4798M-11(2021)	Date Received	04/01/2025
Test Method	ASTM D2370-16(2021)	Curing Time	7 days
Rate of Speed	50 mm/minute	Date Tested	28/02/2025
Wimpey Ref. No.	250104037	Date Reported	28/02/2025
Tested by	PK		

### Test Results

Specimen Number	Width (mm)	Thickness (mm)	Maximum Force (N)	Tensile Strength (N/mm <sup>2</sup> )
1	25.0	1.22	83.9	2.75
2	25.0	1.25	93.1	2.98
3	25.0	1.28	89.6	2.80
4	25.0	1.22	88.5	2.90
5	25.0	1.31	96.3	2.94
Average				2.87

Remarks: None

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

S. Sarath Kumar  
Head of Department

Test results relate only to the samples tested

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