

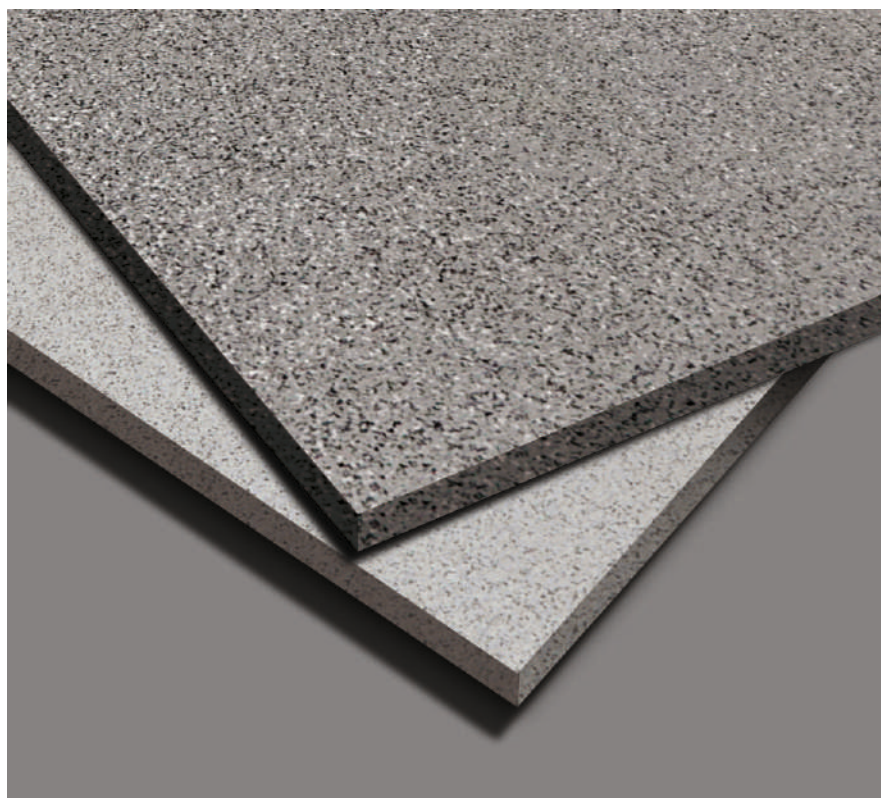
SAHARA SERIES

Made With Diligence

Full Body Vitrified Tiles | 600x600mm

For South & West Zones

The Grains Story



Sahara Series Full Body range is a work of diligence, providing homogeneous body tiles. The aesthetic appeal of the tile remains intact even after prolonged exposure to wear and tear, making it the most preferred durable tile.

All the Six designs – WZ Sahara Ash, WZ Sahara Carbon, WZ Sahara Off White, WZ Sahara Golden, WZ Sahara Grainy Choco & WZ Sahara Dove Grey are made by mixing natural clay, feldspar, quartz and natural pigments. Our R & D experts use special pigment grains for even dispersion, ensuring minimal color variation across batches.

All the touch points like silos, lifting machines, conveyor belts where the mixture passes through are treated with utmost care to nullify impurities. As a precautionary measure, even the conveyor belt is covered to avoid dust.

And while the team ensures the consistency between the batches, the quality team works vigilantly to ensure that every batch meets the highest MOR standards.

The process of diligence thus makes the full body replete with functional USP(s) of higher durability and high breaking strength.



WZ SAHARA OFF WHITE



WZ SAHARA GOLDEN



WZ SAHARA GRAINY CHOCO



WZ SAHARA DOVE GREY



WZ SAHARA ASH



WZ SAHARA CARBON



Adorn your Spaces with
Strength & Elegance

Product Features



HIGH STRENGTH



SCRATCH RESISTANT



ANTI-SKID



CHEMICAL RESISTANT



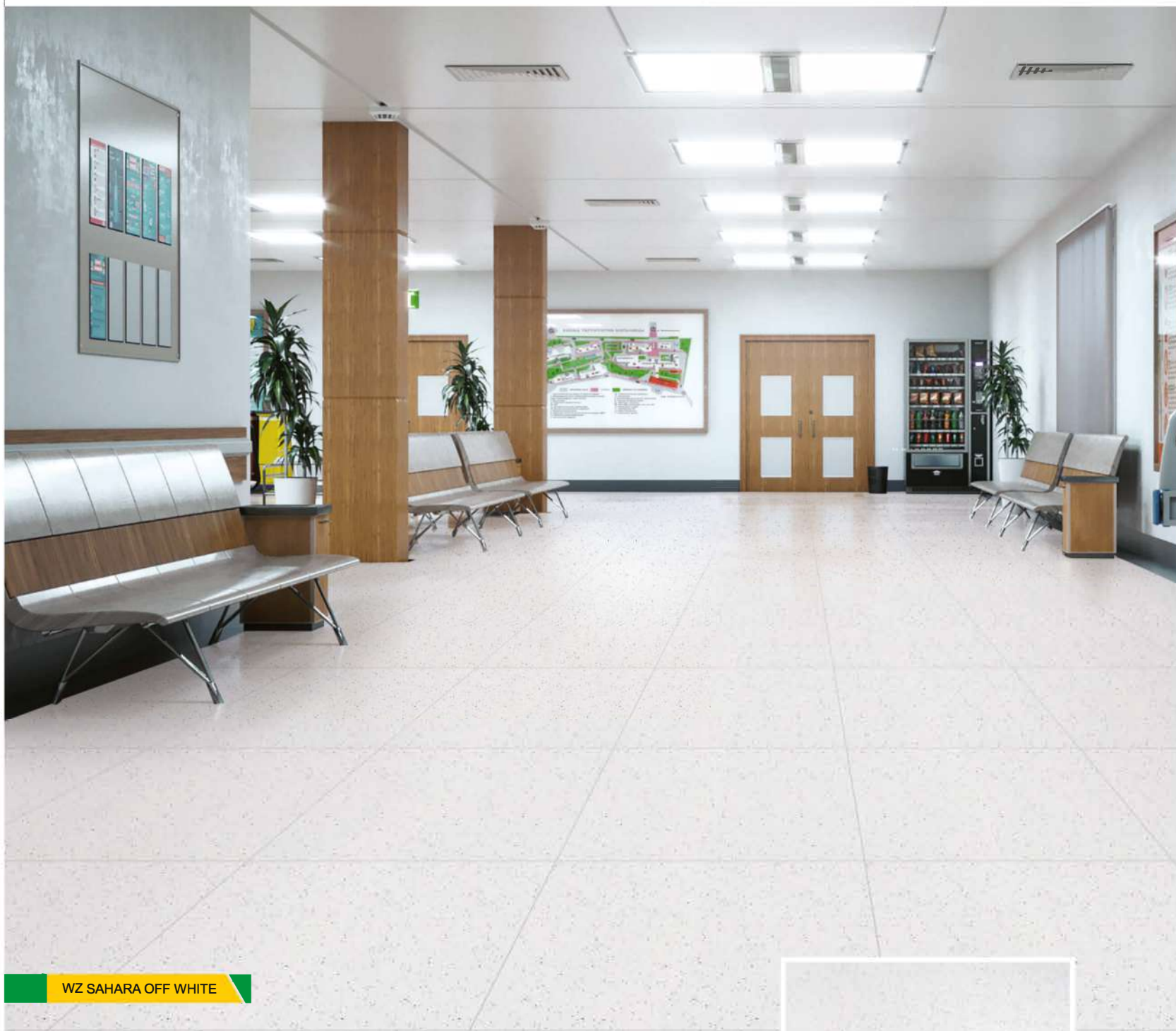
LOW MAINTENANCE



ECO FRIENDLY

SAHARA SERIES

Made With Diligence



WZ SAHARA OFF WHITE



600x600mm
WZ SAHARA OFF WHITE



WZ SAHARA GOLDEN & WZ SAHARA CARBON



600x600mm
WZ SAHARA GOLDEN

SAHARA SERIES

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WZ SAHARA GRAINY CHOCO



600x600mm
WZ SAHARA GRAINY CHOCO



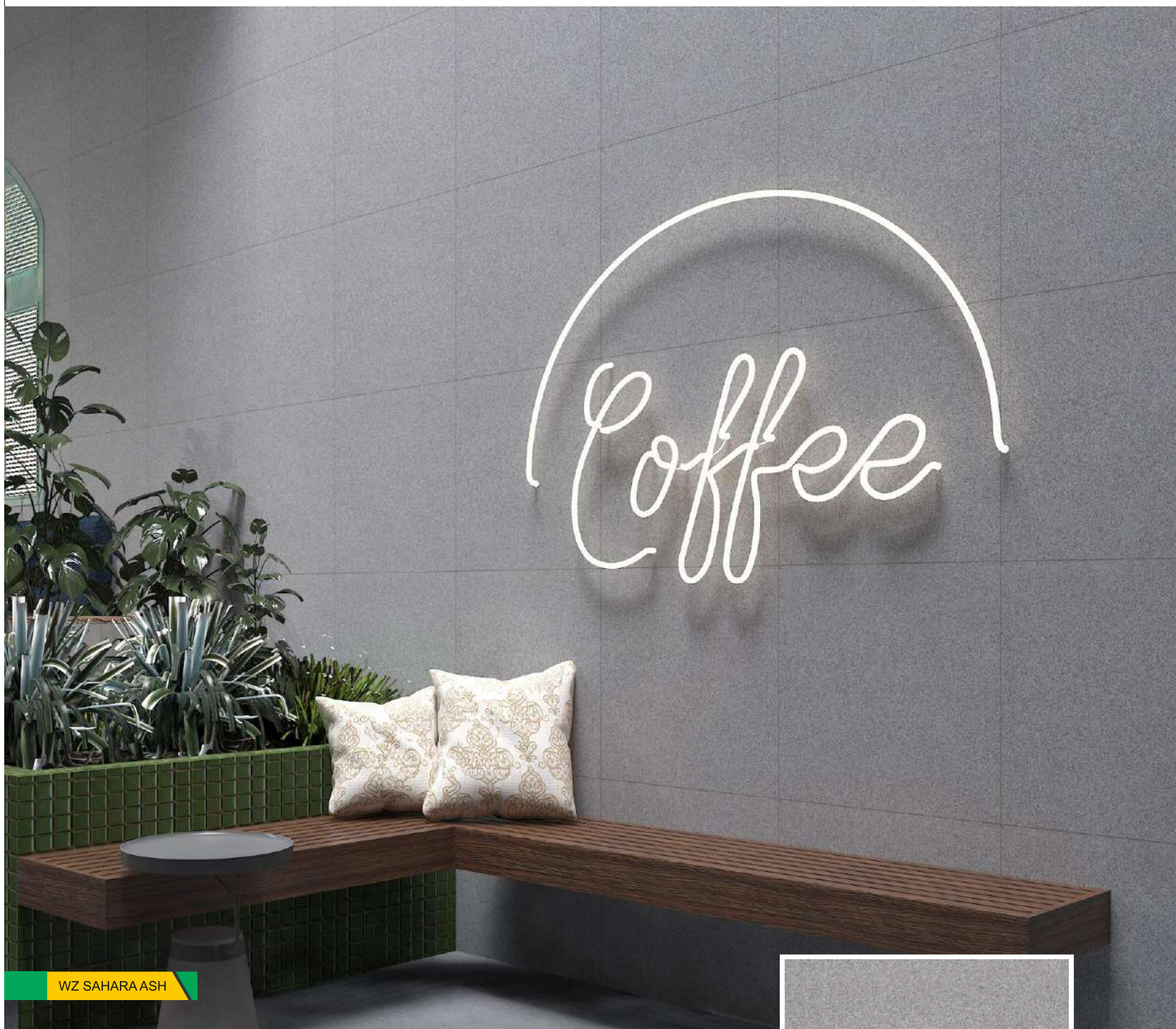
WZ SAHARA DOVE GREY



600x600mm
WZ SAHARA DOVE GREY

SAHARA SERIES

Made With Diligence



WZ SAHARA ASH



600x600mm
WZ SAHARA ASH



WZ SAHARA CARBON

600x600mm
WZ SAHARA CARBON

MIX & MATCH



WZ SAHARA CARBON & WZ SAHARA DOVE GREY

MIX & MATCH



WZ SAHARA GRAINY CHOCO & WZ SAHARA OFF WHITE

FULL BODY VITRIFIED TILES ADVANTAGES OVER KOTA STONE



Wear and Tear

Full body vitrified tiles are made by verification process and have a homogenous body. They can withstand heavy footfall since the MOH is 5 on scratch hardness test. The strength to resist weight does not hamper the aesthetic appeal of the tiles. While the continuous usage of Kota stone might result in flaking.



Color Variation

Full body tile shade has a slight variation (5-10%). But the quality & shade is unpredictable for Kota Stone being a natural product.



Stain Resistance

Full Body Tiles can resist stains due to an invisible glaze layer unlike in natural stone. Kota stone is porous, and hence susceptible to staining from spills & drops



Chemical Resistance

Kota stone is not acid and alkali resistant and can be stained easily, whereas full body tiles are chemical restraint and this has been tested & certified in internal & external labs.



Water Absorbtion

Full body tiles have almost negligible water absorption (less than 0.08%), whereas Kota stone has slightly higher water absorption, approx. 0.31% (Source : Scribd). Hence, Full Body Tiles are most suitable for spaces with exposure to water and moisture.



Slip Resistance

Full body tiles are matte finish & to keep the friction high even when the surface is wet. On the other hand, Kota stone have the tendency of being slippery.



Installation Process

Full body vitrified Tiles are easy to install once the surface is prepared, while for Kota stone you need to polish it several times after installation leading to a noisy and cumbersome process. In addition, Kota stone may require polishing later to maintain its sheen.



Building Weight

Each tile of the Sahara series (of 600x600mm size) weighs approximately 7kg +/- 0.3kg,. A Kota stone of similar size with 15mm thickness weighs around 20kg which eventually adds to the weight of the entire structure (building). Comparatively the lighter weight of Sahara full body vitrified tiles makes them the ideal choice.

TECHNICAL SPECIFICATIONS

Packing Details

Size	No. of Tiles Per Carton	Covered Area Per Carton	
(In mm.)		(In Sq. Mtr.)	(In Sq. Ft.)
600X600 mm (WZ)	4	1.44	15.50

As per Indian Standard (IS 15622:2017) Group B Ia

Characteristics	Standard Test Method	IS 15622 Requirements	OBL Norms
Dimensions and Surface Quality:			
Deviation in Size (length & Width)	IS 13630 Part 1	± 0.1 %	± 0.1 % (Max)
Deviation in thickness	IS 13630 Part 1	± 5.0 %	± 4.0 % (Max)
Straightness of sides	IS 13630 Part 1	± 0.1 %	± 0.1 % (Max)
Rectangularity	IS 13630 Part 1	± 0.1 %	± 0.1 % (Max)
Surface Flatness (Centre curvature, Edge Curvature & warpage)	IS 13630 Part 1	± 0.5 %	± 0.2 % (Max)
Surface Quality	IS 13630 Part 1	Min 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of the tile	Conform
Physical Properties:			
Water absorption %	IS 13630 Part 2	Average ≤0.08%, individual 0.10% Max.	Average ≤0.08%
Modulus of rupture N/mm ²	IS 13630 Part 6	Average 35, individual 32 Min.	Min 40 N/mm ²
Breaking Strength N	IS 13630 Part 6	700 Min for thickness <7.5mm, 1300 Minimum for Thickness ≥7.5 mm	Min 1700 N
Moisture Expansion	IS 13630 Part 3	0.02 Max	Conform
Scratch hardness (Moh's Scale)	IS 13630 Part 13	5 Min	6 Min
Linear thermal expansion Co-efficient	IS 13630 Part 4	6x10-6 max	6x10-6 max
Thermal Shock Resistance	IS 13630 Part 5	10 Cycle Min	Passed
Impact Resistance	IS 13630 Part 14	0.55 , Min	0.75 to 0.80
Co-efficient of Friction	ISO 10545 part-17	Manufacturer to declare the value & test method	0.45 in Dry Condition (Pendulum Method)
Frost Resistance	IS 13630 Part 10	Required if agreed to between manufacturer and purchaser	50 cycle passed
Resistance to deep abrasion of unglazed tiles	IS 13630 Part 12	140, Max	100 Max
Bulk density g/cc	IS 13630 Part 2	2.2 , Min	2.2 , Min
Chemical Properties:			
Stain resistant Unglazed tiles	IS 13630 Part 8	Class 1 Min	Conform
Resistance to Household chemicals, Resistance to acids & alkalis (Except HF)	IS:13630 Part 8	Class AA	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.





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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