



SOMANY
TEMP SHIELD
THE COOLEST ROOF TILES

300X300mm



DURASTONE

SOMANY

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

FOR NEXT GEN LIVING.

NEXT-EDGE COOL.

ENJOY THE UNBEATABLE EDGE

- Effectively reduce temperature of surface (By 10 to 20 degree Celsius) thereby making inside room cooler.
- Saves big on electricity by lowering energy demand.
- Fights against UHIE "Urban Heat Island Effect" due to its high reflectance of sunlight & heat.
- Protects your building from damage due to high heat conduction.
- Do your bit to check global warming and save environment.
- Meeting guidelines set by IS standards/IGBC & CPWD for energy efficient roof.
- Our Temp Shield tiles comes with Vitrified body which makes it highly durable and long lasting.

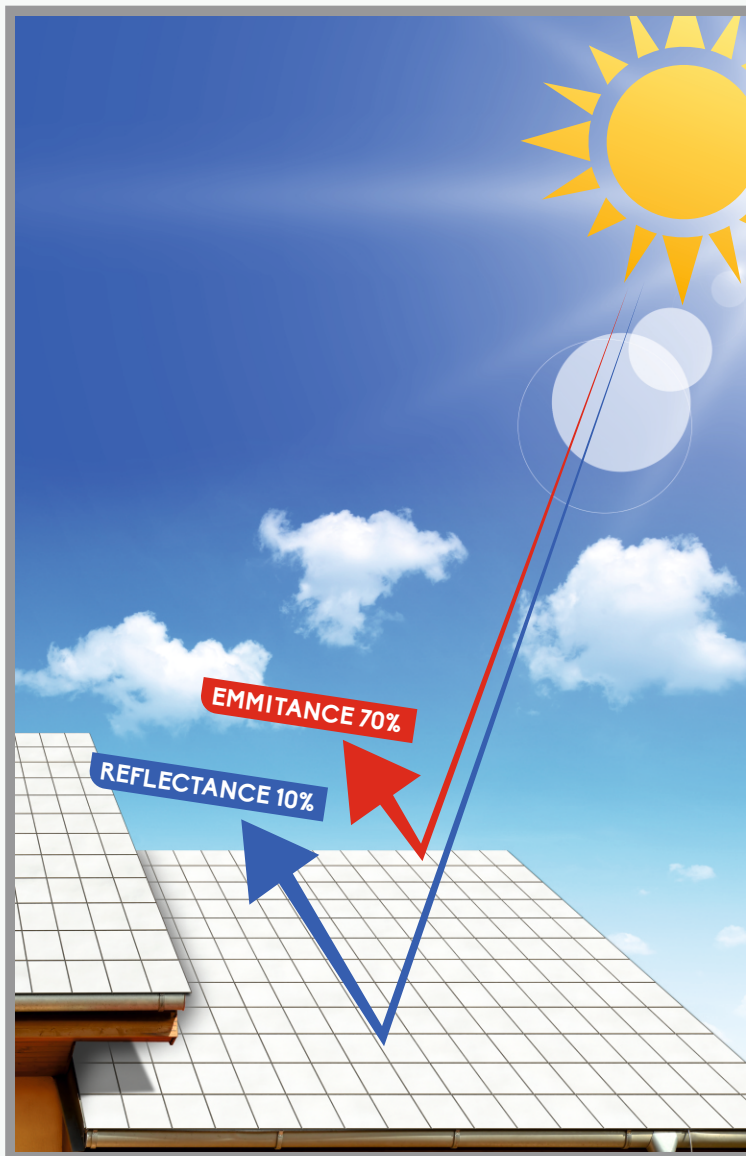
WIDE APPLICATION POSSIBILITIES

- Roof/Terraces
- Pavements
- Balconies
- Exteriors facades
- Courtyards
- Swimming Pools

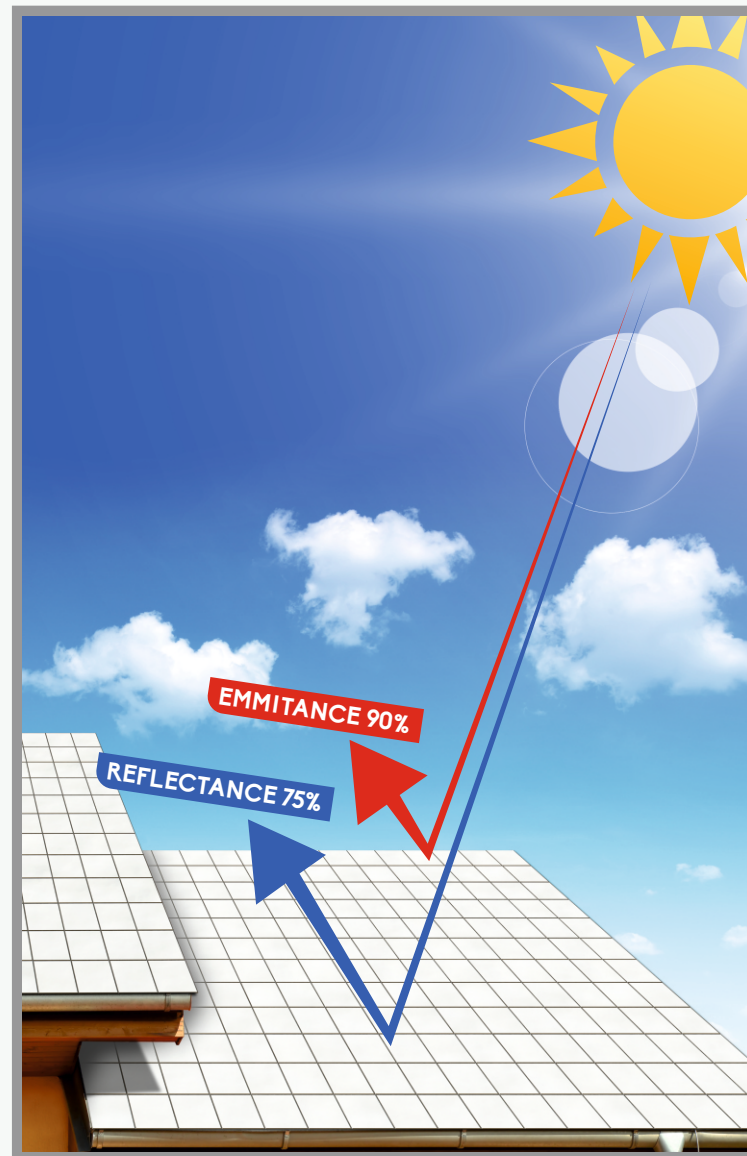


Temp Shield Bianco
300x300mm

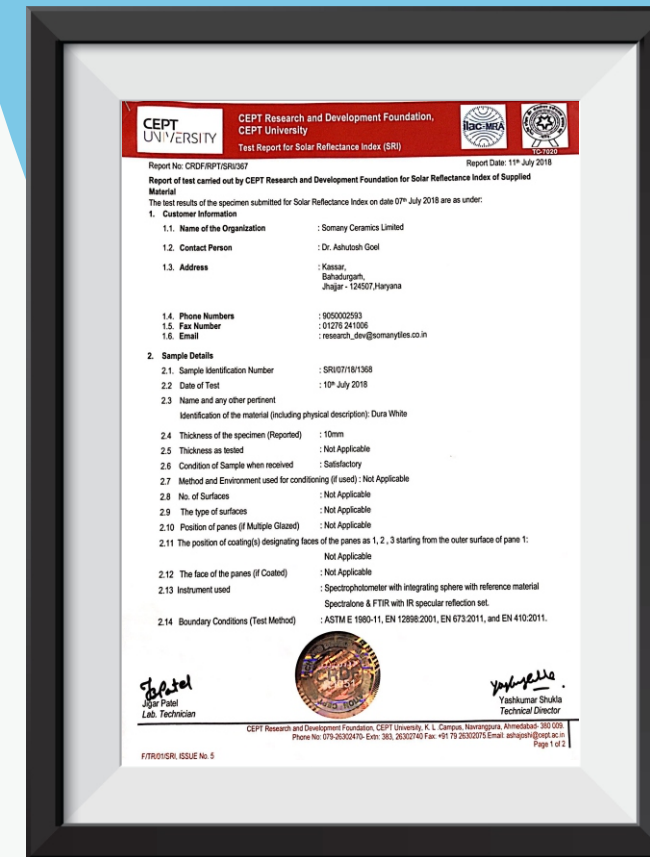
DIFFERENCE BETWEEN ORDINARY TILE & TEMP SHIELD TILES



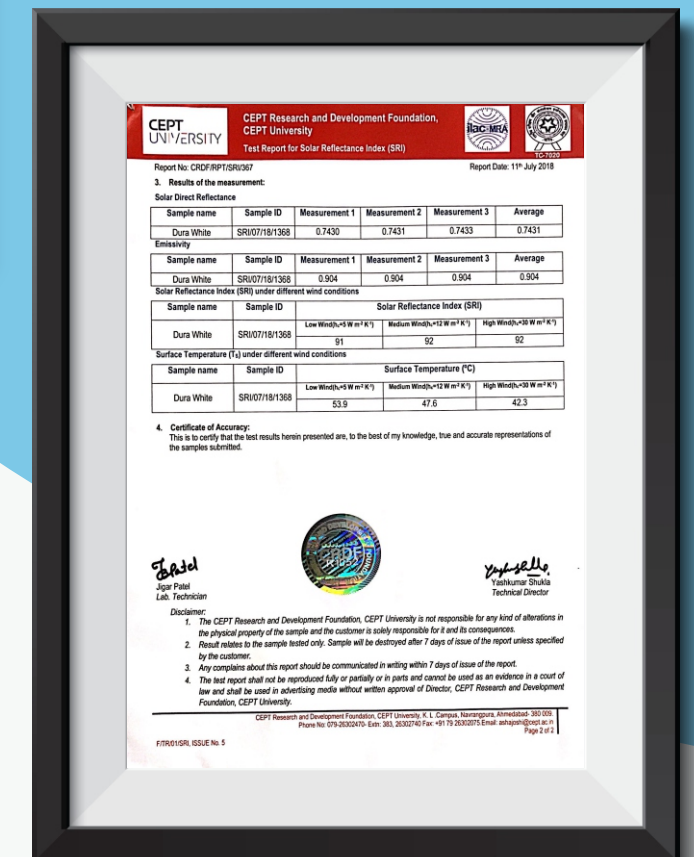
Ordinary Roof



Roof Having
Temp Shield Tiles Roof



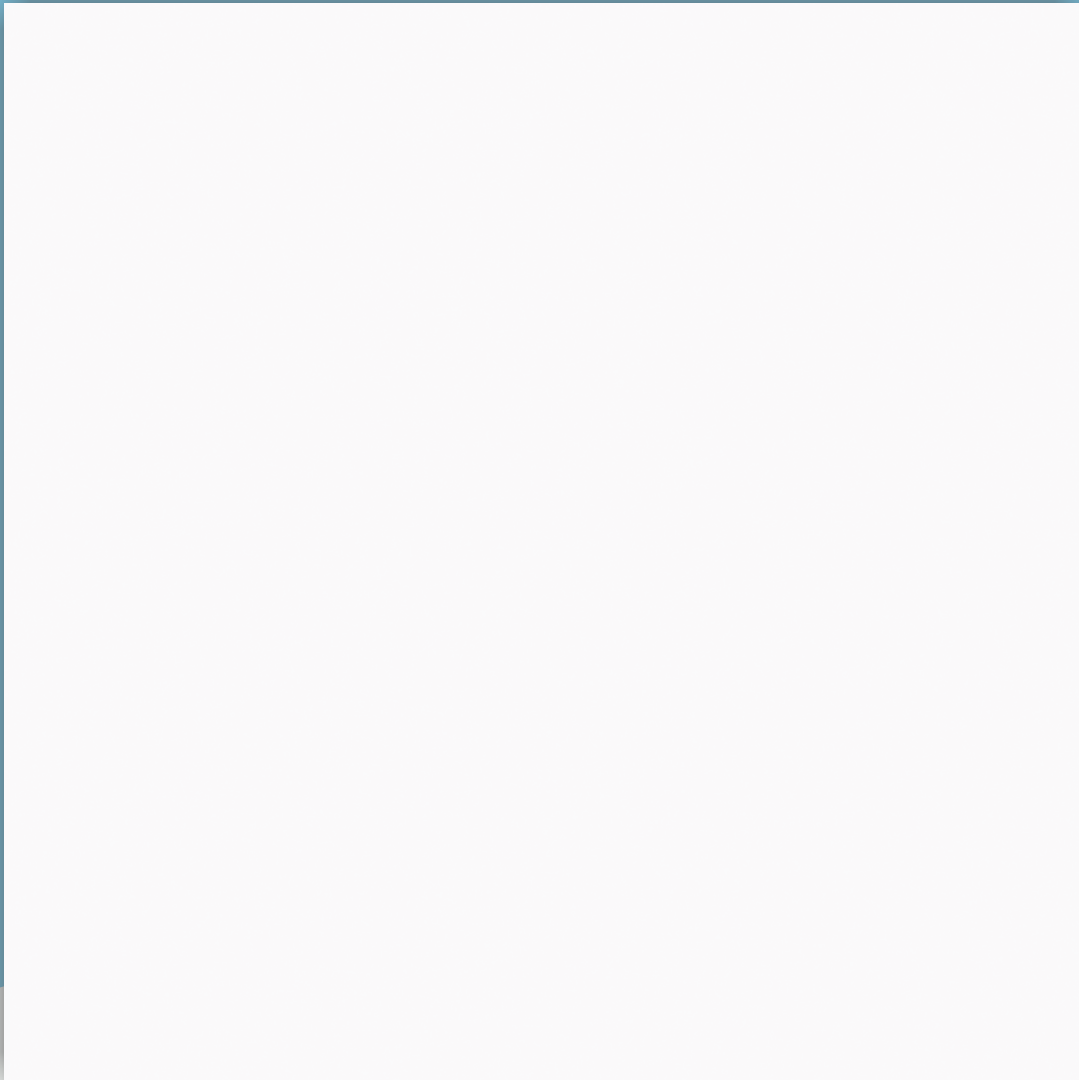
TEST REPORT FOR SOLAR REFLECTANCE INDEX (SRI)



TECHNICAL SPECIFICATION FOR

300 x 300 mm

TEMP SHIELD BIANCO



NOMINAL SIZE (MM)	THICKNESS (MM)	NO OF TILES/ BOX	AVERAGE WEIGHT (KG)	COVERAGE AREA PER BOX (SQM)
300X300 (Durastone/Temp Shield)	10.00	8	15	0.72 Square Meter

CHARACTERISTICS	Requirement as per IS 15622 :2017 0.08< E ≤3.0% Group B I b	Requirement as per ISO 13006 0.5% < E ≤3.0% Group B I b	OUR VALUES	TEST METHOD
Dimension & Surface Quality				IS 13630 Part 1/ ISO 10545-2
Length & Width	± 0.10%	± 0.60%	± 0.10%	
Thickness	± 5.00%	±5.0%	± 4.0%	
Straightness of Side	± 0.10%	± 0.50%	± 0.10%	
Rectengularity	± 0.10%	±0.60%	± 0.10%	
Surface Flatness				
Center Curvature (%) (max.Deviation)	± 0.50%	± 0.50%	± 0.2 %	
Edge Curvature (%) (max.Deviation)	± 0.50%	± 0.50%	± 0.2 %	
Corner Warpage (%) (max.Deviation)	±0.50%	±0.50%	± 0.2 %	
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	
Physical Properties				
Water Absorption	Av 0.08< E ≤3.0%, Individual 3.3% max	Av 0.5< E ≤3.0, Individual 3.3 max	Av 1.4±2%	IS 13630 Part 2/ ISO 10545-3
Modulus of Rupture [N/mm2]	Av 30, Individual 27 min	Av 30, Individual 27 min	Min-34	IS 13630 Part 6/ ISO 10545-4
Breaking Strength in N	1100	1100	Min 1400	
Moisture Expansion in mm/m	Max 0.02	Declared Valuef	Max 0.02	IS 13630 Part 3/ ISO-10545-10
Scratch Hardness of Surface (Mohs)	Min 5	N.A	Min-5	IS 13630 Part 13
Resistance to Abrasion of Glazed Tiles (Class I to V)	Min II	Report Abrasion Class & Cycle Passed	Class III	IS 13630 Part 11/ ISO 10545-7
Coefficient of Linear Thermal Expansion from Embiant Temperature To 100 0 C	7X 10 -6 K-1 max	Declared Valuef	Max 6 X 10 -6 K-1 Max	IS 13630 Part 4/ ISO 10545-8
Thermal Shock Resistance	10 Cycle min	Passed According to EN-ISO 10545-1g	10 Cycle Passed	IS 13630 Part 5/ ISO-10545-9
Crazing Resistance	4 Cycle @ 7.5Bar min	Passed According to EN-ISO 10545-1g	4 Cycle Passed	IS 13630 Part 9/ ISO 10545-11
Imapct Resistance as Co-efficient of Restitution (COR)	0.55 min	Declared Valuef	0.70-0.80	ISO 10545-5
Frost Resistance	Required	Passed According to EN-ISO 10545-1g	100 Cycle Passed	IS 13630 Part 10/ ISO 10545-12
Chemical Resistance (Glazed Tiles)				
Stain Resistance	Min Class 1	Min Class 3	Min Class-1	IS 13630 Part 8 & ISO 10545-14
Resistance to Household Chemicals	Min Class AA	Min Class GA	Min Class AA	IS 13630 Part 8/ ISO 10545-13
Resistance to Acids and Alkalis (with exception of hydrofluoric acid and its compounds)	Required if Agreed	Declared Valuef	Min Class AA	
SRI Value (for Temp Shield Products)	N.A	N.A	92	N.A