



**9mm** thickness

 **30x  
30cm**

## COOL TILES

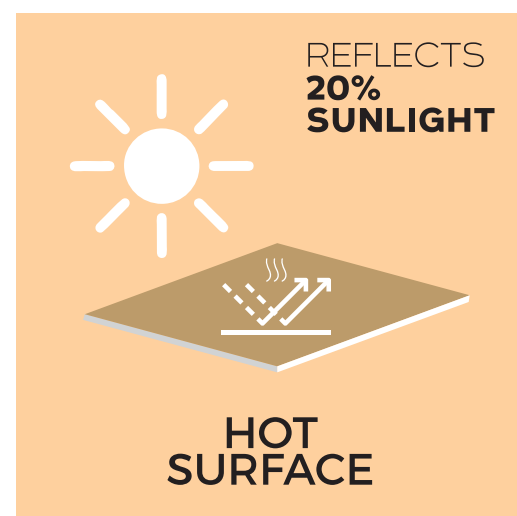
Cool Tiles from Creanza are a smart solution offered to keep your spaces cool from inside and outside. The feature-rich and low-maintenance tiles have a higher SRI (Solar Reflective Index) that reflects the majority of sunlight and radiation for cool surfaces and interiors. The tiles are available in 30x30cm size and 9mm thickness.

# A SMART COOL ROOF TECHNOLOGY

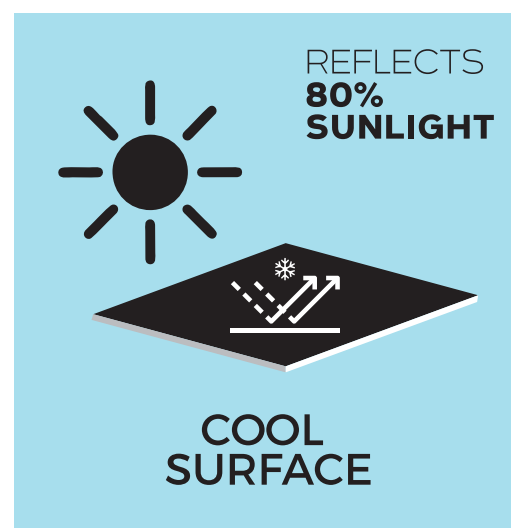
The smart cool roof technology of Cool Tiles from Creanza is a special array of tiles equipped with a feature-rich glaze and coating that reflects sunlight and heat radiation from the Sun, keeping surfaces and interiors cool.

The glaze equips the tiles with a higher SRI (Solar Reflective Index) - an indicator of solar radiation reflected by the surfaces. The higher SRI aids the tiles in reflecting the majority of sunlight and radiation. Along with higher SRI, the tiles are also equipped with a plethora of benefits making them a must-have for any space.

KEEPS TEMPERATURE DOWN UP TO **7-8 DEGREE CELSIUS**



UNCOATED

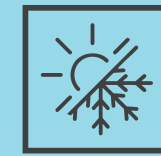


COATED

## ADVANTAGES



ANTI-SKID



REDUCES HEAT



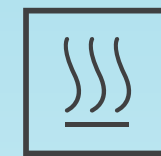
SAVES ENERGY



DURABLE & LONG-LIFE



ECO-FRIENDLY



HEAT-REFLECTING



ANTI FUNGAL

### ARE WHITE TILES COOL TILES?

All white tiles are not specifically cool tiles. White material has solar reflective qualities and stays cool compared to other colors. Whereas, cool tiles are feature-rich tiles made especially to stay cool with a higher Solar Reflective Index. This higher SRI is achieved through the incorporation of special material, glaze, and coating. The special formula and coating make them heat-reflective and heat resistant, which is not the case in regular white tiles.

# KEEP EVERY CORNER OF YOUR SPACE COOL

Highly-efficient Cool Tiles from Creanza offer you cool interiors and exteriors effortlessly. The feature-rich tiles keep the surfaces and spaces beneath them cool with their heat-reflective properties. It allows you to enjoy cool roofs, terraces, courtyards, pavements, balconies, swimming pool areas, interiors, and much more.



**COOL TILES**  
30x30cm

## APPLICATION

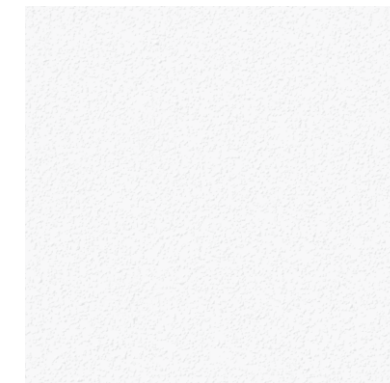
- ① ROOF
- ② BALCONY
- ③ EXTERIOR FACADE
- ④ OUTDOOR PAVEMENTS



# COOL TILES

30x30cm

9mm thickness



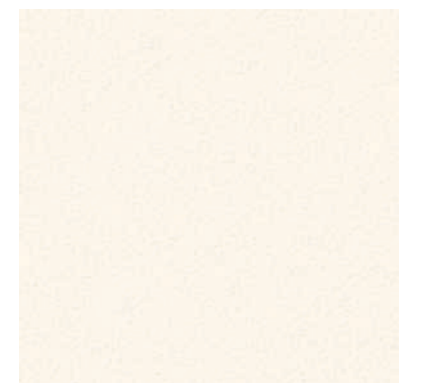
COOL WHITE



COOL SKY



COOL PINK



COOL IVORY



ANTI SKID



REDUCE HEAT



SAVES ENERGY



DURABLE & LONG LIFE



ECO FRIENDLY





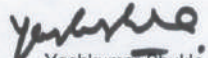


HEAT RESISTANT



ANTI FUNGAL

# TEST REPORTS

<b>CRDF</b> CEPT RESEARCH AND DEVELOPMENT FOUNDATION	<b>CEPT Research &amp; Development Foundation</b> Test Report for Solar Reflectance Index (SRI)		
ULR-TC70202100000076F		TC-7020	
Report No: CRDF/RPT/SRI/611	Report Date: 15 <sup>th</sup> November 2021		
<b>Report of test carried out by CEPT Research &amp; Development Foundation for Solar Reflectance Index of Supplied Material</b> The test results of the specimen submitted for Solar Reflectance Index on date 10 <sup>th</sup> November 2021 are as under:			
<b>1. Customer Information</b>			
i. Name of the Organization	: Commander Ceramic Industries		
ii. Contact Person	: Sharad Merja		
iii. Address	: 8-A National Highway, Opp.-132 KV GEB Sub Station, Lalpar, Morbi – 363642, Gujarat		
iv. Phone Numbers	: 9825820987		
v. Fax Number	: Not Applicable		
vi. Email	: commanderceramic_ind@yahoo.co.in		
<b>2. Photometry Testing</b>			
<b>2.1 Glazing Materials</b>			
<b>2.1.1. Sample Details</b>			
i. Sample Identification Number	: SRI/11/21/1612		
ii. Date of Test	: 12 <sup>th</sup> November 2021		
iii. Name and any other pertinent Identification of the material (Including physical description)	: Cool Tile (011121S01)		
iv. Thickness of the specimen (As declared by customer)	: 9.0 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. Boundary Conditions (Test Method)	: ASTM E 1980-19, EN 12898:2019, EN 673:2011, and EN 410:2011		
 Nikhil Bhesaniya Lab. Technician		 Yashkumar Shukla Technical Director	
CEPT Research & Development Foundation, CEPT University, K. L. Campus, Navrangpura, Ahmedabad- 380 009. Phone No: 079-68310000- Extn: 383, 26302740 Fax: +91 79 26302075 Email: ashajoshi@cept.ac.in			
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# TEST REPORTS



# TEST REPORTS

**CEPT Research & Development Foundation**  
Test Report for Solar Reflectance Index (SRI)

ULR-TC70202100000076F

Report No: CRDF/RPT/SRI/611

Report Date: 15<sup>th</sup> November 2021

**4 Results of the measurement:**

**Solar Direct Reflectance**

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
Cool Tile	SRI/11/21/1612	0.7963	0.7962	0.7965	0.7963

**Emissivity**

Sample name	Sample ID	Measurement 1	Measurement 2	Measurement 3	Average
Cool Tile	SRI/11/21/1612	0.886	0.888	0.885	0.886

**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( $h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$ )
Cool Tile	SRI/11/21/1612	99	99	99

**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( $h_c=30 \text{ W m}^{-2} \text{ K}^{-1}$ )
Cool Tile	SRI/11/21/1612	49.7	44.9	40.9

**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**  
Nikhil Bhesaniya  
Lab. Technician

**Yashkumar Shukla**  
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.

CEPT Research & Development Foundation, CEPT University, K. L. Campus, Navrangpura, Ahmedabad- 380 009.  
Phone No: 079-68310000- Extn: 383, 26302740 Fax: +91 79 26302075. Email: ashajoshi@cept.ac.in  
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# REASONS TO CHOOSE COOL TILES



## BETTER INDOOR COMFORT

Helps in maintaining a cooler environment for better comfort indoors.



## SAVES ON ELECTRICITY BILLS

Saves on power consumption with less need for cooling appliances.



## LOWERS EMISSION

Cool roofs offset carbon emission through heat reflection.



## REDUCES LOAD ON COOLING APPLIANCES

Reduced heat and warmth take less toll on air conditioning.