



GVM TEST HOUSE
AND RESEARCH CENTRE

23-24, Yashodeep Heights,
Plot No. 14/15, Sector 29C,
Rabale-Ghansoli Node,
Navi Mumbai - 400 701, INDIA.
Phone: +91 93244 69890
Email: lab@gvmtesthouse.com
www.gvmtesthouse.com



ISO 9001:2015 Certified

TESTING | TRAINING | AUDITING

Report No.: GVM: WPC: 05426-1-1/05/2024

Date: 07-06-2024

Date of Receipt: 15.05.2024

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GRASIM INDUSTRIES LTD.

P.O. Birlagram, Nagda-456331, District Ujjain,
Madhya Pradesh, India

TEST REPORT ON BIRLA OPUS CALISTA PERFECT CHOICE PRIMER+ BIRLA OPUS ONE TRUE VISION WHITE

Source of sample : Sample Submitted by Customer
Number of samples Tested : 01 (One Only).
Condition of sample : Satisfactory
Customer's Reference : Purchase Order No. 4900005396 dt.13.05.2024
Lab Reference Number : 2024/MAY/05426-1-1
Coverage # : Primer- Birla Opus Calista Perfect Choice Primer-Single coat with 100% dilution@ 90 sq.ft/liter
Topcoat- Birla Opus One True Vision White 2 coats 40 % dilution @ coverage 60 sq.ft/liter
Curing Period : 14 Days Temperature 23°C & Relative Humidity 50%
Period of Test : 16.05.2024 to 07.06.2024

TEST RESULTS:

S. N.	Test Conducted	Unit	Test Results	Test Method
1	Anti-carbonation Properties			EN 1062 Part 6:2002 - Method A
a	Dry Film Thickness of Coating, DFT	μm	90	
b	Carbon dioxide permeability	g (m ² .d)	3.51	
c	Carbon diffusion- Equivalent air layer thickness	Meter	71	
d	Diffusion resistance number	μ	7.84 x 10 ⁵	

Classes for carbon dioxide permeability (C)

Class	Requirement	Requirement
	Carbon dioxide permeability g/ (m ² · d)	Carbon diffusion- Equivalent air layer thickness(meter)
C0	No requirement	
C1	< 5	> 50

As furnished by the customer.

- Note:
1. The Results relate only to the samples tested.
 2. Report shall not be reproduced, except in full, without the written approval of the lab.
 3. Any correction invalidates this report.

For GVM Test House And Research Centre



DINESH BURDE
[Signature]
Authorised Signatory



Regd. Office:

402, Yogesh Apartment CHS, Plot No. 26, Sector 8A, Airoli, Navi Mumbai - 400 708, INDIA.
GSTIN: 27BPBPB4090Q1ZM



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P.O. Birlagram, Nagda-456331, District Ujjain,

Madhya Pradesh, India

TEST REPORT ON BIRLA OPUS ALL DRY WALL N ROOF 10+ BIRLA OPUS ONE TRUE VISION WHITE

Source of sample : Sample Submitted by Customer
Number of samples Tested : 01 (One Only).
Condition of sample : Satisfactory
Customer's Reference : Purchase Order No. 4900005396 dt.13.05.2024
Lab Reference Number : 2024/MAY/05426-1-2
Coverage # : Basecoat- Birla Opus AllDry Wall n Roof 10 1st coat with 35 % dilution @ coverage -55 sqft/liter & 2nd coat without dilution @ coverage-40sq.ft/liter. Topcoat- Birla Opus One True Vision White 2 coats 40 % dilution @ coverage 60 sq.ft/liter
Curing Period : 14 Days Temperature 23°C & Relative Humidity 50%
Period of Test : 16.05.2024 to 07.06.2024

TEST RESULTS:

S. N.	Test Conducted	Unit	Test Results	Test Method
1	Anti-carbonation Properties			EN 1062 Part 6:2002 - Method A
a	Dry Film Thickness of Coating, DFT	μm	240	
b	Carbon dioxide permeability	g (m ² .d)	1.39	
c	Carbon diffusion- Equivalent air layer thickness	Meter	179	
d	Diffusion resistance number	μ	7.45 x 10 ⁵	

Classes for carbon dioxide permeability (C)

Class	Requirement	Requirement
	Carbon dioxide permeability g/ (m ² · d)	Carbon diffusion- Equivalent air layer thickness(meter)
C0	No requirement	
C1	< 5	> 50

As furnished by the customer.

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TEST REPORT ON BIRLA OPUS CALISTA PERFECT CHOICE PRIMER+BIRLA OPUS ONE TRUE VISION WHITE

Source of sample : Sample Submitted by Customer
Number of samples Tested : 01 (One Only).
Condition of sample : Satisfactory
Customer's Reference : Purchase Order No. 4900005396 dt.13.05.2024
Lab Reference Number : 2024/MAY/05426-1-3
Coverage # : Primer- Birla Opus Calista Perfect Choice Primer-Single coat with 100%
dilution@ 90 sq.ft/liter
Topcoat- Birla Opus One True Vision White 2 coats 40 % dilution @ coverage
60 sq.ft/liter
Curing Period : 14 Days Temperature 23°C & Relative Humidity 50%
Period of Test : 16.05.2024 to 05.06.2024

TEST RESULTS:

S. N.	Test Conducted	Unit	Test Results	Test Method
1	RCPT -Control	Coulombs	3852	ASTM C 1202-2022
2	RCPT – With Coating	Coulombs	2003	ASTM C 1202-2022
3	Reduction in RCPT	%	48	----

As furnished by the customer.

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TEST REPORT ON BIRLA OPUS ALLDRY WALL N ROOF 10+ BIRLA OPUS ONE TRUE VISION WHITE

Source of sample : Sample Submitted by Customer
Number of samples Tested : 01 (One Only).
Condition of sample : Satisfactory
Customer's Reference : Purchase Order No. 4900005396 dt.13.05.2024
Lab Reference Number : 2024/MAY/05426-1-4
Coverage # : Basecoat- Birla Opus AllDry Wall n Roof 10 1st coat with 35 % dilution @ coverage -55 sqft/liter & 2nd coat without dilution @ coverage-40sq.ft/liter.
Topcoat- Birla Opus One True Vision White 2 coats 40 % dilution @ coverage 60 sq.ft/liter
Curing Period : 14 Days Temperature 23°C & Relative Humidity 50%
Period of Test : 16.05.2024 to 05.06.2024

TEST RESULTS:

S. N.	Test Conducted	Unit	Test Results	Test Method
1	RCPT -Control	Coulombs	3852	ASTM C 1202-2022
2	RCPT – With Coating	Coulombs	1040	ASTM C 1202-2022
3	Reduction in RCPT	%	73	---

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