

ULR-TC702019000000056F

Report No: CRDF/RPT/SRI/414

Report Date: 12<sup>th</sup> February 2019

**Report of test carried out by CEPT Research and Development Foundation for Solar Reflectance Index of Supplied Material**

The test results of the specimen submitted for Solar Reflectance Index on date 06<sup>th</sup> February 2019 are as under:

**1. Customer Information**

- 1.1. **Name of the Organization** : Lune Tiles
- 1.2. **Contact Person** : Mr. Bharathidasan.R
- 1.3. **Address** : 1/127 - D, Mangali Amman Koil ST,  
Cowl Bazar,  
Pozhichalur (P.O),  
Chennai - 600075,
- 1.4. **Phone Numbers** : +91 80 125 77 333
- 1.5. **Fax Number** : Not Available
- 1.6. **Email** : lunetiles@gmail.com

**2. Sample Details**

- 2.1. Sample Identification Number : SRI/02/19/1415
- 2.2. Date of Test : 11<sup>th</sup> February 2019
- 2.3. Name and any other pertinent  
Identification of the material (including physical description): Lune Tiles
- 2.4. Thickness of the specimen (Reported) : 15 mm
- 2.5. Thickness as tested : Not Applicable
- 2.6. Condition of Sample when received : Satisfactory
- 2.7. Method and Environment used for conditioning (if used) : Not Applicable
- 2.8. No. of Surfaces : Not Applicable
- 2.9. The type of surfaces : Not Applicable
- 2.10. Position of panes (if Multiple Glazed) : Not Applicable
- 2.11. The position of coating(s) designating faces of the panes as 1, 2, 3 starting from the outer surface of pane 1:  
Not Applicable
- 2.12. The face of the panes (if Coated) : Not Applicable
- 2.13. Instrument used : Spectrophotometer with integrating sphere with reference material  
Spectralone & FTIR with IR specular reflection set.
- 2.14. Boundary Conditions (Test Method) : ASTM E 1980-11, EN 12898:2001, EN 673:2011, and EN 410:2011.

  
Jigar Patel  
Lab. Supervisor



  
Yashkumar Shukla  
Technical Director

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**3. Results of the measurement:**

**Solar Direct Reflectance**

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
Lune Tiles	SRI/02/19/1415	0.7517	0.7521	0.7528	0.7522

**Emissivity**

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
Lune Tiles	SRI/02/19/1415	0.936	0.936	0.935	0.936

**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( $h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$ )
Lune Tiles	SRI/02/19/1415	94	94	94

**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( $h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$ )
Lune Tiles	SRI/02/19/1415	52.7	46.9	42.0

**4. 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.

  
Jigar Patel  
Lab. Supervisor



  
Yashkumar Shukla  
Technical Director

**Disclaimer:**

1. The CEPT Research and Development Foundation, CEPT University 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.
2. Result relates to the sample tested only. Sample will be destroyed after 7 days of issue of the report unless specified by the customer.
3. Any complains about this report should be communicated in writing within 7 days of issue of the report.
4. 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 and Development Foundation, CEPT University.