orientbell tiles

High SRI, low bijli ka bill, cool tiles lagao aur karo chill!

Cool® TILES



600x600mm & 300x300mm

Reduces heat absorption	Keeps the surface cooler for longer	SRI value upto 98	Upto 8°C# drop in temperature

*Independently lab tested.,#Based on controlled test conditions, actual temperature reduction may vary depending on building design, ambient temperature, weather conditions, wind, installation, usage environment & surrounding conditions.

Available from : Bengaluru - Hoskote







APPLICATIONS AREAS :

- Building Terraces
- Exterior Walls
- Pavements
- Balconies



orientbell tiles

With Solar Reflective Index (SRI) Value upto 98*

Coolest Benefits with OBL

COOL® TILES

Comfortable Interiors

Summer responsive Roof and walls reduce the room temperature

Innovative Use

Security Guard Cabin,
Roof Top water Tanks (outer wall)

Energy Saving

Cooler interiors Roof and wall reduce the room temperature

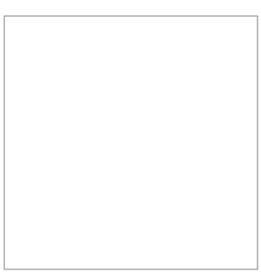
Additional Advantage

Slip Resistant.
Cooler surface to Walk on.

IGBC & GRIHA certified

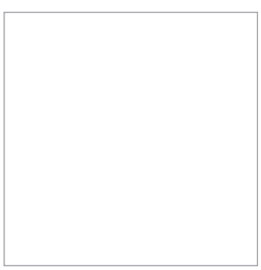
*Independently lab tested.





300x300mm
PLAIN COOL PRO EC WHITE



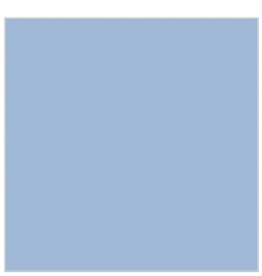


300x300mm
PAV COOL TILE WHITE

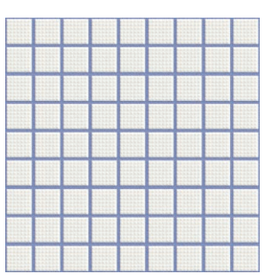


300x300mm
HULK COOL WHITE

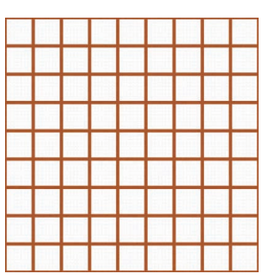
300x300mm
PAV COOL TILE GREY



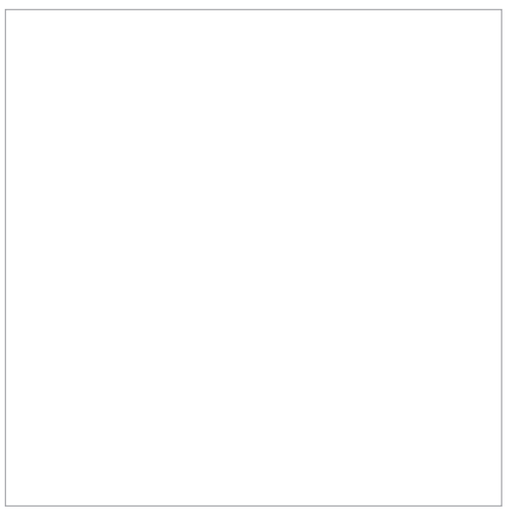
300x300mm
PAV COOL TILE BLUE



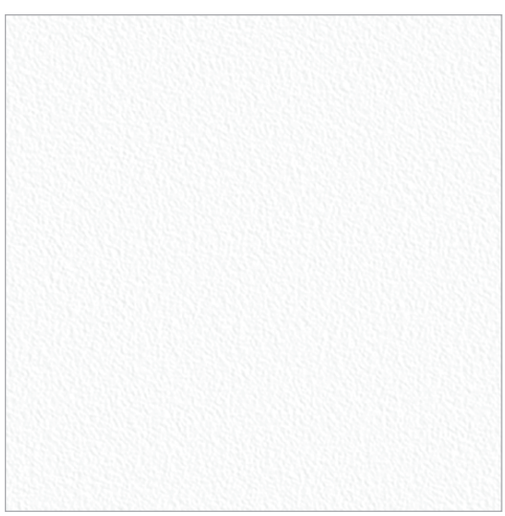
300x300mm
MOSAIC COOL BLUE



300x300mm
MOSAIC COOL BROWN



600x600mm
PLAIN COOL TILE



600x600mm
DEW DROPLETS COOL TILE



PLAIN COOL TILE

NEWTECH TILES AND PAVERS TESTING LABORATORY

AP-21(Old), 1st Floor, 1st Street, 1st Sector, K.K. Nagar, Chennai - 600 078.
(Regd. Ministry of Micro, Small, Medium Enterprises - Govt. of India)

MSME Registered

NTPTL/2024-25 No: OBL/178

TEST REPORT

Ref.No: NTPTL/178/2024-25	Date of Receipt: 25.07.2024 Date of Issue : 29.07.2024	No. of Pages: 1/1
Sample Description :	PLAIN COOL PRO WHITE /Colour: White/Size:300 x 300 mm	
Sample submitted by :	**Orient Bell Limited** Village-Chokkahalli, Taluka-Hoskote,,Bengaluru, Bengaluru (Rural), Pin-562114, Karnataka.	
Issued in favour of :	**Orient Bell Limited**	
Reference :	JPOHSK/2425/00101 dated 25.07.2024	
Test Method :	ASTM: C-1549; ASTM: C-1371 and ASTM: E-1980	

TEST PARAMETER	TEST METHOD	OBTAINED VALUES (Average)
Solar Absorptance (α)	ASTM:C-1549	0.292
Solar Reflectance (R)	ASTM:C-1549	0.706
Thermal Emissivity (ε)	ASTM:C-1371	0.82
Solar Reflectance Index Value (*SRI Value)	ASTM:E-1980	85

Surface Temperature with Solar Reflectance Index (SRI Value) under different wind conditions

Wind Condition	Low Wind (0-2 m/s)	Medium Wind (2-6 m/s)	High Wind (6-10 m/s)
Surface Temperature	58.5 °C	50.3 °C	43.6 °C
Solar Reflectance Index (SRI Value)	83.0	84.9	86.1

Instruments Used: 1.Solar Spectrum Reflectometer (wavelength range: 0.3 -2.5μm) for Solar Absorptance &Solar Reflectance
2. Emissometer(wave length range: 3-30 μm) for Thermal Emissivity
*(* SRI Value - By calculation from Solar Reflectance and Thermal Emissivity)*

The results relate only to the sample tested. The test report should not be utilized for any legal purposes and will not be produced in the court of law and no responsibility will be attached to this laboratory

This test report is issued under the conditions mentioned overleaf

29/07/2024

AUTHORIZED SIGNATORY

Email : ntpl19@gmail.com / arknml@gmail.com url:http://www.tiletestinglaboratory.com Mobile : 9444045044 / Ph : 044-24895044

NEWTECH TILES AND PAVERS TESTING LABORATORY

AP-21(Old), 1st Floor, 1st Street, 1st Sector, K.K. Nagar, Chennai - 600 078.
(Regd. Ministry of Micro, Small, Medium Enterprises – Govt. of India)

MSME Registered

NTPTL/2025-26 No:OBL/223

TEST REPORT

Ref.No:**NTPTL/223/2025-26**	Date of Receipt: **24.12.2025** Date of Issue : **01.01.2026**	No. of Pages: 1/1
Sample Description :	**Paver Cool Tile** /Colour: **White** / Size: **300 x 300 mm**	
Sample submitted by :	**Orient Bell Limited** Village-Chokkahalli, Taluka-Hoskote,,Bengaluru, Bengaluru (Rural), Pin-562114, Karnataka.	
Issued in favour of :	**Orient Bell Limited**	
Reference :	**P.O : JPOHSK/2526/00350**	
	ASTM: C-1549; ASTM: C-1371 and ASTM: E-1980	

TEST PARAMETER	TEST METHOD	OBTAINED VALUES (Average)
Solar Absorptance (α)	ASTM:C-1549	0.269
Solar Reflectance (R)	ASTM:C-1549	0.739
Thermal Emissivity (ε)	ASTM:C-1371	0.83
Solar Reflectance Index Value (*SRI Value)	ASTM:E-1980	90
Ambient Temperature: 22 °C	Surface Temperature:48.4 °C	SRI Value :90

Surface Temperature with Solar Reflectance Index (SRI Value) under different wind conditions

Wind Condition	Low Wind (0-2 m/s)	Medium Wind (2-6 m/s)	High Wind (6-10 m/s)
Surface Temperature	55.5 °C	48.4 °C	42.7 °C
Solar Reflectance Index (SRI Value)	89	90.0	91

Instruments Used: 1.Solar Spectrum Reflectometer (wavelength range: 0.3 -2.5μm) for Solar Absorptance&Solar Reflectance
2. Emissometer(wave length range: 3-30 μm) for Thermal Emissivity
(SRI Value - By calculation from Solar Reflectance and Thermal Emissivity)*

The results relate only to the sample tested. The test report should not be utilized for any legal purposes and will not be produced in the court of law and no responsibility will be attached to this laboratory

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01/01/2026

AUTHORIZED SIGNATORY

Email : ntpl19@gmail.com / arknml@gmail.com url:http://www.tiletestinglaboratory.com Mobile : 9444045044 / Ph : 044-24895044

Test Report

NEWTECH TILES AND PAVERS TESTING LABORATORY

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(Regd. Ministry of Micro, Small , Medium Enterprises- Govt.of India)

MSME Registered

NTPTL/2025-26 No: OBL/211/2

TEST REPORT

Ref.No: **NTPTL/211/2/2025-26**	Date of Receipt: **04.07.2025** Date of Issue : **09.07.2025**	No. of Pages: 1/1
Sample Description : Sample submitted by :	**Plain Cool Tile** / Colour: **White** / Size: **600 x 600 mm** **Orient Bell Limited** Village-Chokkahalli, Taluka-Hoskote, Bengaluru, Bengaluru (Rural), Pin-562114, Karnataka.	
Issued in favour of :	**Orient Bell Limited**	
Reference :	**Email dated 26.06.2025**	
Test Method :	**ASTM: C-1549; ASTM: C-1371 and ASTM: E-1980**	

TEST PARAMETER	TEST METHOD	OBTAINED VALUES (Average)
Solar Absorptance (α)	ASTM:C-1549	0.262
Solar Reflectance (R)	ASTM:C-1549	0.734
Thermal Emissivity (ε)	ASTM:C-1371	0.85
Solar Reflectance Index Value (*SRI Value)	ASTM:E-1980	90

Surface Temperature with Solar Reflectance Index (SRI Value) under different wind conditions

Wind Condition	Low Wind (0-2 m/s)	Medium Wind (2-6 m/s)	High Wind (6-10 m/s)
Surface Temperature	55.6 °C	48.5 °C	42.7 °C
Solar Reflectance Index (*SRI Value)	88.4	89.6	90.3

Instruments Used: 1.Solar Spectrum Reflectometer (wavelength range: 0.3 -2.5μm) for Solar Absorptance&Solar Reflectance
2. Emissometer (wave length range: 3-30 μm) for Thermal Emissivity
*(*SRI Value - By calculation from Solar Reflectance and Thermal Emissivity)*

The results relate only to the sample tested. The test report should not be utilized for any legal purposes and will not be produced in the court of law and no responsibility will be attached to this laboratory

This test report is issued under the conditions mentioned overleaf

09/07/2025

AUTHORIZED SIGNATORY

Email : ntpt19@gmail.com / arknml@gmail.com url:http://www.tiletestinglaboratory.com Mobile : 9444045044 / Ph : 044-24895044

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NTPTL/2025-26 No: OBL/211/1

TEST REPORT

Ref.No: **NTPTL/211/1/2025-26**	Date of Receipt: **04.07.2025** Date of Issue : **09.07.2025**	No. of Pages: 1/1
Sample Description :	**Dew Droplets Cool Tile** / Colour: **White** / Size: **600 x 600 mm**	
Sample submitted by :	**Orient Bell Limited** Village-Chokkahalli, Taluka-Hoskote,,Bengaluru, Bengaluru (Rural), Pin-562114, Karnataka.	
Issued in favour of :	**Orient Bell Limited**	
Reference :	**Email dated 26.06.2025**	
Test Method :	**ASTM: C-1549; ASTM: C-1371 and ASTM: E-1980**	

TEST PARAMETER	TEST METHOD	OBTAINED VALUES (Average)
Solar Absorptance (α)	ASTM:C-1549	0.262
Solar Reflectance (R)	ASTM:C-1549	0.734
Thermal Emissivity (ε)	ASTM:C-1371	0.85
Solar Reflectance Index Value (*SRI Value)	ASTM:E-1980	90

Surface Temperature with Solar Reflectance Index (SRI Value) under different wind conditions

Wind Condition	Low Wind (0-2 m/s)	Medium Wind (2-6 m/s)	High Wind (6-10 m/s)
Surface Temperature	55.6 °C	48.5 °C	42.7 °C
Solar Reflectance Index (*SRI Value)	88.4	89.6	90.3

Instruments Used: 1.Solar Spectrum Reflectometer (wavelength range: 0.3 -2.5μm) for Solar Absorptance&Solar Reflectance
2. Emissometer (wave length range: 3-30 μm) for Thermal Emissivity
*(* SRI Value - By calculation from Solar Reflectance and Thermal Emissivity)*

The results relate only to the sample tested. The test report should not be utilized for any legal purposes and will not be produced in the court of law and no responsibility will be attached to this laboratory

This test report is issued under the conditions mentioned overleaf

CHENNAI-78

09/07/2025

AUTHORIZED SIGNATORY

Email : ntpt19@gmail.com / arknml@gmail.com url:http://www.tilestestinglaboratory.com Mobile : 9444045044 / Ph : 044-24895044

Certificate

NP26GPC00743

GRIHA

GRIHA Council

This is to certify that the product of

"Orient Bell Limited"

Cool Tile

(under typology: High SRI external paints/ tiles/ cool roof coating)

has been included in the GRIHA Product Catalogue under the following categories:

GRIHA V.2019: criterion: 3 & 7
GRIHA V.2015: criterion: 3 & 8
& SVAGRIHA V2.2: criterion: 2 & 5

The product can be used in GRIHA & SVAGRIHA registered projects to meet the GRIHA & SVAGRIHA norms, respectively. This is valid only for the product which has been mentioned above.

The certificate for the above-mentioned product is valid from

19th February 2026 to 18th February 2028

Sanjay Seth
Vice President & Chief Executive Officer

Note:
1. Before selecting the above specified products, it is recommended to revalidate that the project is meeting the GRIHA's mandatory compliances.
2. This evaluation has been done based on the documentation – in the form of 3rd party test results and/or declarations – submitted by the manufacturer to GRIHA Council.
3. The enlisted product(s) only qualify for the criterion mentioned in the certificate.

GRIHA Council is a joint initiative of Ministry of New and Renewable Energy, Government of India and Th
to implement GRIHA (Green Rating for Integrated Habitat Assessment). Indi
www.





CII
Confederation of Indian Industry

IGBC

Membership Certificate

This is to certify that

Orient Bell Ltd

is an Annual Member of Indian Green Building Council (IGBC)

Bearing Membership No **IGBCMP111318**

This certificate shall be valid up to December 2026

K S Venkatagiri
Executive Director
CII - IGBC

B Thiagarajan
Chairman
Indian Green Building Council

C Shekar Reddy
Vice Chairman
Indian Green Building Council

Indian Green Building Council
CII - Sohrabji Godrej Green Business Centre, Survey No. 64, Near Hitech City, R R Dist, Hyderabad - 500 084
T: +91 40 4418 5132 / 33 F: +91 40 4418 5189 E: igbc@cii.in W: igbc.in



Use OBL Cool Tiles on sun facing walls



Give your security guard some comfort this summer

TECHNICAL SPECIFICATIONS Normal Floor Cool Tiles

PACKING DETAILS			
Size	No. of Tiles	Covered Area Per Carton	
(In mm.)	Per Carton	(In Sq. Mtr.)	(In Sq. Ft.)
600x600 Cool Tile	4	1.44	15.5
300x300 Cool Tile	10	0.87	9.36

AS PER INDIAN STANDARD (IS 15622:2017) GROUP B IIB				
Characteristics	**Testing Methods**	**Required as per IS 15622:2017 3 < E ≤ 6 % (Group B II a)**		**OBL Norms**
DIMENSIONS AND SURFACE QUALITY		Unrectified	Rectified	
Deviation in length & Width	IS 13630 Part 1/ ISO 10545-2	± 0.4 %	± 0.1 %	Conforms
Deviation in Thickness		± 5.0 %		±4.0%
Straightness of Sides		± 0.3 %	± 0.1 %	Conforms
Rectangularity		± 0.3 %	± 0.1 %	Conforms
Surface Flateness		± 0.5 %		± 0.3 % ☻☻
Surface Quality		Min. 95 % tiles should be free from visible defects		Conforms
PHYSICAL PROPERTIES:				
Water Absorption	IS 13630 Part 2/ ISO 10545-3	Avg 3 < E ≤ 6, Individual Max,6.2		5-6%
Modulus of Rupture N/mm²	IS 13630 Part 6/ ISO 10545-4	Avg 22, Individual 20, Min		>28 ☻☻
Breaking Strength, in N		< 7.5 mm thickness: 600, Min ≥ 7.5 mm thickness: 1000, Min		>1000/>600 ☻☻
Moisture Expansion in mm/m	IS 13630 Part 3	0.03, Max		0.02
Scratch Hardness of Surface (Mohs)	IS 13630 Part 13	4, Min		Min 5
Resistance to Surface Abrasion of glazed tiles (Class I to V)	IS 13630 Part 11/ ISO 10545-7	Class II, Min		PEI Class 3-5 (depending on surface)
Co-efficient of Linear Thermal Expansion from ambiant temperature to 100°C	IS 13630 Part 4/ ISO 10545-8	$9x10^{-6}$ K^{-1},Max		Conforms
Thermal Shock Resistance	IS 13630 Part 5	10 cycles, Min		Passed
Crazing Resistance	IS 13630 Part 9/ ISO 10545-9	4 Cycles@7.5 bar, Min		Passed ☻
Frost Resistance	IS 13630 Part 10	Required, if agreed		NA
Impact Resistance-Coefficient of restitution	IS 13630 Part 14	0.55, Min		Conforms
CHEMICAL PROPERTIES:				
Stain Resistance	IS 13630 Part 8/ ISO 10545-13 and ISO 10545-14	Class I, Min		Conforms
Resistance to household chemicals		Class AA, Min		Conforms
Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds)		Required, if agreed		Min Class AA

NOTE: Certain amount of Size and Shade Variation is inherent in all ceramic products. Within the limits of printed material, the colors and aesthetics of the products correspond closely to those of illustrated products. Prospective customers are advised to inspect a sample of the tile before ordering and laying. At all points of time, the company liability is restricted to the purchase value of tiles.

Every effort has been made to ensure the accuracy of the information given. However, the company reserves the right to delete & change, any of the items, colors, sizes & technical specifications without any prior notice.

TECHNICAL SPECIFICATIONS Paver Floor Cool Tiles

Packing Details			
Size	**No. of Tiles Per Carton**	**Covered Area Per Carton**	
(In mm.)		(In Sq. Mtr.)	(In Sq. ft.)
300X300 (Cool Tile)	10	0.9	9.68

As per IS0 13006:2012 (Group B Ia) and as IS 15627:2017 (Group B Ib)				
Characteristics	**Test Method**	**Required as per IS 15622:2017 0.08 < E ≤ 3 % (Group B b**		**OBL Value**
Dimension & Surface Quality		Unrectified	Rectified	
Deviation in Length & Width	IS 13630 (Part 1):2006	± 0.4 %	± 0.1 %	± 0.10 %
Deviation in Thickness		± 5.0 %		± 4.0 %
Straightness of Sides		± 0.3 %	± 0.1 %	± 0.10 %
Rectangularity		± 0.3 %	± 0.1 %	± 0.10 %
Surface Flatness		±0.5%		± 0.2 % ☻☻
Surface Quality		Min. 95 % tiles should be free from visible defects		Conform
Physical Properties				
Water Absorption %	IS 13630 (Part 2):2006	Avg 0.08<E≤3%, Individual 3.3 % Max		Av < 3% ☻☻
Modulus of Rupture in [N/mm^2]	IS 13630 (Part 6):2006	Avg 30, Individual 27 Min		> 35 ☻☻
Breaking Strength in N	IS 13630 (Part 6):2006	700 Min for thickness <7.5 MM, 1100 Min for thickness ≥ 7.5 MM		1500 Min ☻☻
Moisture Expansion	IS 13630 (Part 3):2006	0.02 Max		Conforms
Scratch Hardness (Moh's Scale)	IS 13630 (Part 13):2006	5 Min		5-8 depends on surface ☻
Resistance to Surface abrasion of glaze tiles Class I to V (Applicable for floor applications only)	IS 13630 (Part 11):2006	Class II Min		3-5 as per design/surface
Linear thermal expansion Co-efficient	IS 13630 (Part 4):2006	$7x10^{-6}$, Max		Conforms
Thermal Shock Resistance	IS 13630 (Part 5):2006	10 Cycles, Min		Passed
Crazing Resistance	IS 13630 (Part 9):2006	4 Cycles at 7.5 Bar, Min		Passed
Impact Resistance	IS 13630 (Part 14):2006	0.55, Min		Conforms
Frost Resistance	IS 13630 (Part 10):2006	Required		Resistance
Chemical Properties				
Resistance to staining of Glazed Tiles	IS 13630 (Part 8):2006	Class I Min		Min. Class-1
Resistance to Household Chemicals		Class AA, Min		Min. Class-AA
Resistance to acids and alkalis (Except HF)		Require If Agreed		Required, if agreed

NOTE: Certain amount of Size and Shade variation is inherent in all ceramic products. Within the limits of printed material, the colors and aesthetics of the products correspond closely to those of illustrated products. Prospective customers are advised to inspect a sample of the tile before ordering and laying. At all points of time, the company liability is restricted to the purchase value of tiles.

Every effort has been made to ensure the accuracy of the information given. However, the company reserves the right to delete & change, any of the items, colors, sizes & technical specifications without any prior notice.

orientbell tiles

Making Tile Shopping Easy

InstaLook
Powered By Orientbell Tiles

TriaLook®
Tiles selected by you in your room

TruLook®
Share layout for a personalised render*

www.orientbell.com

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CIN: L14101UP1977PLC021546

Please join us on social media

OBL/HSK/Cool Tile Catalogue/Nov2026