

ULR-TC70202400000057F

Report No: CRDF/RPT/SRI/886

Report Date: 18<sup>th</sup> May 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 17<sup>th</sup> May 2024 are as under:

**1. Customer Information**

- i. **Name of the Organization** : Stalion Specialities  
ii. **Contact Person** : Lingeswaran  
iii. **Address** : 6, 5th Circular Street, Jawahar Nagar  
Chennai, Tamilnadu - 600082  
iv. **Phone Numbers** : 7824000222 / 9042234500  
v. **Fax Number** : Not Applicable  
vi. **Email** : stalionspecialities@gmail.com /info@stalionspecialities.in

**2. Photometry Testing**

**2.1 Glazing Materials**

**2.1.1. Sample Details**

- i. **Sample Identification Number** : SRI/05/24/1887  
ii. **Date of Test** : 17<sup>th</sup> May 2024  
iii. **Name and any other pertinent Identification of the material** : Rockcoate Cool +  
iv. **Thickness of the specimen (As declared by customer)** : 16 mm  
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 26.1° C and Humidity 42% Rh  
xii. **Boundary Conditions (Test Method)** : ASTM E 1980, BS EN 12898, EN 673 and EN 410

*N.D. Bhesani*

**Analyzed By:**  
Nikhil Bhesaniya  
Lab. Technician

*Yashkumar Shukla*  
**Reviewed By:**  
Yashkumar Shukla  
Technical Director



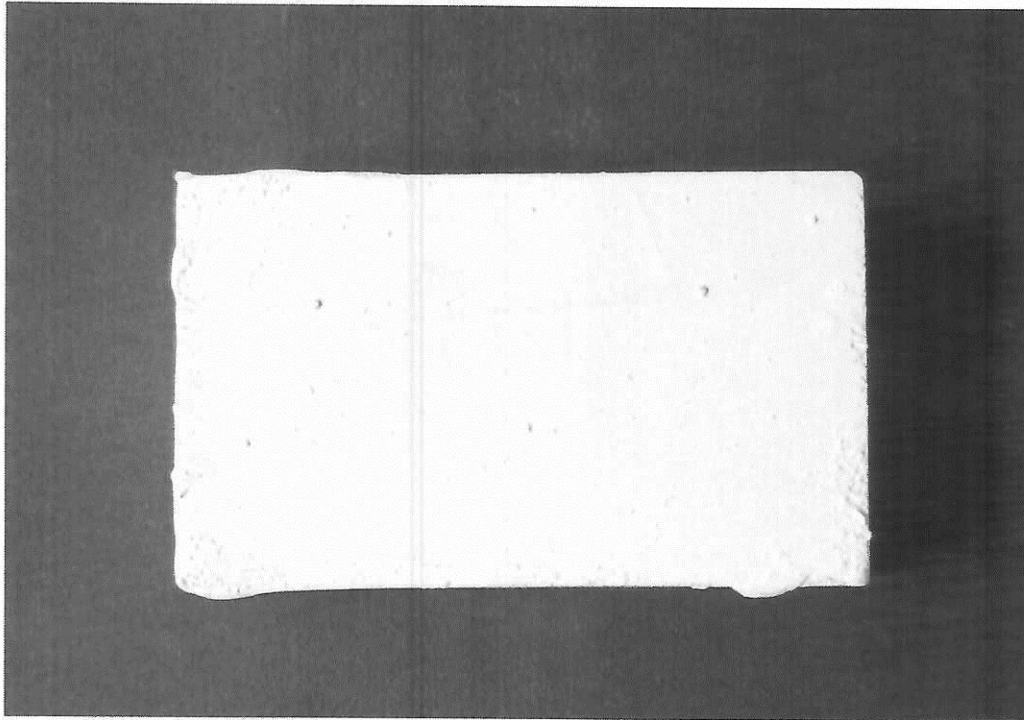
*Yashkumar Shukla*  
**Authorized By:**  
Yashkumar Shukla  
Technical Director

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3. Photograph of the specimen.



*N. D. Bhesaniya*  
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Lab. Technician

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**4 Results of the measurement:**

**Solar Direct Reflectance**

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
Rockcoate Cool +	SRI/05/24/1887	0.7748	0.7769	0.7703	0.7740

**Emissivity**

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
Rockcoate Cool +	SRI/05/24/1887	0.927	0.927	0.927	0.927

**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( $h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$ )
Rockcoate Cool +	SRI/05/24/1887	97	97	97

**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( $h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$ )
Rockcoate Cool +	SRI/05/24/1887	51.1	45.8	41.4

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.

*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.