



anti static tiles

borientbell
tiles

**GROUNDING
STATIC CHARGE**

◆ 24/7 ◆

ANTI-STATIC

TILES

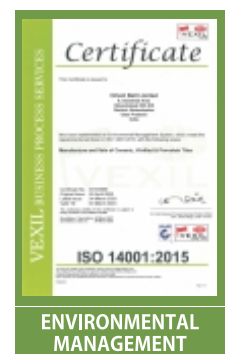
600x600 mm

About OBL

Orient Bell Limited (OBL) is amongst the largest manufacturers of Wall and Floor Tiles. Established in 1977, OBL has been a pioneer in the Industry with a focus on customer-centric innovation.

First to manufacture ultra-vitrified tiles, new product designs & development is a continuous process at OBL. As a result it has an extensive range of tiles with various finishes & textures. It has 4 patent-pending technologies: Forever Tiles, GermFree Tiles, Cool Tiles & Life Tiles.

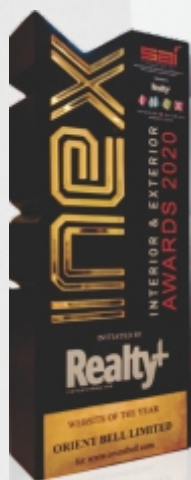
To display extensive range of tiles, we have a chain of signature showrooms. Privileged to be associated with premier architects and construction agencies of the country, it also counts most leading developers as well as government & public sector institutions as its customers.



- The ISO 9001:2015 accreditation for our quality control management systems reflects the quest for manufacturing international standard products.
- In 2015 our Sikandarabad plant was awarded with prestigious ISI certification for its products.
- In May 2000, OBL was awarded ISO 14001 certification by the internationally recognised BSI Management Systems, UK.
- Our manufacturing units are ISO 14001:2015 certified, the most complete and global expression for an environment friendly industrial company.
- We have been awarded OHSAS 18001 Certification for Health & Safety Standards. No waste water is ever discharged from our factory.
- We were also awarded with "Certificate Of Merit" in 'National Energy Conservation Award' 2016 organised by Ministry of Power for saving Power and Fuel consumption.

OBL Awards & Accolades

Realty+ recognizes the best of the best within the ranks of Indian Real Estate



Website of the Year-Jan 2020
for www.orientbell.com
(India's construction & design industry)



Brand of the Year-Jan 2021
(Flooring Idea-Tiles & Ceramic)



Best Infrastructure Brands
(2021)



Best Omnichannel Retail Model
Winners Future of Retail Summit & Awards 2020



Customer Retail Journey Innovation
Winners Future of Retail Summit & Awards 2020



CEO with HR Orientation
ZEE BUSINESS
National Human Capital Leadership Congress & Awards

WHAT IS STATIC CHARGE?

Static electrical charge may be built due to rubbing of any two surfaces. For example, when we walk on the floor or when clothes are rubbed together, Static charge is generated through friction.



SHOES AND FLOOR



RUBBING OF CLOTHES

WHY IT IS DANGEROUS?

When static charge dispersed to sensitive electronic equipments or transferred in fire prone areas, it could create an unexpected combustion & electrocution.



DEVICE MALFUNCTION



ELECTRICAL SHOCK

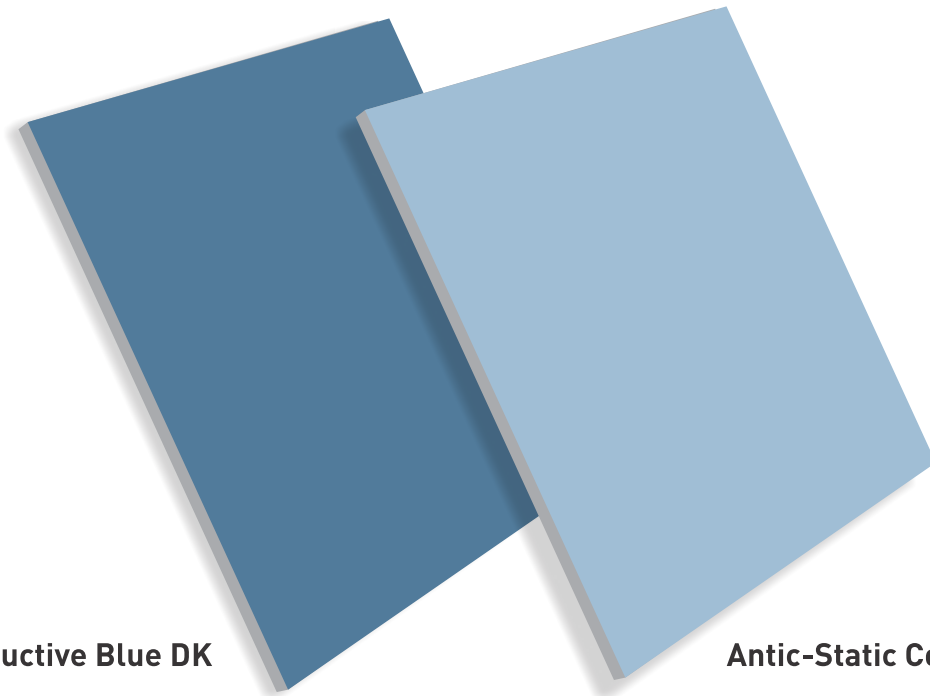


FIRE



I N T R O D U C I N G

OBL ANTI-STATIC TILES



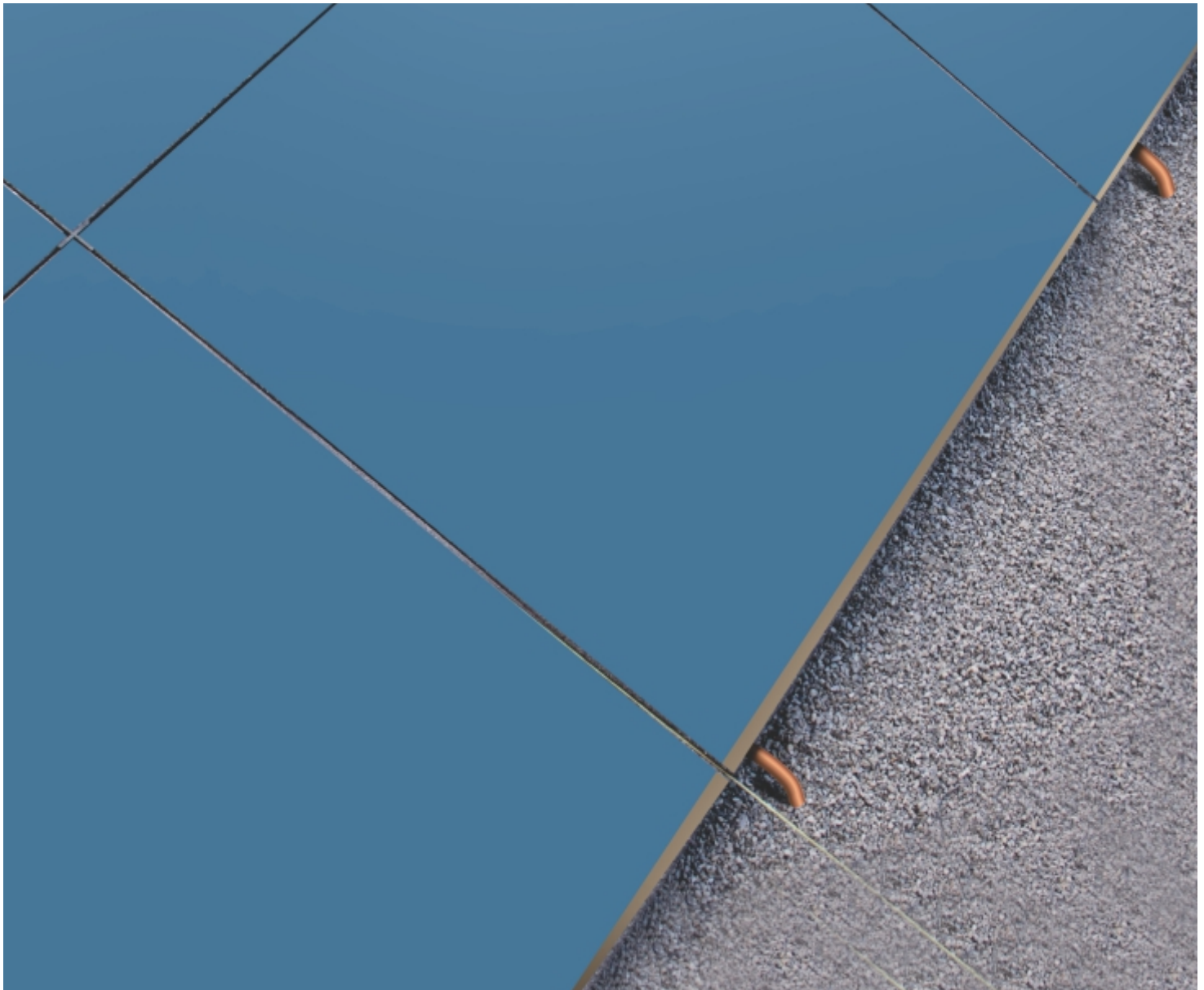
Antic-Static Conductive Blue DK

Antic-Static Conductive Blue LT

Orientbell Tiles is proud to introduce the Anti-static range of vitrified tiles that drastically reduce the generation of static electricity, ensuring safe and reliable floors. This is ideal for environments where build-up of static electricity is a possibility. It has two color options to add utility as well as boost aesthetics.



HOW OBL ANTI-STATIC TILES ENSURES SURFACE CONDUCTION?



- Ensures that the surface electrical conductivity is below 10^6 Ohm/sqm for static conductive requirements.
- Especially designed surface charge collector at all the edges of the tile.
- The conductive grout collects the static charge from the edges & transfer it to the earth via ground earthing connectors.

ANTI-STATIC

CONDUCTIVE TILE

Surface Resistance (10^3 to 10^6 ohm/sq)



Major Applications Area:

Data Centre

Server Room

MRI Room

IT Industry

PCB Manufacturing

Medical Labs

Computer Labs

Mobile/TV Assembly Units

PLC Panel Rooms

Operations Theatre

Ordinance Factories

Defense Factories

Petro Chemical Factories

Chemical Plants

Shell Making Factories

Pharma Industry

Bulk Drug Units

3 UNIQUE ADVANTAGES

1 COLOR CODING



Two colors can be creatively used to achieve a variety of operational outcomes.



2 SATIN FINISH



Orientbell Anti-Static tiles are made in Satin Finish which ensures less accumulation of dirt and thereby reduces the chance of friction that causes static charge. Easy to clean and maintain, satin finish gives a clean and neat look to your spaces.

③ IISc CERTIFICATION



OBL Anti-Static tiles has been certified by India's Most Reputed **IISc Bangalore**, which is one among the World's Top 100 Universities.

VARIOUS APPLICATION AREAS



COMPARISON

ANTIC-STATIC vs PVC/EPOXY ANTI-STATIC FLOORING

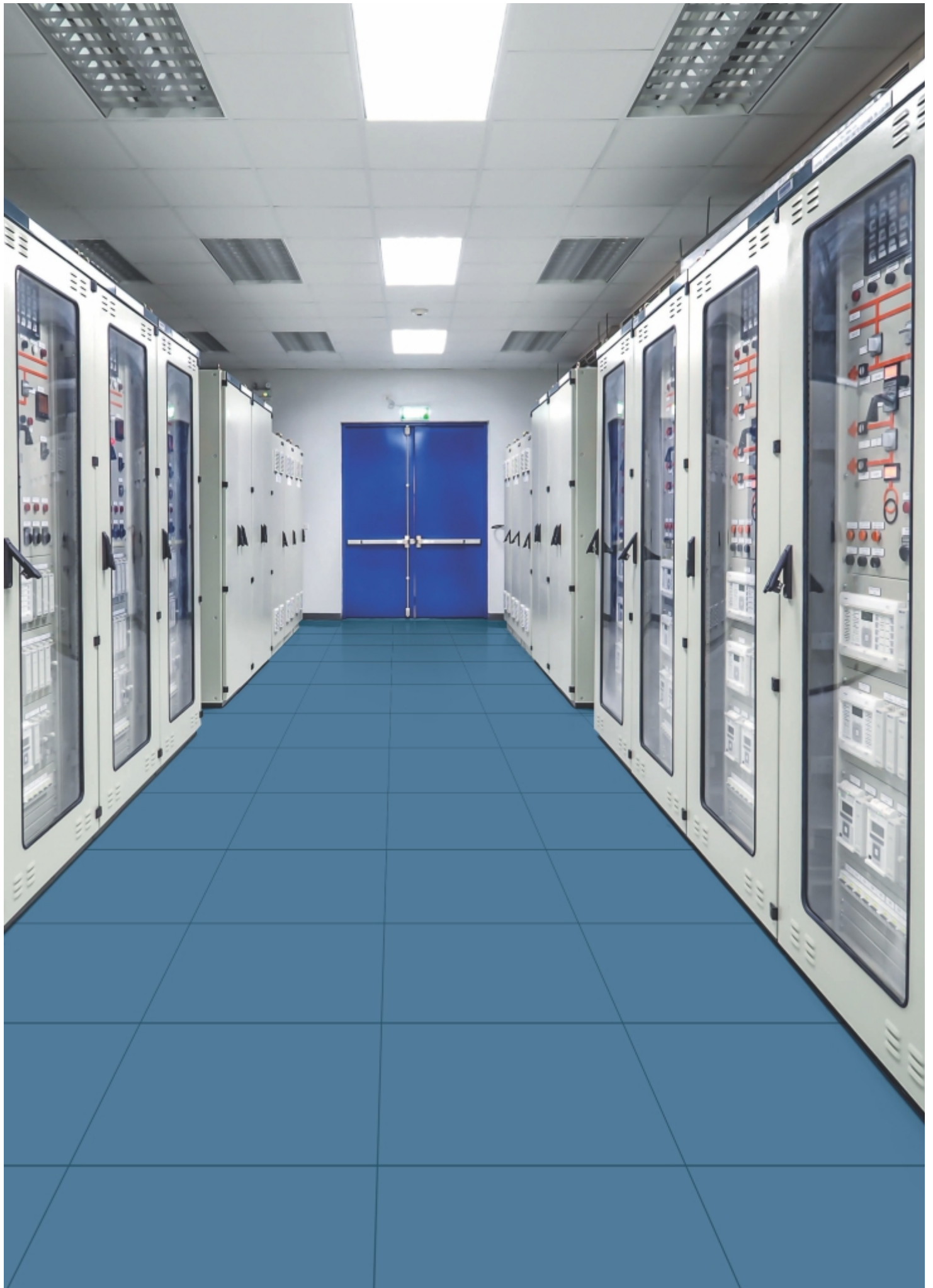


Anti-Static Tiles

Vs

PVC/ Epoxy Anti-Static Flooring

Much better because of metals presence in the glaze	CONDUCTIVITY PERFORMANCE	Less conductive
Low, Easy to clean	MAINTENANCE	High maintenance
No wear and tear	ABRASION	High chances of wear and tear
No effect of load, no compression as made of vitrified base only	COMPRESSION	Becomes thinner and brittle over period of time due to equipment load
Stain resistant	STAIN RESISTANCE	Get stains easily
No effect of acid and alkalis (except HF acids & its derivatives)	CHEMICAL RESISTANCE	Very high chances of reacting even with mild acids and alkalis
Fire Resistant	FIRE RESISTANCE	Prone to catch fire
Almost negligible	WATER ABSORPTION	Moisture underneath causes corrodes the adhesive
Color remains intact for years	COLOR DISCOLORATION	Color fades with time
No possibility of fungus, top surface don't react with moisture	FUNGUS FORMATION	Humidity and moisture causes fungus formation



TECHNICAL SPECIFICATIONS

Anti-Static Tiles

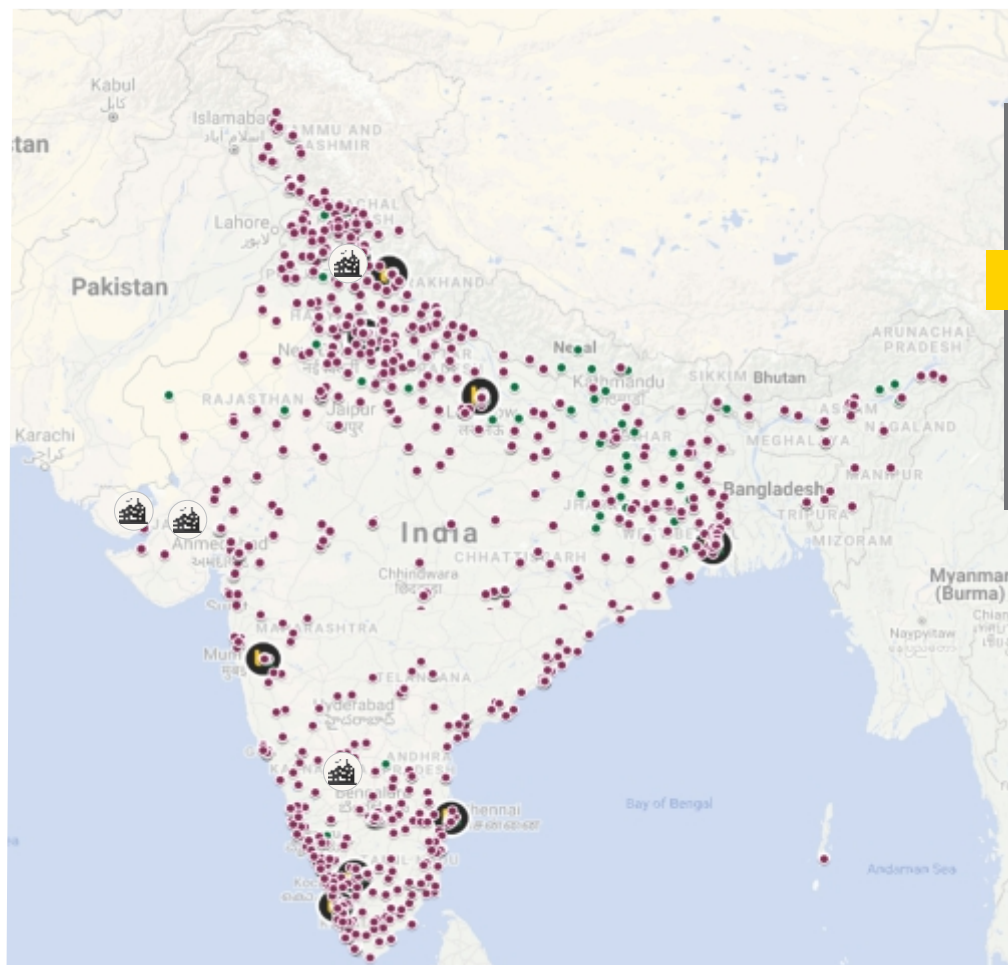
Packing Details

Size (In mm.)	No. of Tiles Per Carton	Covered Area Per Carton	
		(In Sq. Mtr.)	(In Sq. Ft.)
600x600	4	1.44	15.5





Characteristics	Testing Methods	Requirement as per IS 15622:2017 0.08<E≤3 (Group B Ib)		OBL Norms
		Unrectified	Rectified	
Dimension & Surface Quality				
Deviation in Length & Width	IS 13630 Part 1	±0.4%	± 0.1 %	±0.1%
Deviation in Thickness		± 5.0 %		±4.0%
Straightness of Sides		± 0.3 %	± 0.1 %	±0.1%
Rectangularity		± 0.3 %	± 0.1 %	±0.1%
Surface Flatness		± 0.5 %		± 0.2 %
Surface Quality		Min 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of the tile		Conforms
Physical Properties				
Water Absorption %	IS 13630 Part 2	Avg 0.08 < E ≤ 3 % , Individual 3.3 % Max		Avg <0.5 %
Modulus of Rupture in N/mm ²	IS 13630 Part 6	Avg 30, Individual 27, Min		Min 38 N/mm ²
Breaking Strength (N)		700 Min for thickness < 7.5mm, 1100 Min for thickness ≥ 7.5 mm		Min 1500 N
Moisture Expansion	IS 13630 Part 3	0.02, Max		Conforms
Scratch Hardness (Moh's Scale)	IS 13630 Part 13	5, Min		Min 5
Resistance to Surface Abrasion of glazed tiles Class I to V (Applicable for floor applications only)	IS 13630 Part 11	Class II, Min		Class III to IV (Depending on surface)
Linear thermal expansion Co-efficient	IS 13630 Part 4	7x10 ⁻⁶ , Max		Conforms
Thermal Shock Resistance	IS 13630 Part 5	10 Cycles, Min		Passed
Crazing Resistance	IS 13630 Part 9	4 Cycles at 7.5 Bar, Min		4 Cycles at 7.5 Bar
Impact Resistance	IS 13630 Part 14	0.55, Min		Min, 0.7
Skid Resistance	DIN 51130	Manufacturer to declare value where required		>R9
Frost Resistance	IS 13630 Part 10	Required if agreed to between manufacturer and purchaser		Resistant
Bulk density g/cc	IS 13630 Part 2	2.0, Min		2.1, Min
Surface Electrical Resistance	ANSI/ESD S7.1	10 ³ ohm/ square to 10 ⁶ ohm/ square (Conductive)		0.1 x 10 ⁶ ohm/square
		10 ⁶ ohm/ square to 10 ⁹ ohm/ square (Dissipative)		10 ⁶ to 10 ⁸ ohm/square
Chemical Properties				
Resistance to staining of glazed tiles	IS 13630 Part 8	Class I, Min		Min Class I
Resistance to household chemicals		Class AA, Min		Min Class AA
Resistance to acids and alkalis (Except HF)		Require 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.



A Network of
2500+
 Channel Partners

-  Franchise Owned Boutiques
-  Channel Partners
-  Company Owned Boutiques
-  Plants

ORIENT BELL TILE BOUTIQUE

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 SCO - 6, First Floor, Sector 7-C, Madhya Marg, Chandigarh-160 019,
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CHENNAI
 New No: 85, Old No: 30, Maharaja Tower, 2nd Floor, 1st Avenue,
 Ashok Nagar, (Above Kotak Mahindra Bank), Chennai-600 083,
 Tel.: +91 44 4213 8687

COCHIN
 "SURYA GAYATRI", Building No. 32/8, B3, Puthiya Road, New Junction,
 (Opposite Holiday Inn Hotel) Ernakulam By Pass Road, Cochin-682 031
 Tel.: +91 97457 68058

COIMBATORE
 11, 1st Floor, Venkata Samy Road (East), R.S. Puram,
 Coimbatore-641 002,
 Tel.: +91 89799 41666

DEHRADUN
 Duggal Complex (Near Kamla Palace Hotel), GMS Road,
 Dehradun-248 001,
 Tel.: +91 97197 01064

KOLKATA
 8/1, Burdwan Road, Alipore, Kolkata-700 027,
 Tel.: +91 33 4068 4046/7

LUCKNOW
 Raj Rani Apartment, Ground Floor, Near Beej Nigam, Badhshah Nagar Railway
 Station, Lucknow-226 006,
 Tel.: +91 99847 86404

NEW DELHI
 M-47, GK-II, M Block, New Delhi-110 048,
 Tel.: +91 11 4068 7468/69

PUNE
 Shop No. 3 and 4, A Tower Vega Centre, C.T.S No. 710, Final Plot No. 401/1,
 Shankarasheth Road, Gultekdi, Swargate, Pune-411 037
 Tel.: +91 73910 72247

VADODRA DISPLAY CENTRE
 78-79, 2nd Floor, Surya Kiran Complex, Beside Banker Heart Institute,
 Old Padra Road, Vadodara-390007, Gujarat
 Tel.: +91 98254 14113



Making Tile Selection Easier



Find tiles similar to a reference image



Tiles selected by you in your room



Visualise selected tiles & get a quote



Share layout for a personalised render*

www.orientbell.com

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