SOMANY

TEMP SHIELD
THE COOLEST ROOF TILES

PATENT PENDING

COOL TILES



Discover the magic of Temp Shield tiles:
The smarter way to keep your home
cooler, protected and energy-efficient.

NEXT-EDGE COOL
FOR NEXT GEN LIVING



ENJOY THE UNBEATABLE EDGE

The smarter way to keep
your home cooler, protected
and energy-eficient.

**Reduces indoor
temperature by 3 to 5°**

°C

NEXT-EDGE COOL
FOR NEXT GEN LIVING

COOL TILES



- Reduces surface temperature by 15°C and indoor temperature by 3-5°C.
- Ideal for sun-facing sides and rooftops.
- Saves on energy bills.
- Fights against the UHIE "Urban Heat Island Effect" due to its high reflectance of sunlight and heat.
- Protects your building from damage caused by high heat conduction.
- Meets guidelines set by IS standards / IGBC & CPWD for energy-efficient roofs.

WIDE APPLICATION POSSIBILITIES

Roofs / Terraces | Balconies | Courtyards | Swimming Pools | Pavements | Exterior Facades

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DIFFERENCE BETWEEN ORDINARY TILE & COOL TILE



ORDINARY ROOF

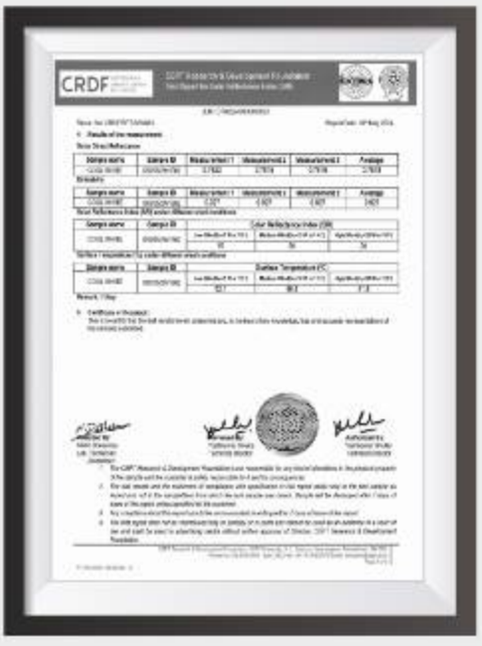


TEMP SHIELD ROOF

TEST REPORT FOR SOLAR REFLECTANCE INDEX (SRI*)







*SRI index shown is for Temp Shield Bianco (10mm) tiles. Values may vary for other cool tiles.

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TEMP SHIELD: BIANCO

Available Sizes :
605x605mm | 600x600mm | 300x300mm

TECHNICAL SPECIFICATION FOR 300X300 MM TEMP SHIELD

Nominal Size(mm)	Thickness (mm)	Average Weight(Kg)	No of Tiles per box	Area Covered
300X300 Temp Shield Wall	10.0	12.50	8	0.72 Square Meter

	Characteristics	Requirements as per IS 15622 :2017 Table-5 E >10 (Group B III)	Requirements as per ISO 13006:2018 E>10 (Group B III)	Our Value	Test Method
A	**Dimension & Surface Quality**				
	Length & Width	±0.20%	± 0.30%	±0.10%	IS 13630 Part 1/ ISO 10454-2
ii	Thickness	± 5.0 %	±10.0%	± 4.0 %	
iii	Straightness of Side	± 0.15%	± 0.30%	± 0.10%	
iv	Rectangularity	± 0.20%	± 0.30%	± 0.20%	
v	Surface Flatness Max Deviation in %				
a	Center curvature related to diagonal	± 0.30 %	±0.4%	± 0.22 %	
b	Edge curvature related to corresponding side	± 0.30 %	±0.4%	± 0.22 %	
c	Warpage related to diagonal	± 0.30 %	±0.4%	± 0.22 %	
vi	Surface Quality	Min. 95 % of tiles will be free from visible defects	Min. 95 % of tiles will be free from visible defects	Min. 95 % of tiles will be free from visible defects	
B	**Physical Properties**				
	Water Absorption	E ≥ 10 % when it exceeds 20 % this shall be indicated by the manufacturer	E ≥ 10 % when it exceeds 20 % this shall be indicated by the manufacturer	14±3 %	IS 13630 Part 2/ ISO 10545-3
ii	Modulus of Rupture [N/mm^2]	Average- Min 15	Average- Min 15	Average 18	IS 13630 Part 6/ ISO 10545-4
iii	Breaking Strength in N) ≤ 7.5 Thickness ii) > 7.5 mm Thickness	) 200 ii) 600	Not Less than 600	Min 650	IS 13630 Part 6/ ISO 10545-4
iv	Moisture Expansion (mm/m)	0.04	No mention	0.04	IS 13630 Part 3/ ISO 10545-10
v	Scratch Hardness (Mohs)	Min 3	Min 3	Min 3	IS 13630 Part 13
vi	Coefficient of linear thermal expansion from ambiant temperature to 100° C	9 X 10^{-6} K^{-1}, max		8 X 10^{-6} K^{-1}, max	IS 13630 Part 4/ ISO 10545-8
vii	Thermal Shock Resistant	10 cycle min	10 cycle min	Passed 10 cycle	IS 13630 Part 5/ ISO 10545-9
viii	Crazing Resistant	4 cycle @ 7.5 bar min	Manufacturer to Declare	Passed 4 cycle	IS 13630 Part 9/ ISO 10545-11
C	**Chemical Properties**				
	Stain Resistant	Min Class-1	Required	Min Class-1	IS 13630 Part 8 / ISO 10545-13 & ISO 10545-14
ii	Resistant to household chemicals	Min Class AA	Required	Min Class AA	
iii	Resistant to acids and alkalis (with exception of hydrofluoric acid and its compounds)	Required if agreed	Required	Min Class AA	

*Technical and packaging specifications shown is for Temp Shield Bianco (10mm) tiles. Values may/will vary for other cool tiles.

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