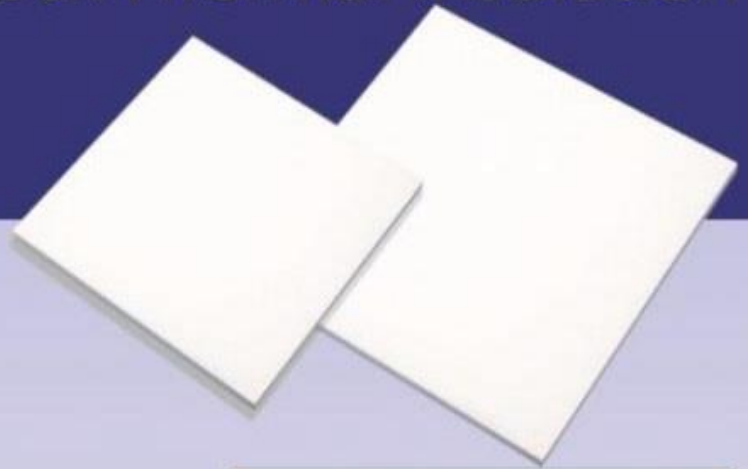
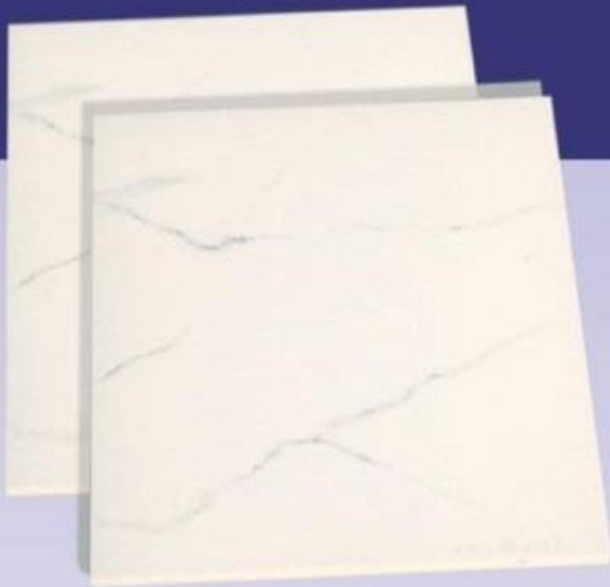




Ceramic Based Cool Roof Tiles

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

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