



CERAMIC FLOOR TILES

400x400mm/300x300mm Pavers & Parking Tiles
300x300mm Normal Floor



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.

OBL Awards & Accolades

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



Website of The Year 2024
for www.orientbell.com
(India's construction & design industry)



Indian Digital Marketing 2023
Best use of social media



e4m Pride of India Brands 2022
(The Best Of Bharat Conference & Awards)



Brand of The Year 2023
(Flooring Idea-Tiles & Ceramic)



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



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

Listed on BSE (530365) for 20+ years.
And also on NSE (ORIENTBELL).

Anti-Skid | Ceramic Floor

400X400MM | TIMELESS PARKING TILES

TL ARABIC GREY MULTI	07
TL CAPSULE TAUPE GREY	10
TL CEMENTO GREY	07
TL CEMENTO IVORY	11
TL CEMENTO BROWN	11
TL CEMENTO BRONZE	13
TL CEMENTO CHOKO	13
TL CEMENTO SILVER	07
TL CEMENTO SLATE	07
TL COBBLESTONE BROWN	11
TL COBBLESTONE COTTO	11
TL COBBLESTONE BEIGE	12
TL COBBLESTONE FLORA MULTI	12
TL COBBLESTONE GREY	10
TL COBBLESTONE MULTI	12
TL COBBLESTONE ROUGH	11
TL COBBLESTONE RANGOLI MULTI	13
TL CUBE GREY	07
TL CUBE MULTI	13
TL GEOMETRIC BEIGE	12
TL GEOMETRIC GREY	10
TL GEOMETRIC MULTI	13
TL GEOMETRIC STONE	12
TL HEXA ARC MULTI	10
TL HEXA ARC NERO	10
TL HEXA ARC STONE GREY	10
TL KASO BLUE	14
TL KASO BEIGE	13
TL KASO CREMA	07
TL MOROCCAN 4X4 BEIGE MULTI	11
TL MOROCCAN ART BLACK WHITE	14
TL OCTO BEIGE	12
TL OCTO GREY	10
TL OCTO MULTI	12
TL OCTO SLATE	10
TL PINE WOOD PLANK MULTI	13
TL ROUGH STONE BROWN	11
TL ROUGH STONE CREAMA	11
TL RUSTIC BLUE DK	08
TL RUSTIC BLUE LT	08
TL RUSTIC BROWN	09
TL RUSTIC COTTO	09
TL RUSTIC CREAMA	09
TL RUSTIC GREY DK	09
TL RUSTIC GREY LT	09
TL RUSTIC SILVER	09

300X300MM | PARKING TILES

OPV Arabesque Flora Multi	17
OPV Basket Weave Grey	16
OPV Capsule Ivory	18
OPV Capsule Terracotta	18
OPV Chex Ivory	18
OPV Chex Terracotta	18
OPV Coin Ivory	18
OPV Coin Terracotta	18
OPV Hexo Brown	17
OPV Hexo Grey	16
OPV Plain Ivory	18
OPV Plain Terracotta	18
OPV Rocky Beige	17
OPV Rocky Black	17
OPV Rocky Grey	16
OPV Star Ivory	18
OPV Star Terracotta	18
OPV Tomby Grey	16
OPV Wavo Brown	17
OPV Wavo Multi	17

300X300MM | ANTI-SKID TILES

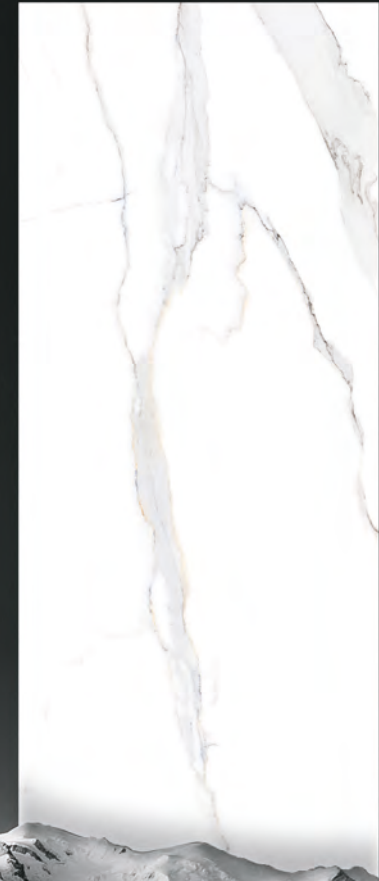
ANTI-SKID EC BABY BLUE	21
ANTI-SKID EC CORAL AQUA	21
ANTI-SKID EC CREAMA	21
ANTI-SKID EC DENIM BLUE	21
ANTI-SKID EC FISH PEBBLE	21
ANTI-SKID EC GRID AQUA LT	21
ANTI-SKID EC HONEY PEACH	21
ANTI-SKID EC IVORY	21
ANTI-SKID EC MAHOGANY BROWN	21
ANTI-SKID EC NERO	21
ANTI-SKID EC PEBBLE	21
ANTI-SKID EC QUARTZITE EC BLUE LT	21
ANTI-SKID EC VENEZIA WOOD DK	21
ANTI-SKID EC WARM GREY	21
ANTI-SKID EC WHITE	21

300X300MM | NORMAL TILES

BIANCA EC DEW	22
BIANCA EC DEW	22
BRINA COPPER EC BROWN	27
BURJ EC SLATE	23
BURJ EC BEIGE BROWN	26
CLOUDY EC COPPER	27
DORA EC WHITE	22
GALAXY EC BROWN	26
GALAXY EC PINK	26
GLACIER EC WHITE	22
LITHOS EC BROWN	26
MAJESTY EC BEIGE	25

ODM ALBERTA (EC) BROWN FL	24
ODM AMELIA (EC) GREY LIGHT FL	22
ODM BOHMIA (EC) GRIS LT FL	22
ODM BOTTICHINO (EC) BEIGE FL	26
ODM CAMIA (EC) CREMA FL	24
ODM CEMENTO EC BEIGE	23
ODM CEMENTO EC COTTO	23
ODM CEMENTO EC GREY	23
ODM CEMENTUM EC GREY LT FL	22
ODM CHARMS (EC) SANDUNE FL	25
ODM DAKOTA (EC) BROWN FL	26
ODM DEBONA (EC) CREAMA DK FL	25
ODM D-LITE (EC) GREY FL	22
ODM DORMA (EC) BEIGE FL	25
ODM EMBROIDERY (EC) BEIGE LT FL	24
ODM EMILIA (EC) BEIGE FL	23
ODM IMPERIAL EC BEIGE FL	25
ODM LENOX (EC) AQUA FL	26
ODM LEON (EC) GREY LIGHT FL	22
ODM MARBELA EC BROWN	26
ODM MARBELA EC GREY	22
ODM MARCO (EC) BEIGE LT FL	25
ODM MOCHA (EC) LT FL	22
ODM NATA (EC) IVORY	24
ODM OMEGA (EC) BEIGE DK FL	26
ODM REAL TRAVERTINE EC BEIGE LT FL	24
ODM SAND EC CREAMA DK FL	24
ODM SAND EC GREY LT FL	22
ODM SARTA (EC) PINK FL	26
ODM STATUARIO (EC) BIANCO FL	22
ODM THUNDER (EC) BLUE FL	26
ODM TRAVERTINE (EC) BROWN FL	26
ODM TWEED (EC) BROWN FL	26
ODM UNISQUARE (EC) BROWN LT FL	23
ODM VICTORIA (EC) BEIGE FL	24
OT 5123 (EC)	23
PLAIN PLATINUM EC GREY	22
PULSAR EC BEIGE	25
PULSAR EC BLUE	26
PULSAR EC DOVE	22
PULSAR EC PINK	26
QUATRO (EC) BROWN	26
QUATRO EC BEIGE	25
SPF DYNA EC GREY LT	23
SPF FLORAL GRID EC WHITE	22
SPF OCEAN EC LT	26
SPF PULPIS EC GREY LT	22
SPF SAND EC CREAMA	24
Cool Tiles	28
Technical Specifications	

Go Grand with **Large Tiles**



AVAILABLE FROM
WESTZONE 

INSPIR 
800x1600mm | Glazed Vitrified Tiles

INSPIR XL 
GLAZED VITRIFIED TILES
1200x1800mm

GRANALT
800x2400mm

AVAILABLE FROM
WESTZONE 



FULL BODY VITRIFIED TILES
600x1200mm

 **CRAFT CLADDING**
COLLECTION
GVT - HDP Elevation Tiles
300x600mm

Mandala
COLLECTION
Heavy Duty Vitrified Tiles
300x600mm

DOUBLE CHARGE TILES
600x1200mm

PAVERS & PARKING TILES

400X400mm



Code Description
TL-Timeless

TIMELESS

400x400mm
Matte Finish
Parking Tiles



400x400mm
TL KASO CREMA



400x400mm
TL CUBE GREY



400x400mm
TL ARABIC GREY MULTI



400x400mm
TL CEMENTO SLATE



400x400mm
TL CEMENTO SILVER



400x400mm
TL CEMENTO GREY



Preview Shown: TL KASO CREMA

TIMELESS

- 400x400mm
- Matte Finish
- Parking Tiles



400x400mm
TL RUSTIC BLUE LT



400x400mm
TL RUSTIC BLUE DK



Preview Shown: TL RUSTIC BLUE LT & TL RUSTIC BLUE DK

TIMELESS

400x400mm

Matte Finish

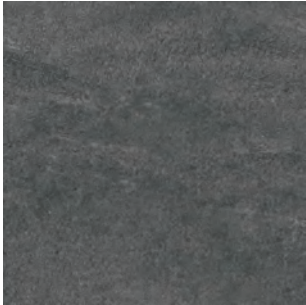
Parking Tiles



400x400mm
TL RUSTIC SILVER



400x400mm
TL RUSTIC GREY LT



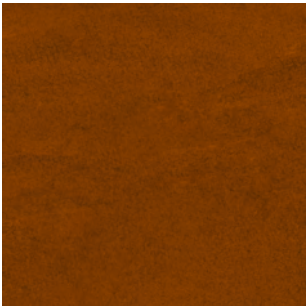
400x400mm
TL RUSTIC GREY DK



400x400mm
TL RUSTIC CREAMA



400x400mm
TL RUSTIC BROWN



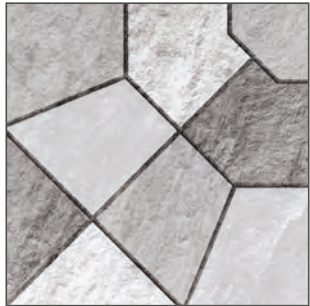
400x400mm
TL RUSTIC COTTO



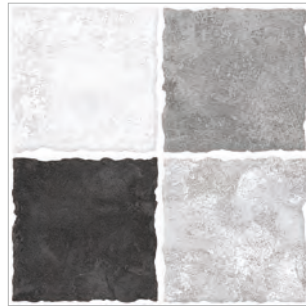
Preview Shown: TL RUSTIC GREY LT

TIMELESS

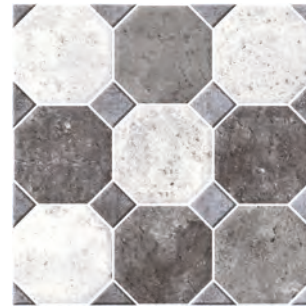
- 400x400mm
- Matte Finish
- Parking Tiles



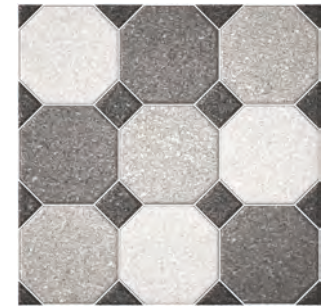
400x400mm
TL HEXA ARC STONE GREY



400x400mm
TL COBBLESTONE GREY



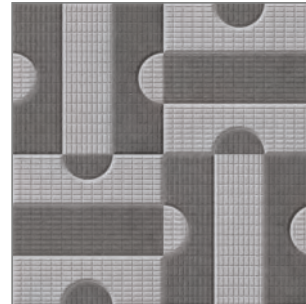
400x400mm
TL OCTO GREY



400x400mm
TL OCTO SLATE



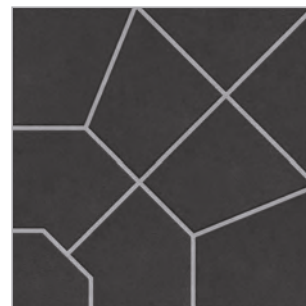
Preview Shown: TL HEXA ARC NERO



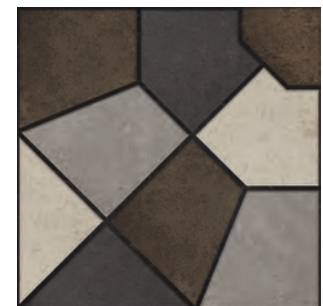
400x400mm
TL CAPSULE TAUPE GREY



400x400mm
TL GEOMETRIC GREY



400x400mm
TL HEXA ARC NERO



400x400mm
TL HEXA ARC MULTI

TIMELESS

400x400mm
Matte Finish
Parking Tiles



400x400mm
TL CEMENTO BROWN



400x400mm
TL ROUGH STONE CREAMA



400x400mm
TL CEMENTO IVORY



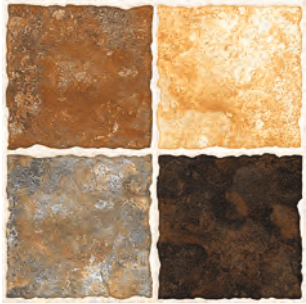
400x400mm
TL MOROCCAN 4X4 BEIGE MULTI



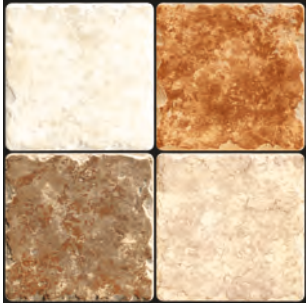
400x400mm
TL COBBLESTONE ROUGH



400x400mm
TL ROUGH STONE BROWN



400x400mm
TL COBBLESTONE COTTO



400x400mm
TL COBBLESTONE BROWN



Preview Shown: TL COBBLESTONE ROUGH

TIMELESS

- 400x400mm
- Matte Finish
- Parking Tiles



400x400mm
TL GEOMETRIC BEIGE



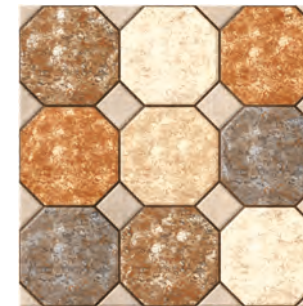
400x400mm
TL GEOMETRIC STONE



400x400mm
TL COBBLESTONE FLORA MULTI



Preview Shown: TL GEOMETRIC BEIGE



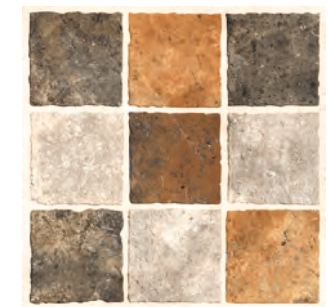
400x400mm
TL OCTO MULTI



400x400mm
TL OCTO BEIGE



400x400mm
TL COBBLESTONE BEIGE



400x400mm
TL COBBLESTONE MULTI

TIMELESS

400x400mm
Matte Finish
Parking Tiles



400x400mm
TL CEMENTO BRONZE



400x400mm
TL COBBLESTONE RANGOLI
MULTI



400x400mm
TL GEOMETRIC MULTI



400x400mm
TL PINE WOOD PLANK MULTI



400x400mm
TL KASO BEIGE



400x400mm
TL CUBE MULTI



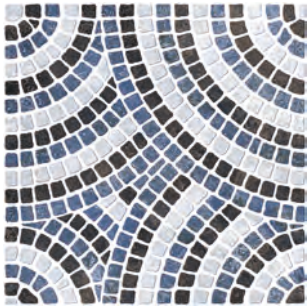
400x400mm
TL CEMENTO CHOKO



Preview Shown: TL PINE WOOD PLANK MULTI

TIMELESS

- 400x400mm
- Matte Finish
- Parking Tiles



400x400mm
TL KASO BLUE



400x400mm
TL MOROCCAN ART
BLACK WHITE



Preview Shown: TL KASO BLUE

PAVERS & PARKING TILES

300X300mm



Code Description
OPV-Orientbell Paver

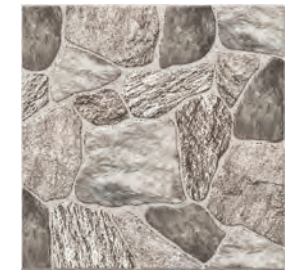
PARKING TILES

300x300mm

Matte Finish



300x300mm
OPV BASKET WEAVE GREY



300x300mm
OPV ROCKY GREY



300x300mm
OPV TOMBY GREY



300x300mm
OPV HEXO GREY



Preview Shown: OPV HEXO GREY

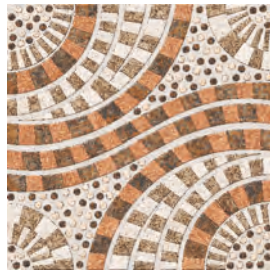
PARKING TILES

300x300mm

Matte Finish



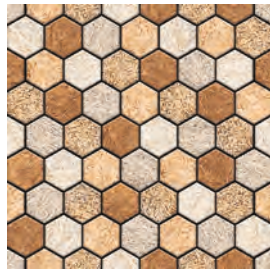
300x300mm
OPV ROCKY BEIGE



300x300mm
OPV WAVO BROWN



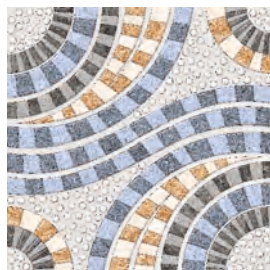
300x300mm
OPV ROCKY BLACK



300x300mm
OPV HEXO BROWN



300x300mm
OPV ARABESQUE FLORA
MULTI



300x300mm
OPV WAVO MULTI



Preview Shown: OPV ARABESQUE FLORA MULTI

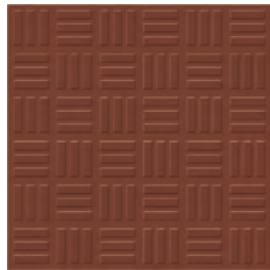
PARKING TILES

300x300mm

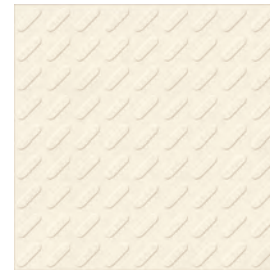
Matte Finish



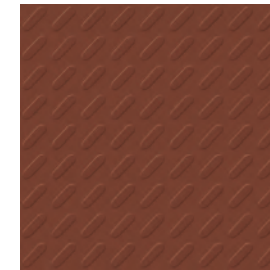
300x300mm
OPV CHEX IVORY



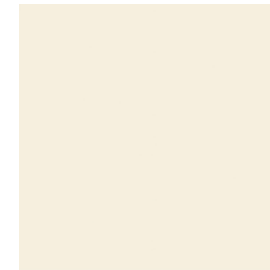
300x300mm
OPV CHEX TERRACOTTA



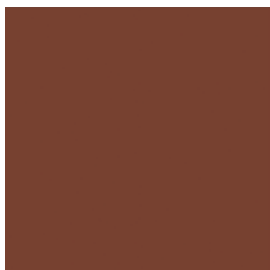
300x300mm
OPV CAPSULE IVORY



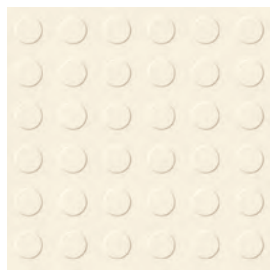
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OPV CAPSULE TERRACOTTA



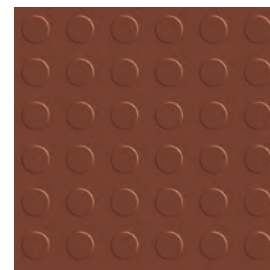
300x300mm
OPV PLAIN IVORY



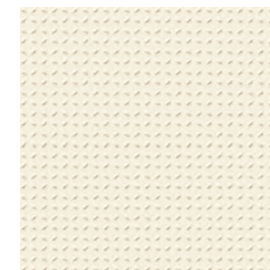
300x300mm
OPV PLAIN TERRACOTTA



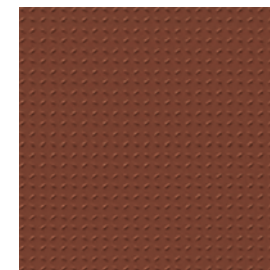
300x300mm
OPV COIN IVORY



300x300mm
OPV COIN TERRACOTTA



300x300mm
OPV STAR IVORY



300x300mm
OPV STAR TERRACOTTA



Preview Shown: OPV CHEX IVORY & OPV CHEX TERRACOTTA

Ceramic Floor Tiles

cut
Edge

300x300mm

Code Description

ODM-Orientbell Digital Matte | SPF-Sparkle Floor Tiles

R1-No Variation | R2-Slight Variation | R3-More Variation | R4- Most Variation

F1-1 Face | F2-2 Face | F3-3 Face | F4-4 Face | F5-5 Face | F6-6 Face | F7-7 Face | F8-8 Face

G1, G2, G3, G4, G5 (Grouping) are as per technical parameters



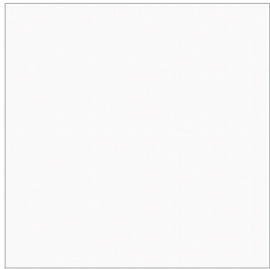
ANTI-SKID

300X300mm

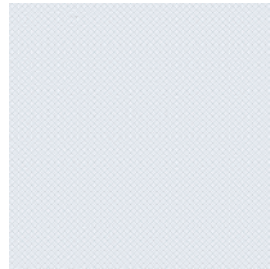
Matte Finish

Ceramic Tiles

Plant:SKD



300x300mm
ANTI-SKID EC WHITE



300x300mm
ANTI-SKID EC GRID AQUA LT



300x300mm
ANTI-SKID EC WARM GREY



300x300mm
ANTI-SKID EC NERO



300x300mm
ANTI-SKID EC IVORY



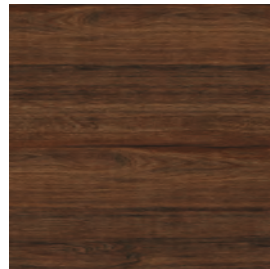
300x300mm
ANTI-SKID EC CREAMA



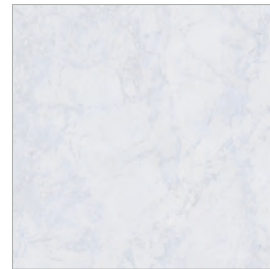
300x300mm
ANTI-SKID EC HONEY PEACH



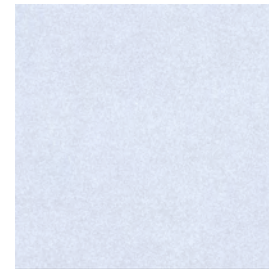
300x300mm
ANTI-SKID EC VENEZIA
WOOD DK



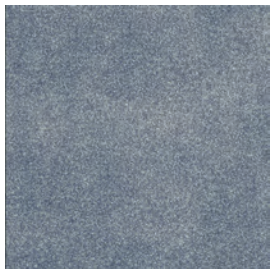
300x300mm
ANTI-SKID EC MAHOGANY
BROWN



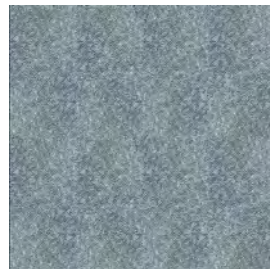
300x300mm
ANTI-SKID EC QUARTZITE
EC BLUE LT



300x300mm
ANTI-SKID EC BABY BLUE



300x300mm
ANTI-SKID EC DENIM BLUE



300x300mm
ANTI-SKID EC CORAL AQUA



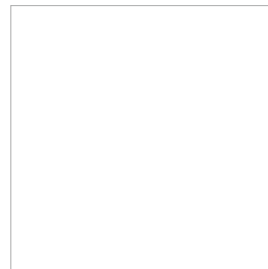
300x300mm
ANTI-SKID EC PEBBLE



300x300mm
ANTI-SKID EC FISH PEBBLE

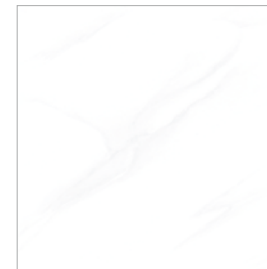
NORMAL FLOOR

- 300X300mm
- Matte Finish
- Ceramic Tiles
- Plant:SKD



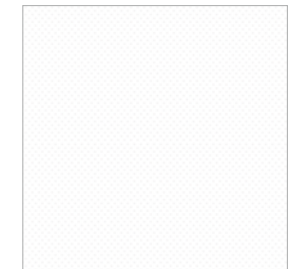
G3
R1

300x300mm
DORA EC WHITE



G4
R1

300x300mm
ODM MARBELA EC GREY

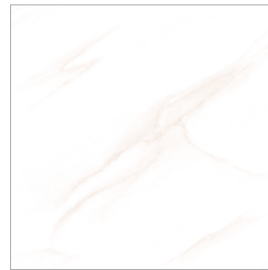


300x300mm
SPF FLORAL GRID EC WHITE



R4
F4

300x300mm
ODM STATUARIO (EC) BIANCO FL



G4
R1

300x300mm
ODM MARBELA EC BROWN



G4
R1

300x300mm
GLACIER EC WHITE



G4
R1

300x300mm
BIANCA EC DEW



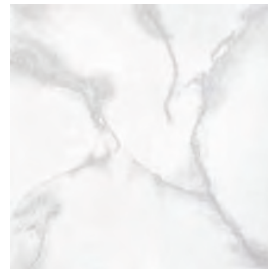
R4
F4

300x300mm
ODM D-LITE (EC) GREY FL



R2
F4

300x300mm
ODM LEON (EC) GREY LIGHT FL



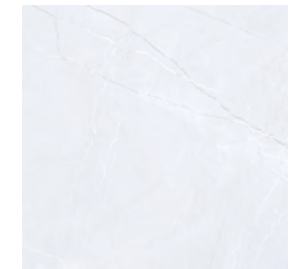
G4
R1

300x300mm
PULSAR EC DOVE

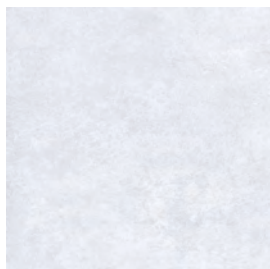


R2
F4

300x300mm
ODM AMELIA (EC) GREY LIGHT FL

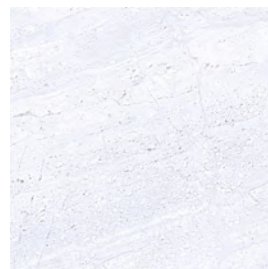


300x300mm
SPF PULPIS EC GREY LT



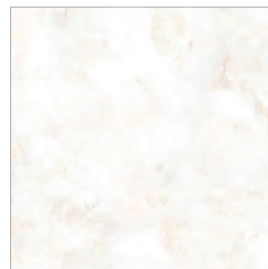
R4
F4

300x300mm
ODM CEMENTUM EC GREY LT FL



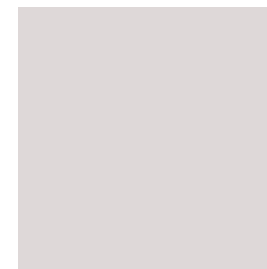
R3
F3

300x300mm
ODM BOHMIA (EC) GRIS LT FL



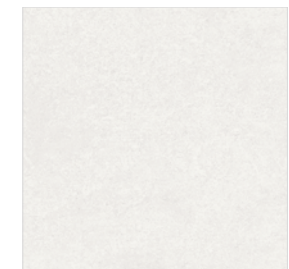
R2
F2

300x300mm
ODM MOCHA (EC) LT FL



G4
R1

300x300mm
PLAIN PLATINUM EC GREY



R4
F4

300x300mm
ODM SAND EC GREY LT FL

NORMAL FLOOR

300X300mm

Matte Finish

Ceramic Tiles

Plant:SKD



300x300mm
ODM CEMENTO EC GREY

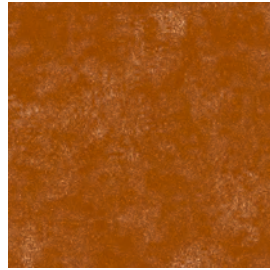


300x300mm
BURJ EC SLATE

G4
R1



300x300mm
ODM CEMENTO EC BEIGE



300x300mm
ODM CEMENTO EC COTTO



300x300mm
OT 5123 (EC)

R1
F1



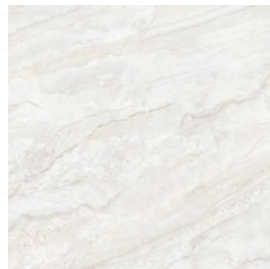
300x300mm
ODM UNISQUARE (EC)
BROWN LT FL

R2
F4

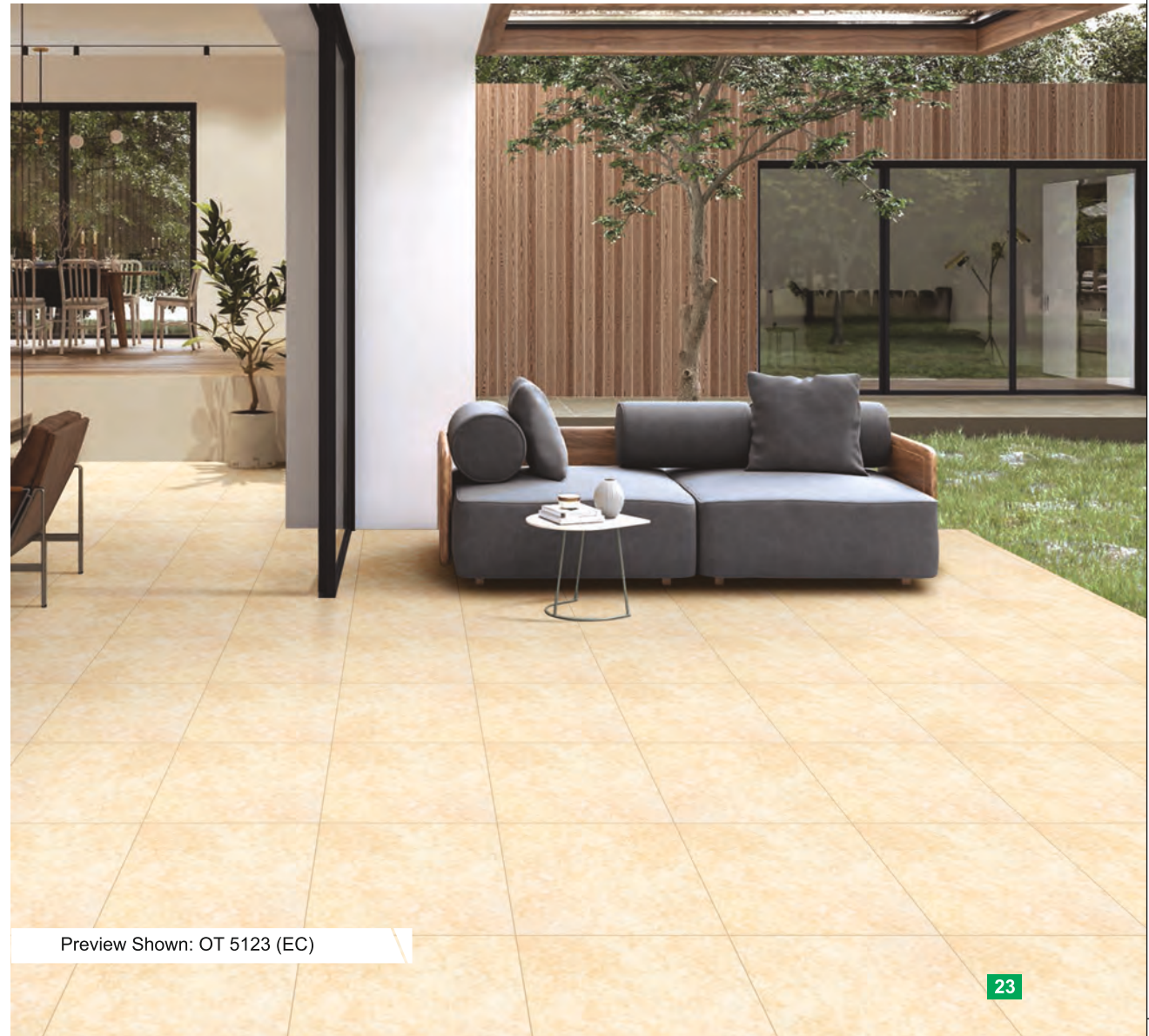


300x300mm
ODM EMILIA (EC) BEIGE FL

R4
F4



300x300mm
SPF DYNA EC GREY LT



Preview Shown: OT 5123 (EC)

NORMAL FLOOR

- 300X300mm
- Matte Finish
- Ceramic Tiles
- Plant:SKD



Preview Shown: ODM REAL TRAVERTIINE EC BEIGE LT FL



300x300mm
ODM CAMIA (EC) CREMA FL



300x300mm
ODM SAND EC CREMA DK FL



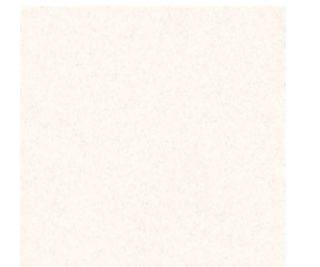
300x300mm
ODM NATA (EC) IVORY



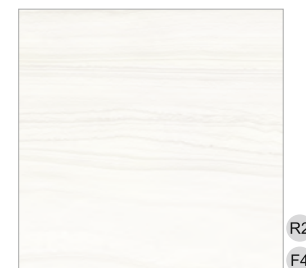
300x300mm
ODM ALBERTA (EC) BROWN FL



300x300mm
ODM VICTORIA (EC) BEIGE FL



300x300mm
SPF SAND EC CREMA



300x300mm
ODM EMBROIDERY (EC)
BEIGE LT FL



300x300mm
ODM REAL TRAVERTIINE EC
BEIGE LT FL

NORMAL FLOOR

300X300mm

Matte Finish

Ceramic Tiles

Plant:SKD



R4
F4

300x300mm
ODM CHARMS (EC) SANDUNE FL



R4
F4

300x300mm
ODM DEBONA EC CREAMA DK FL



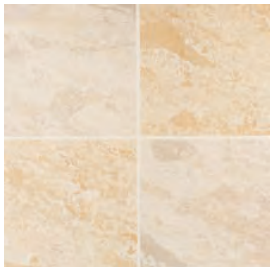
G3
R1

300x300mm
ODM DORMA (EC) BEIGE FL



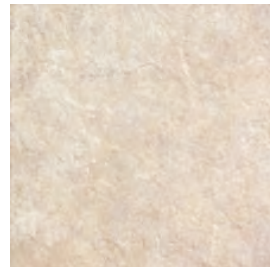
R4
F4

300x300mm
ODM IMPERIAL EC BEIGE FL



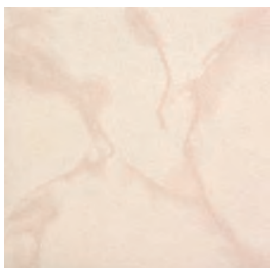
G4
R1

300x300mm
QUATRO EC BEIGE



G4
R1

300x300mm
MAJESTY EC BEIGE



G4
R1

300x300mm
PULSAR EC BEIGE



R4
F4

300x300mm
ODM MARCO (EC) BEIGE LT FL



Preview Shown: ODM DEBONA EC CREAMA DK FL

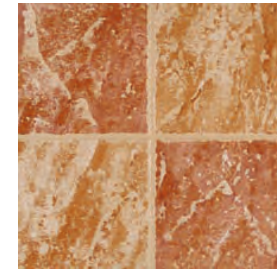
NORMAL FLOOR

- 300X300mm
- Matte Finish
- Ceramic Tiles
- Plant:SKD



300x300mm
ODM BOTTICCHINO (EC) BEIGE FL

R4
F4



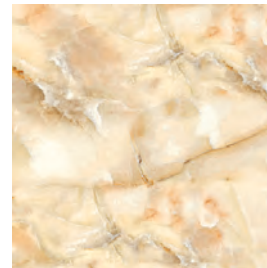
300x300mm
QUATRO (EC) BROWN

G4
R1



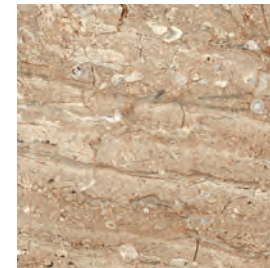
300x300mm
BURJ EC BEIGE BROWN

G4
R1



300x300mm
ODM OMEGA (EC) BEIGE DK FL

R4
F4



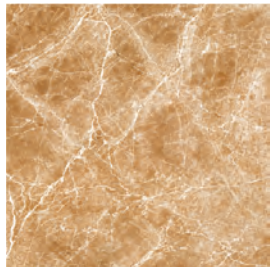
300x300mm
ODM TRAVERTINE (EC) BROWN FL

R4
F4



300x300mm
GALAXY EC BROWN

G5
R1



300x300mm
ODM DAKOTA (EC) BROWN FL

R4
F4



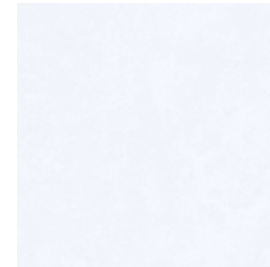
300x300mm
ODM TWEED (EC) BROWN FL

R2
F2



300x300mm
LITHOS EC BROWN

G4
R1

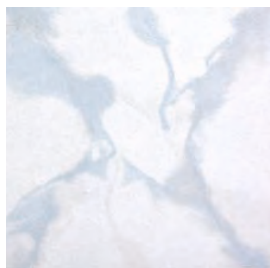


300x300mm
SPF OCEAN EC LT



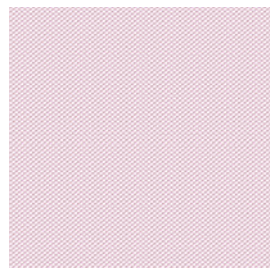
300x300mm
ODM THUNDER (EC) BLUE FL

R4
F4



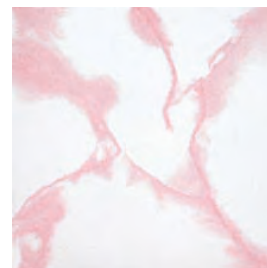
300x300mm
PULSAR EC BLUE

G4
R1



300x300mm
ODM SARTA (EC) PINK FL

R1
F1



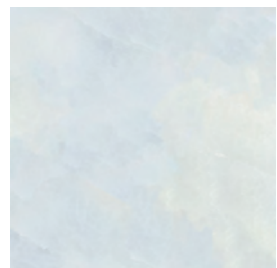
300x300mm
PULSAR EC PINK

G4
R1



300x300mm
GALAXY EC PINK

G5
R1



300x300mm
ODM LENOX (EC) AQUA FL

R2
F2



G3
R1

300x300mm
CLOUDY EC COPPER



G4
R1

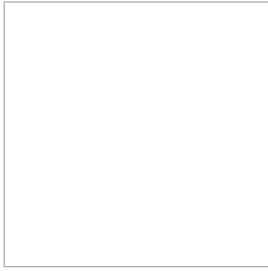
300x300mm
BRINA COPPER EC BROWN



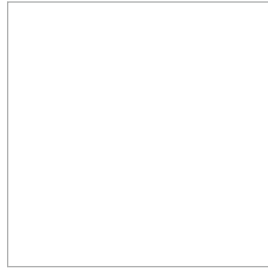
Preview Shown: BRINA COPPER EC BROWN

COOL TILE

- 300X300mm
- Matte Finish
- Cool Tile
- Plant:SKD



300x300mm
ORIENT COOL TILES (EC) BIANCO



300x300mm
OPV ORIENT EC COOL TILES

PRODUCT BENEFITS



Comfortable Interiors

Summer responsive Roof and walls reduce the room temperature



Environment Care

IGBC (Indian Green Building Council) & GRIHA certified hence part of Green Building Movement



Energy Saving

Cooler interiors Roof and walls reduce the room temperature



Additional Advantage

Slip Resistant.
Cooler surface to Walk on.

ORIENTBELL Cool Tiles have an amazing Solar Reflective Index (SRI) value of 98.






They reflect the solar heat back into the environment which helps bring the temperature down, reducing cooling requirement.



TECHNICAL SPECIFICATIONS

Digital Ceramic Floor Tiles

Packing Details					
Size (In mm.)	No. of Tiles Per Carton	Covered Area Per Carton		No. of Box Per Layer	No. of Layer Per Pallet
		(In Sq. Mtr.)	(In Sq. Ft.)		
300X300 mm	10	0.90	9.69	32	3

(3<E<6% Group B IIa) as per IS 15622:2017				
Characteristics	Standard Test Method	IS 15622:2017 3<E≤ 6% (Group B IIa)		OBL Norms
Dimension & Surface Quality	IS 13630 Part 1	Unrectified	Rectified	
Deviation in Length & Width		± 0.4%	± 0.1 %	± 0.1 %
Deviation in Thickness		± 5.0 %		± 4.00 %
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	Average 3 < E ≤ 6 %, Individual 6.2% Max.		3-6% 
Modulus of Rupture in [N/mm ²]	IS 13630 Part 6	Average 22, individual 20, Min.		Min 30 N/mm ² 
Breaking Strength in N	IS 13630 Part 6	600 Min for thickness <7.5mm, 1000 Minimum for Thickness ≥7.5 mm		Min 700 N 
Moisture Expansion in mm/m	IS 13630 Part 3	0.03, Max		Conforms
Scratch hardness (Moh's Scale)	IS 13630 Part 13	4, Min		Min 4
Resistance to surface abrasion of glaze tiles Class I to V (Applicable for floor applications only)	IS 13630 Part 11	Class II, Min		Class II to IV (Depending on surface)
Linear thermal expansion Co-efficient	IS 13630 Part 4	9x10 ⁻⁴ 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		Passed 
Impact Resistance	IS 13630 Part 14	0.55, Min		Min 0.60
Frost Resistance	IS 13630 Part 10	Required if agreed to between manufacturer and purchaser		Passed
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 acid 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.

TECHNICAL SPECIFICATIONS Pavers/Parking Tiles

Packing Details					
Size (In mm.)	No. of Tiles Per Carton	Covered Area Per Carton		No. of Box Per Layer	No. of Layer Per Pallet
		(In Sq. Mtr.)	(In Sq. ft.)		
400X400	5	0.8	8.62	28	2
300x300	10	0.9	9.69	27	3

Characteristics	Testing Methods	Required as per IS 15622:2017 0.08 < E ≤ 3 (Group B Ib)		OBL Norms	
				400x400 mm	300x300 mm
Dimension & Surface Quality					
Deviation in Length & Width	IS 13630 (Part 1)	± 0.4 %	± 0.1 %	± 0.1 % (Max)	± 0.1 %
Deviation in Thickness		± 5.0 %		±3.0% (Max)	±4.0%
Straightness of Sides		± 0.3 %	± 0.1 %	± 0.1 % (Max)	± 0.1 %
Rectangularity		± 0.3 %	± 0.1 %	± 0.1 % (Max)	± 0.1 %
Surface Flatness		± 0.5 %		± 0.2 % (Max)	± 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	Conforms
Physical Properties					
Water Absorption %	IS 13630 (Part 2)	Avg 0.08 < E ≤ 3%, Individual 3.3 % Max		Avg ≤2%	Max 2% 😊
Modulus of Rupture in [N/mm ²]	IS 13630 (Part 6)	Avg 30, Individual 27 Min		Min 38 N/mm ²	Min 36 N/mm ² 😊😊
Breaking Strength in N		700 Min for thickness < 7.5 mm, 1100 Min for thickness ≥ 7.5 mm		Min 2000 N	Min 1600 N 😊😊
Moisture Expansion	IS 13630 (Part 3)	0.02, Max		Conform	Conform
Scratch Hardness (Moh's Scale)	IS 13630 (Part 13)	5, Min		Conform	Min 6 😊
Resistance to Surface Abrasion of Glazed Tiles Class I to V (Applicable for floor applications only)	IS 13630 (Part 11)	Class II, Min		Conform	Class III to V (Depending on surface)
Linear thermal expansion Co-efficient	IS 13630 (Part 4)	7x10 ⁻⁶ ,Max		7x10 ⁻⁶ ,Max	Conform
Thermal Shock Resistance	IS 13630 (Part 5)	10 cycles, Min		Passed	Conform
Impact Resistance	IS 13630 (Part 14)	0.55, Min		0.75	Min 0.60 😊
Bulk density, in g/cc	IS 13630 (Part 2)	2.0, Min		2.2 Min	2.2 Min
Frost Resistance	IS 13630 (Part 10)	Required if agreed to between manufacturer and purchaser		50 Cycles Passed	Passes
Chemical Properties					
Resistance to staining of Glazed Tiles	IS 13630 (Part 8)	Class I, Min		Min Class I	Min Class I
Resistance to Household Chemicals		Class AA, Min		Min Class AA	Min Class AA
Resistance to acids and alkalis (Except HF)		Required, if agreed		Min Class AA	Min Class AA

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DEHRADUN

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

LUCKNOW

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





NEW DELHI

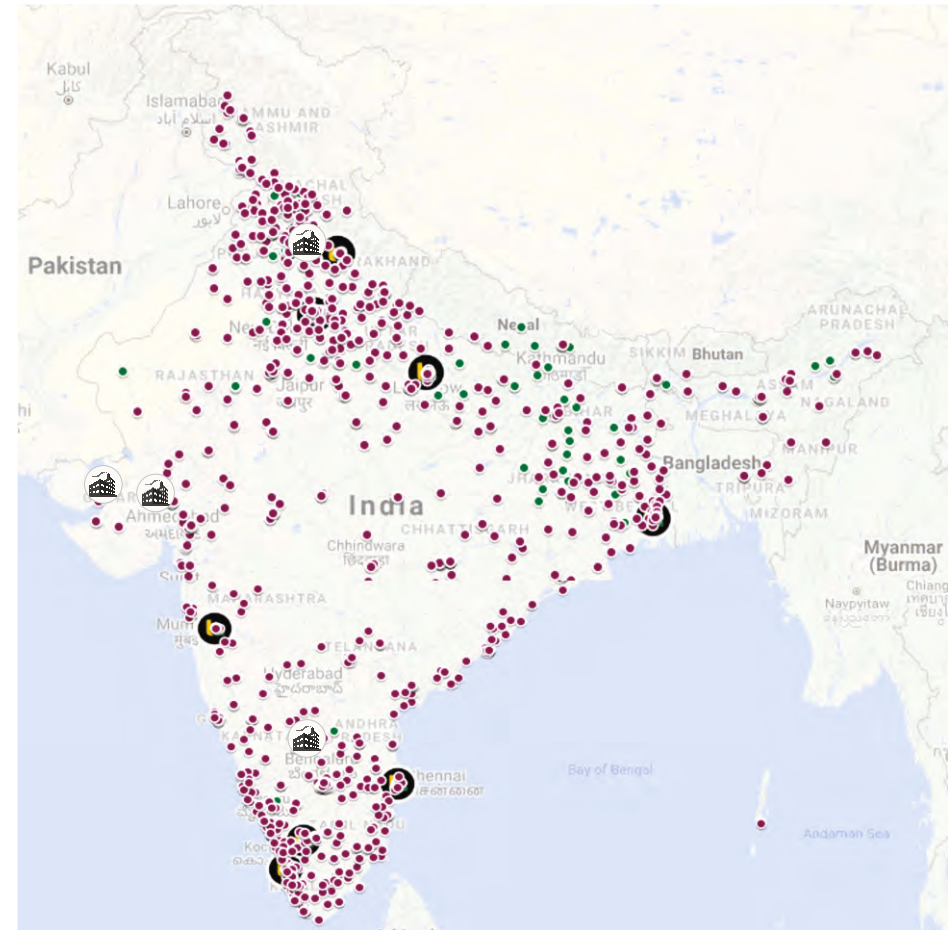
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