

ULR-TC702024000000136F

Report No: CRDF/RPT/SRI/933

Report Date: 08th November 2024**Report of test carried out by CEPT Research & Development Foundation for Solar Reflectance Index of Supplied Material**The test results of the specimen submitted for Solar Reflectance Index on date 04th November 2024 are as under:**1. Customer Information**

- i. **Name of the Organization** : Birla Opus Paints (Grasim Industries Limited)
- ii. **Contact Person** : Bhaskar Nath
- iii. **Address** : Birla Opus, Grasim Industries Limited, Aditya Birla Science and Technology Company Private Limited, Plot No.1 & 1-A/1, MIDC Taloja, Taluka Panvel, Raigad District, Navi Mumbai, Maharashtra - 410208
- iv. **Phone Numbers** : 9892619720
- v. **Fax Number** : Not Applicable
- vi. **Email** : bhaskar.nath@adityabirla.com

2. Photometry Testing**2.1 Glazing Materials****2.1.1. Sample Details**

- i. Sample Identification Number : SRI/11/24/1932
- ii. Date of Test : 06th November 2024
- iii. Name and any other pertinent Identification of the material : Birla Opus One True Look Luxury Emulsion
- iv. Thickness of the specimen (As declared by customer) : 8mm panel and 60-80 micron paint on top
- v. Thickness as tested : Not Applicable
- vi. Condition of Sample when received : Satisfactory
- vii. Method and Environment used for Conditioning (if used) : Not Applicable
- viii. Condition used for laboratory soiling And weathering (if used) : Not Applicable
- ix. Description of soiling mixture (If laboratory soiling and Weathering used) : Not Applicable
- x. Instrument used : Spectrophotometer with integrating sphere with reference material Spectralone & FTIR with IR specular reflection set.
- xi. Environmental Conditions maintained during the test : Temperature 25.3° C and Humidity 47 % Rh
- xii. Boundary Conditions (Test Method) : ASTM E 1980, BS EN 12898, EN 673 and EN 410

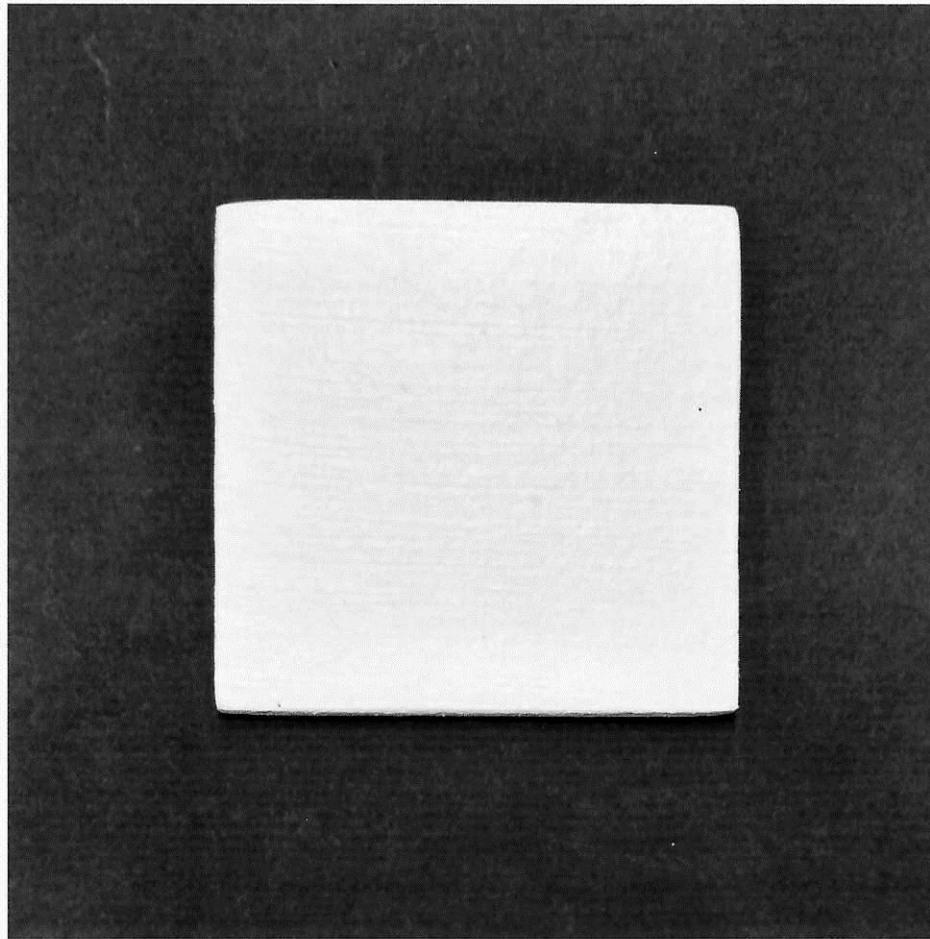
*N.D. Bhesaniya*Analyzed By:
Nikhil Bhesaniya
Deputy Manager*Yashkumar Shukla*Reviewed By:
Yashkumar Shukla
Technical Director*Yashkumar Shukla*Authorized By:
Yashkumar Shukla
Technical Director

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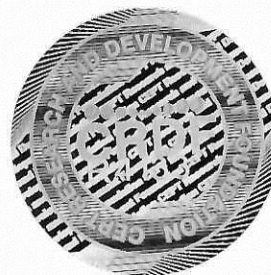
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3. Photograph of the specimen.



N.D. Bhesaniya
Analyzed By:
Nikhil Bhesaniya
Deputy Manager

Yashkumar Shukla
Reviewed By:
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Technical Director



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4 Results of the measurement:

Solar Direct Reflectance

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
Birla Opus One True Look Luxury Emulsion	SRI/11/24/1932	0.8480	0.8495	0.8498	0.8491

Emissivity

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
Birla Opus One True Look Luxury Emulsion	SRI/11/24/1932	0.918	0.919	0.917	0.918

Solar Reflectance Index (SRI) under different wind conditions

Sample name	Sample ID	Solar Reflectance Index (SRI)		
Birla Opus One True Look Luxury Emulsion	SRI/11/24/1932	Low Wind($h_c=5 \text{ W m}^{-2} \text{ K}^{-1}$)	Medium Wind($h_c=12 \text{ W m}^{-2} \text{ K}^{-1}$)	High Wind($h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$)
		108	107	107

Surface Temperature (T_s) under different wind conditions

Sample name	Sample ID	Surface Temperature ($^{\circ}\text{C}$)		
Birla Opus One True Look Luxury Emulsion	SRI/11/24/1932	Low Wind($h_c=5 \text{ W m}^{-2} \text{ K}^{-1}$)	Medium Wind($h_c=12 \text{ W m}^{-2} \text{ K}^{-1}$)	High Wind($h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$)
		44.9	41.9	39.4

Remark, if Any:

5 Certificate of Accuracy:

This is to certify that the test results herein presented are, to the best of my knowledge, true and accurate representations of the samples submitted.

Analyzed By:

Nikhil Bhesaniya
Deputy Manager

Disclaimer:

- The CEPT Research & Development Foundation is not responsible for any kind of alterations in the physical property of the sample and the customer is solely responsible for it and its consequences.
- The test results and the statement of compliance with specification in this report relate only to the test sample as tested and not to the sample/item from which the test sample was drawn. Sample will be destroyed after 7 days of issue of the report unless specified by the customer.
- Any complains about this report should be communicated in writing within 7 days of issue of the report.
- The test report shall not be reproduced fully or partially or in parts and cannot be used as an evidence in a court of law and shall be used in advertising media without written approval of Director, CEPT Research & Development Foundation.

Reviewed By:
Yashkumar Shukla
Technical Director



Authorized By:
Yashkumar Shukla
Technical Director