



CATALOGUE

# SOUTH INDIA TILES

CERAMIC FOR LUXURY

## COOL ROOF AND THE GREEN LEXICON Solutions for Overdeck Thermal Insulation



### Salient Features

Reduces the surface temperature up to 20 deg C

Indigenous Ceramic technology \* - 25% more efficient than any other cool roof technology

Easy to install, maintenance free energy efficient roof

Stain-free, Aesthetically appealing and clean appearance of terrace

Provides light-weight yet strong usable top layer to roofs

Complies with guidelines laid by IGBC/TERI/BEE/CPWD/MOEF for energy efficient roof

\* Patent Pending

### Specifications

#### Type

Ceramic Based

#### Appearance

White Plain & Marble Print

#### Materials Used

Infrared Resistive Composition (Non-degradable)

#### Tile Thickness

09MM ( $\pm 1$ mm)

#### Tile Dimensions

300mm x 300mm

#### Water Pemeability

Impervious to Water

#### Solar Reflective Index (SRI)

104 (ASTM E 1980)

#### Reflectance

0.8298 (ASTM E 903)

#### Emittance

0.862 (ASTM E 1371)

#### IS Standard

As per IS 15622:2006

#### Method of Fixing

Just like any other ceramic tile

600mm x 600mm also available

## Technical Specifications

Size (mm)	300*300	300*300	600*600
Thickness (mm)	10mm (+- 1mm)	9mm (+- 1mm)	9mm (+- 1mm)
Water absorption (%)	12 to 14	below 3	below .5
MOR ( modulus of rupture ) Strenght N/mm2	10 N/mm2	22 to 28 N/mm2	38 N/mm2
Texture	Punch matt	Glossy	Glossy
Design	Plain with Thermatek mark	Marble with Thermatek mark	Marble with Thermatek mark
Solar Reflectance Index- SRI	102	104	104
Weight per box (approx kg)	11.8	13.5	30
Tiles per box	7	8	4
Coverage per box sq ft	6.8	7.78	15.5
Size (mm)	300*300	300*300	600*600

Features	Advantages	Benefits
• Tiles with SRI-102/104	<ul style="list-style-type: none"> <li>Significant reduction in roof surface temperature: 20-25 degrees Celsius.</li> <li>Reduction in indoor temperature: 3-5 degrees Celsius</li> </ul>	<ul style="list-style-type: none"> <li>Person can walk bare foot in peak summer .</li> <li>Reducing global warming</li> </ul>
• Very high heat reflectance	<ul style="list-style-type: none"> <li>Reduction in interior cooling cost.</li> <li>Reduction of urban heat islands effect.</li> <li>Contribution towards healthy environment</li> </ul>	<ul style="list-style-type: none"> <li>20% month on month savings on energy bill.</li> <li>Reduction in carbon footprint .</li> <li>Rise in per capita income, Increased Productivity</li> </ul>
• Antiskid Property with shine surface	<ul style="list-style-type: none"> <li>Beautification of roof/terrace.</li> </ul>	<ul style="list-style-type: none"> <li>It does not require cost of polishing or grinding</li> </ul>
• Very less porosity	<ul style="list-style-type: none"> <li>No absorption of water</li> </ul>	<ul style="list-style-type: none"> <li>Roof/Terrace becomes waterproofed without EXTRA COST</li> </ul>
• Time tested, certified product	<ul style="list-style-type: none"> <li>LEAD/ECBC/IGBC/MOEF/TERI meets their norms</li> </ul>	<ul style="list-style-type: none"> <li>Corporate can take this product for their CSR activities for Govt. rural schools/Hospitals etc</li> </ul>