

ULR-TC70202100000043F

Report No: CRDF/RPT/SRI/582A

Report Date: 19th January 2022**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 02nd July 2021 are as under:**1. Customer Information**

- i. **Name of the Organization** : Lumin Coatings
- ii. **Contact Person** : Mr. Jeevan Ram
- iii. **Address** : Plot 167, Merta City, Rajasthan - 341510
- iv. **Phone Numbers** : 8105256827
- v. **Fax Number** : Not Applicable
- vi. **Email** : sales@lumincoat.com

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

- i. **Sample Identification Number** : SRI/07/21/1583
- ii. **Date of Test** : 26th July 2021
- iii. **Name and any other pertinent Identification of the material (Including physical description)** : LuminX (LuminXMay21)
- iv. **Thickness of the specimen (As declared by customer)** : Not Applicable
- 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. **Boundary Conditions (Test Method)** : ASTM E 1980-19, EN 12898:2019, EN 673:2011, and EN 410:2011

N. D. Bhesaniya
Analyzed By:
Nikhil Bhesaniya
Lab. Technician

Yashkumar Shukla
Reviewed By:
Yashkumar Shukla
Technical Director



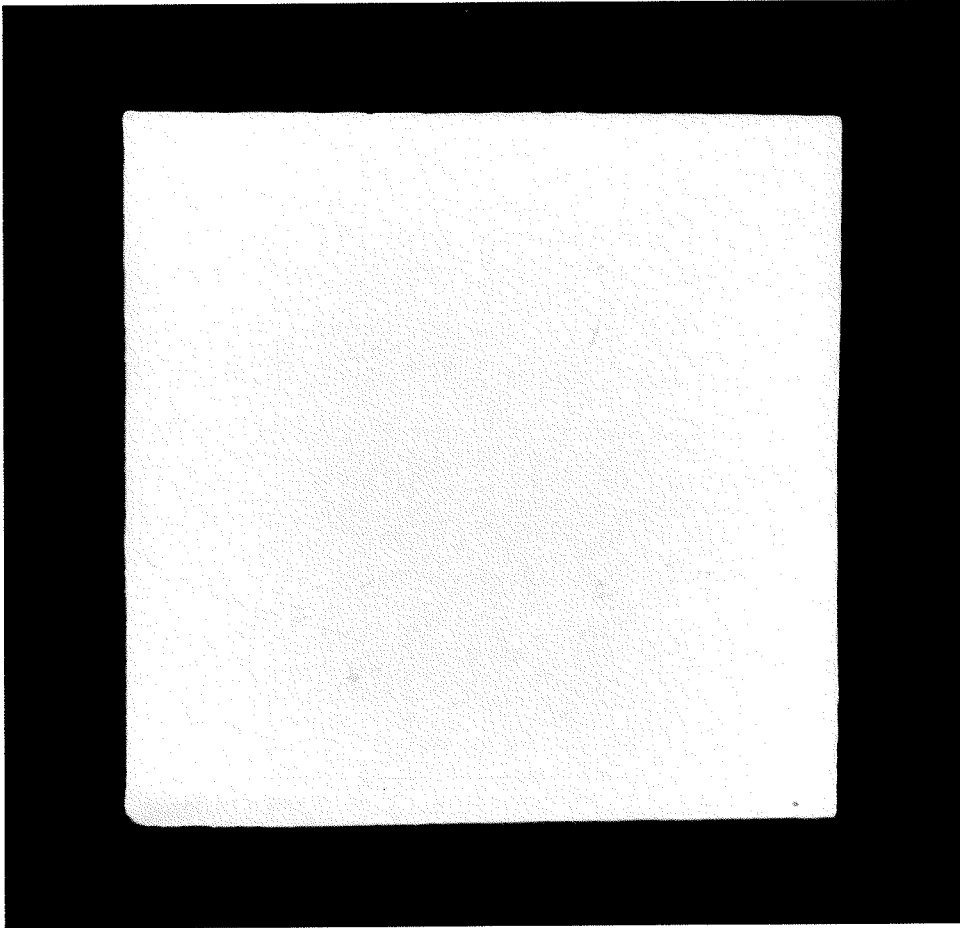
Yashkumar Shukla
Authorized By:
Yashkumar Shukla
Technical Director

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3. Photograph of the specimen.



N. D. Ghosuni's
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4 Results of the measurement:

Solar Direct Reflectance

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
LuminX	SRI/07/21/1583	0.8762	0.8767	0.8766	0.8765

Emissivity

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
LuminX	SRI/07/21/1583	0.866	0.861	0.857	0.861

Solar Reflectance Index (SRI) under different wind conditions

Sample name	Sample ID	Solar Reflectance Index (SRI)		
		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($h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$)
LuminX	SRI/07/21/1583	111	110	110

Surface Temperature (T_s) under different wind conditions

Sample name	Sample ID	Surface Temperature ($^{\circ}\text{C}$)		
		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($h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$)
LuminX	SRI/07/21/1583	43.0	40.6	38.7

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.

N.D. Bhesaniya
Analyzed By:
 Nikhil Bhesaniya
 Lab. Technician

Yashkumar Shukla
Reviewed By:
 Yashkumar Shukla
 Technical Director



Yashkumar Shukla
Authorized By:
 Yashkumar Shukla
 Technical Director

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.
- Reason for Amendment: To comply with the requirements of NABL document no. NABL 133.
- Amendment Done: ILAC MRA Mark removed from the Test Report. The sample details and reported results thereof are not affected due to this amendment. All the other details (except the ILAC MRA Mark) remain unchanged as in the original Report.
- Amendment to Report No. CRDF/RPT/SRI/582.
- Original Report No. CRDF/RPT/SRI/582 issued on 27th July 2021 is considered to be void.