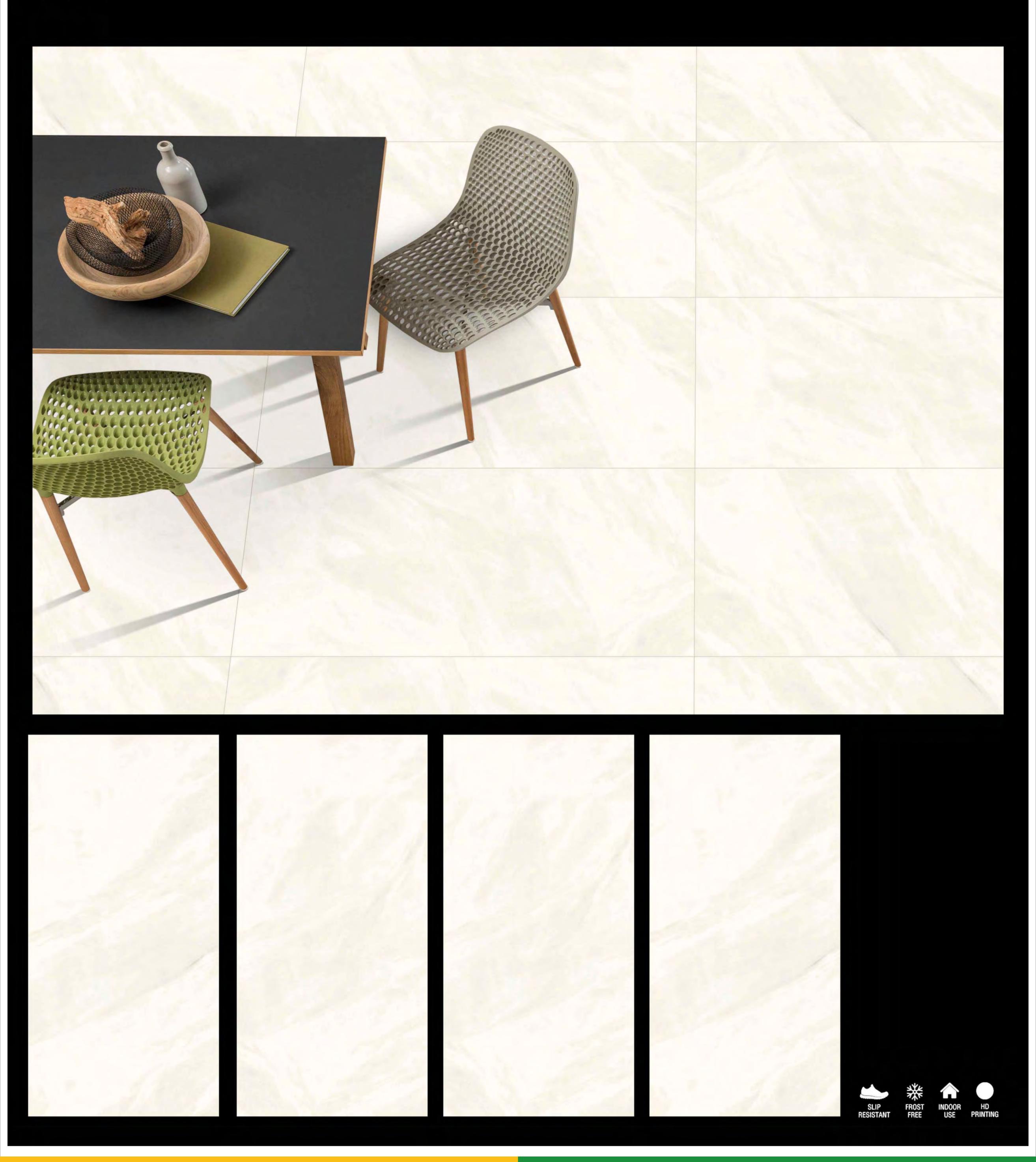
orientbell tiles

Glazed Vitrified Tiles

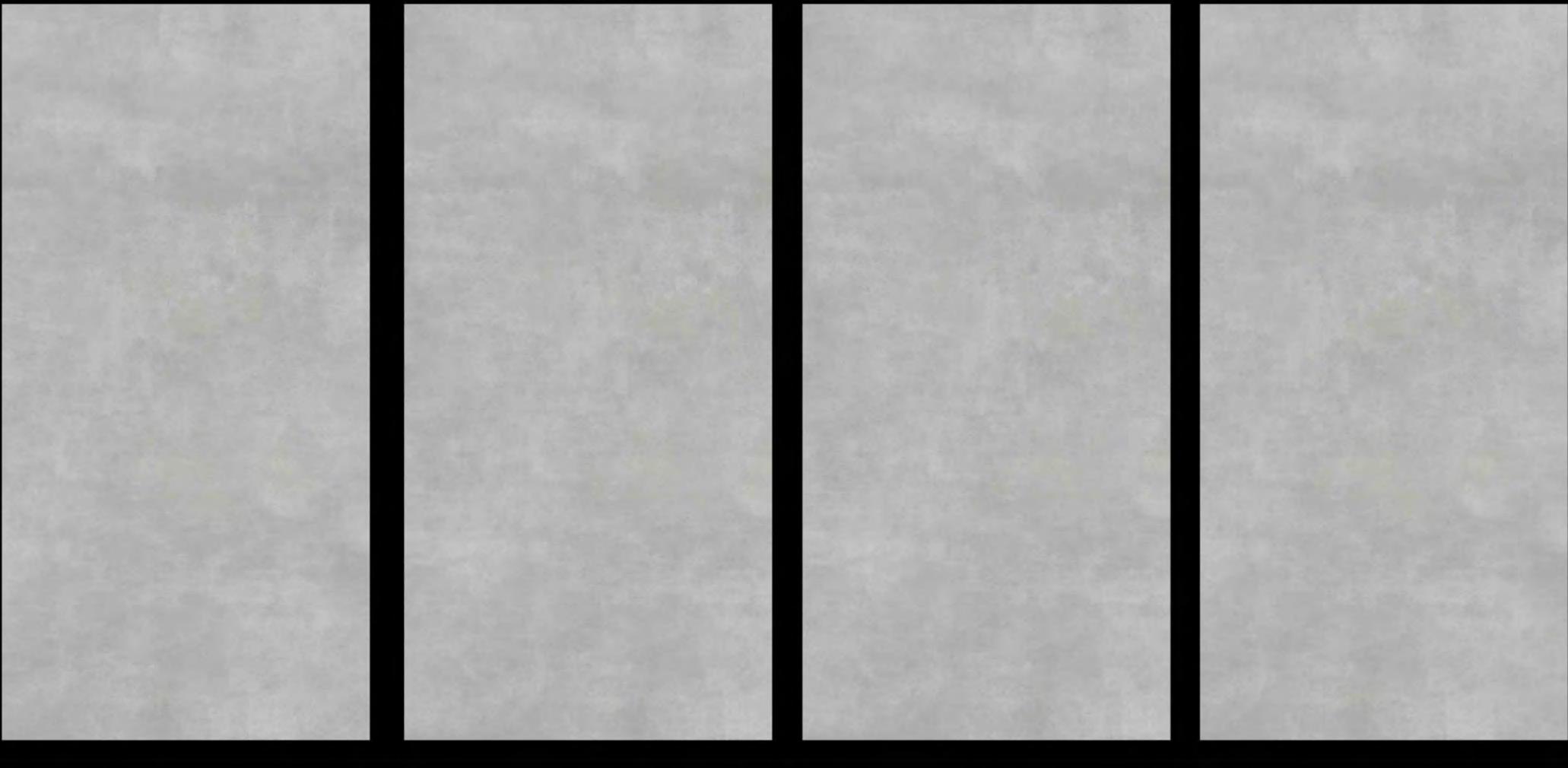
600x1200 mm | Matte Finish

orientbell tiles



orientbell tiles







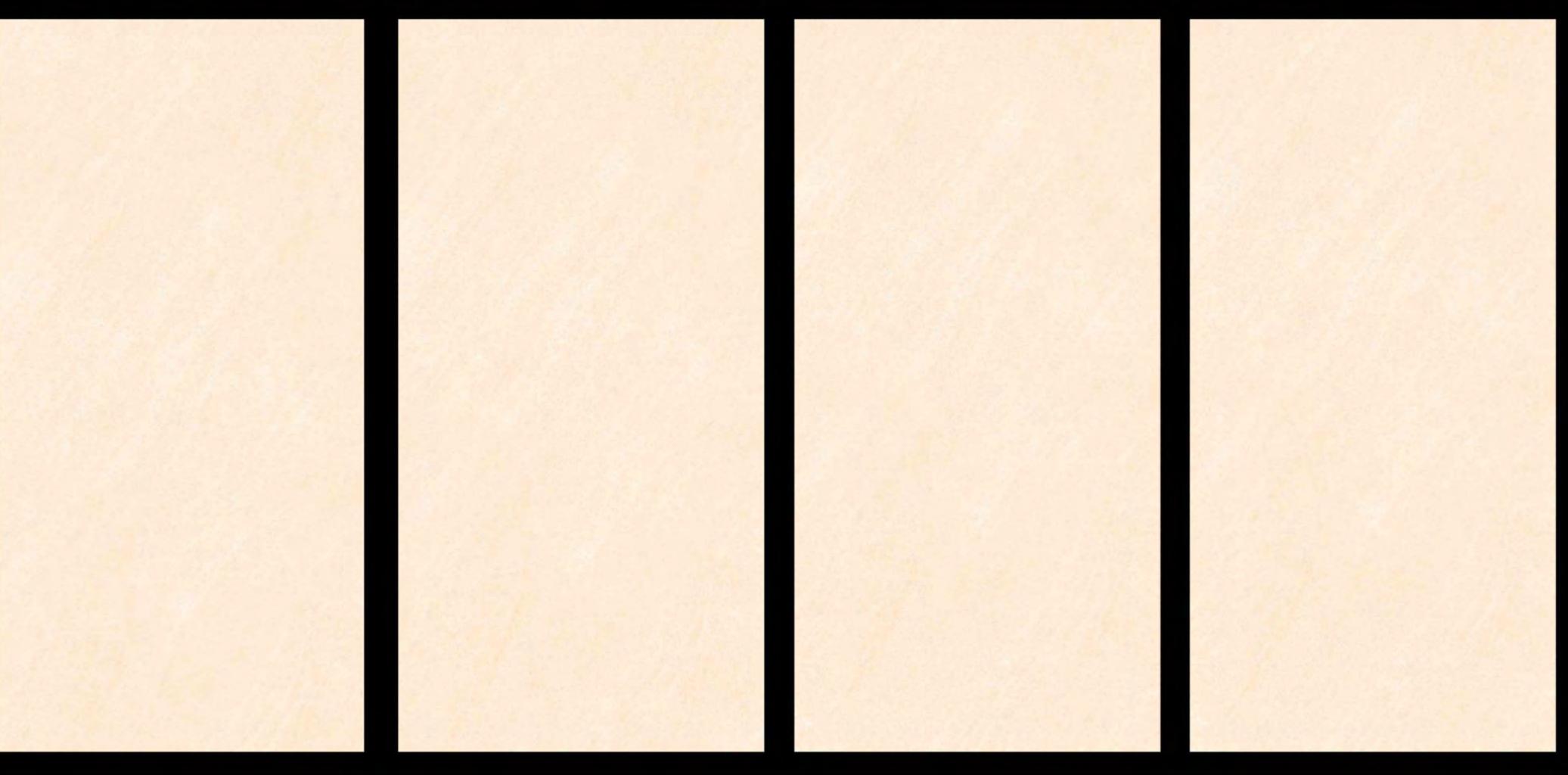












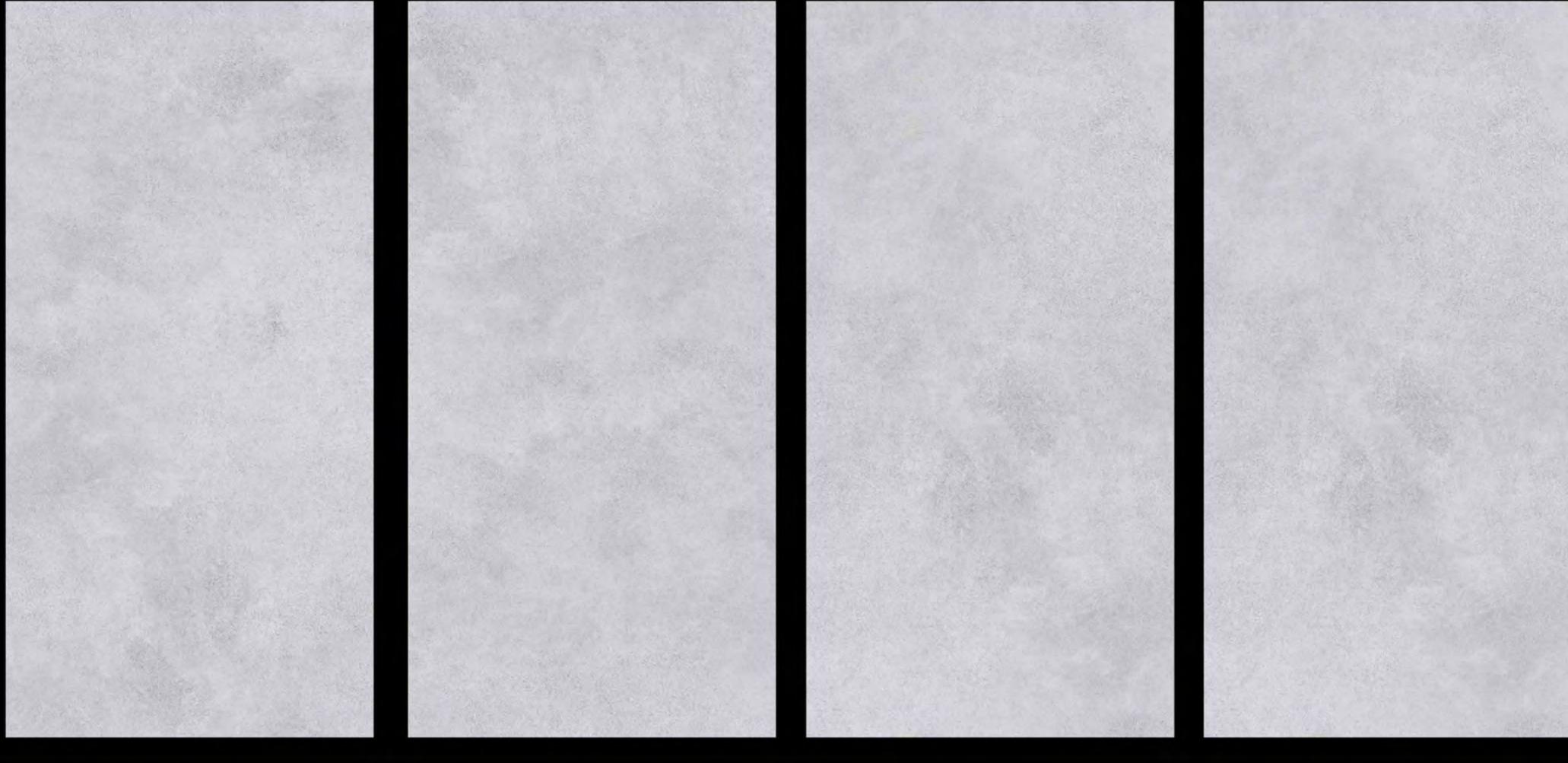






orientbell tiles





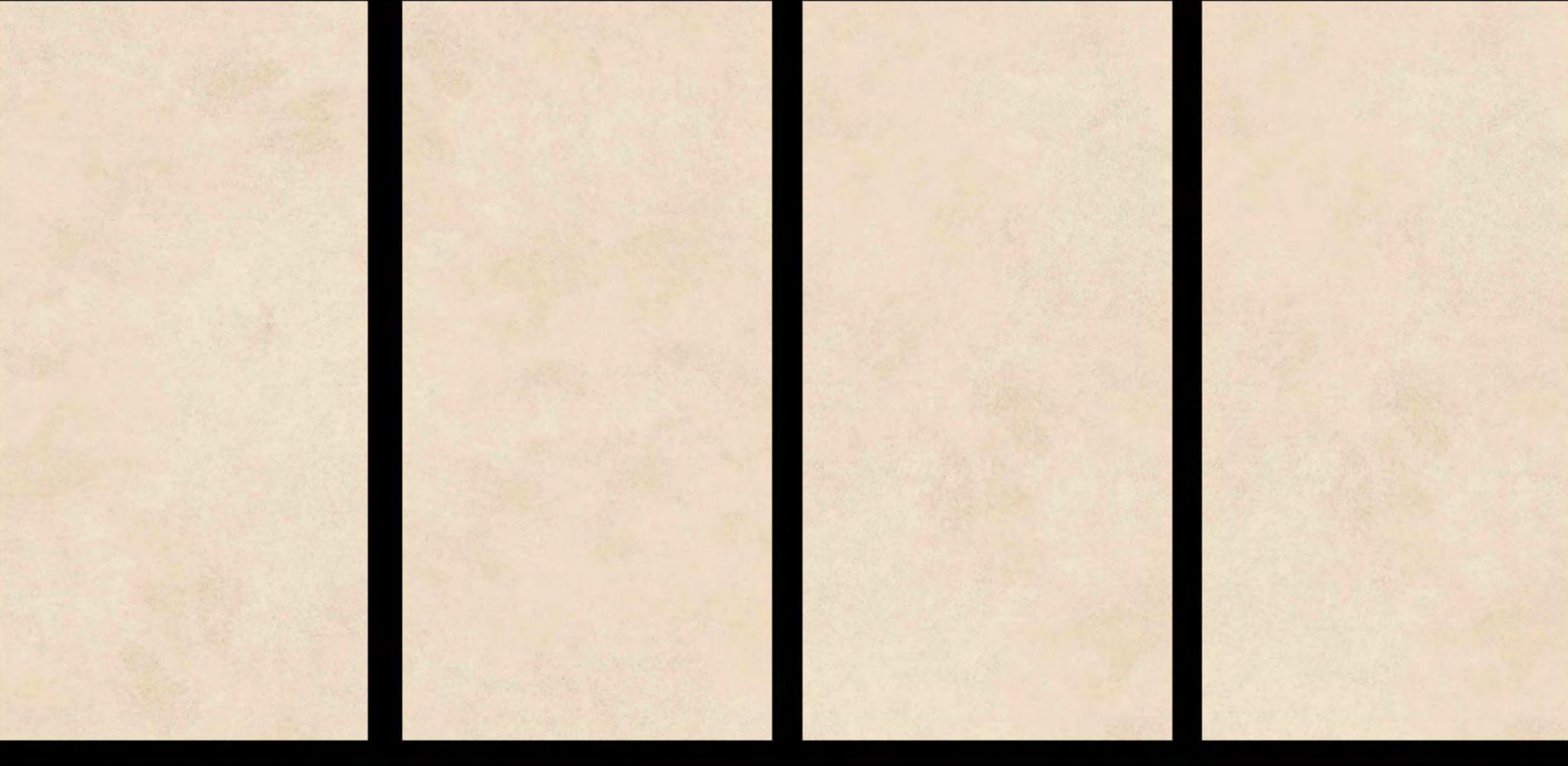






orientbell tiles



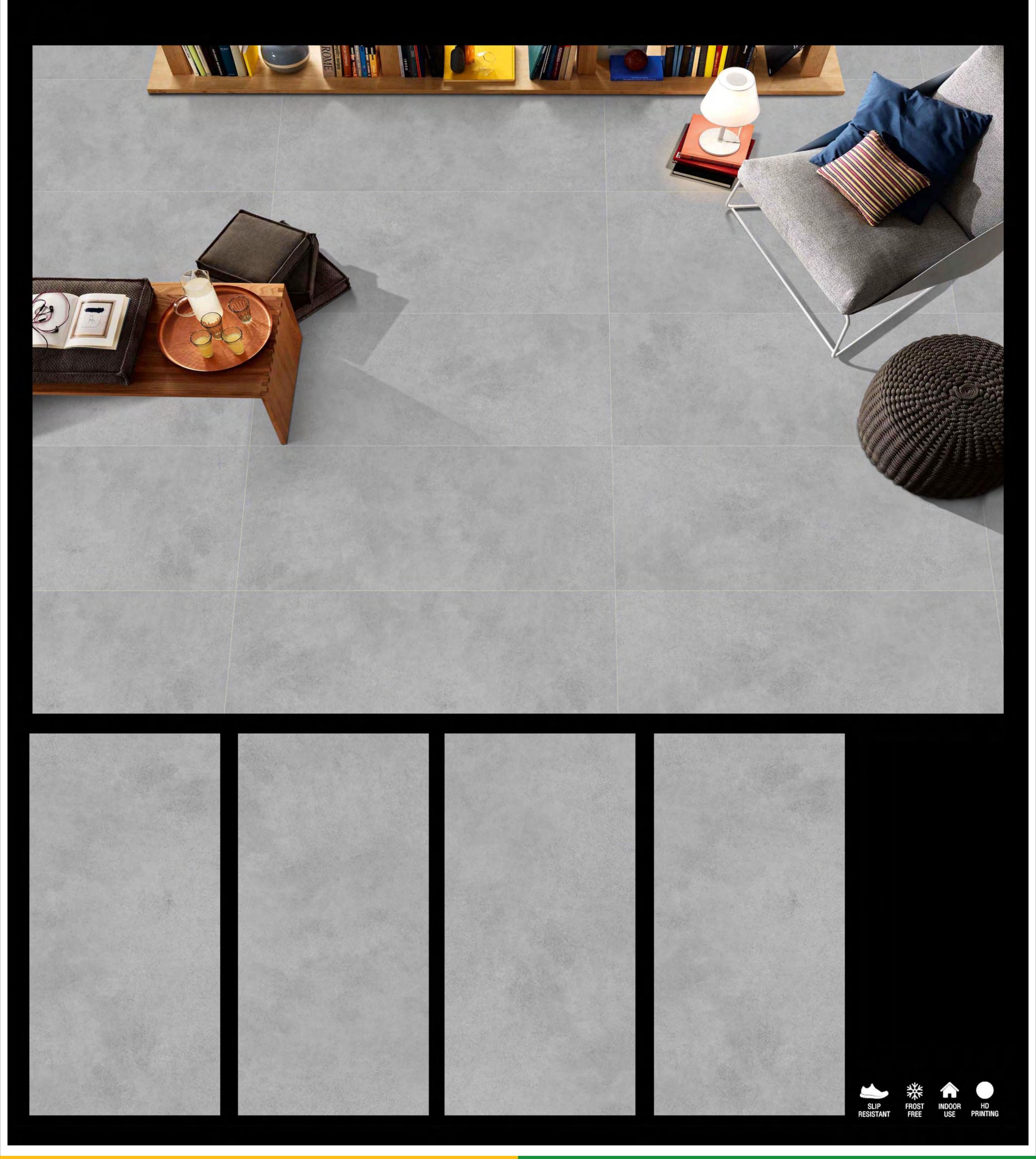






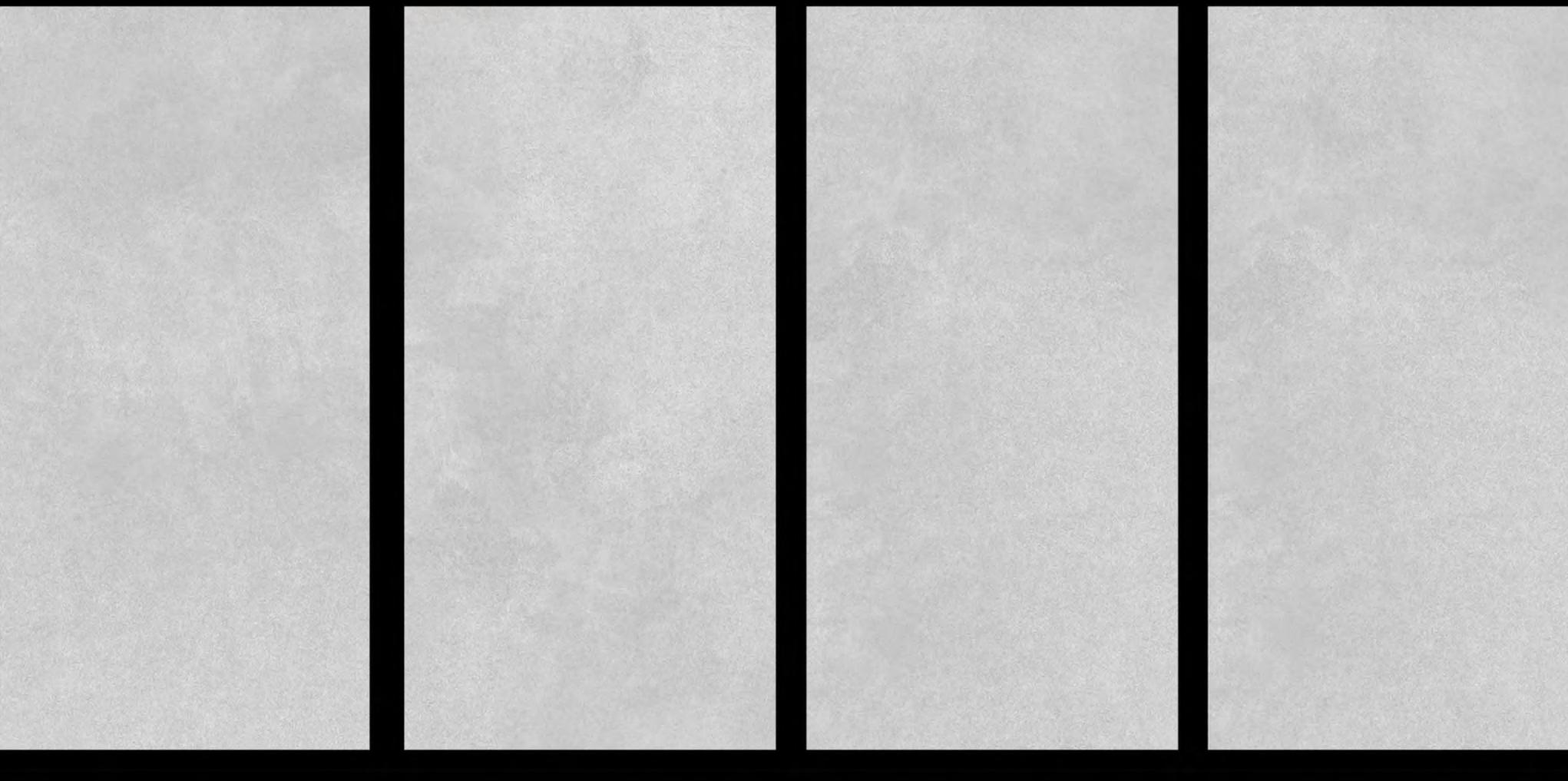






orientbell tiles







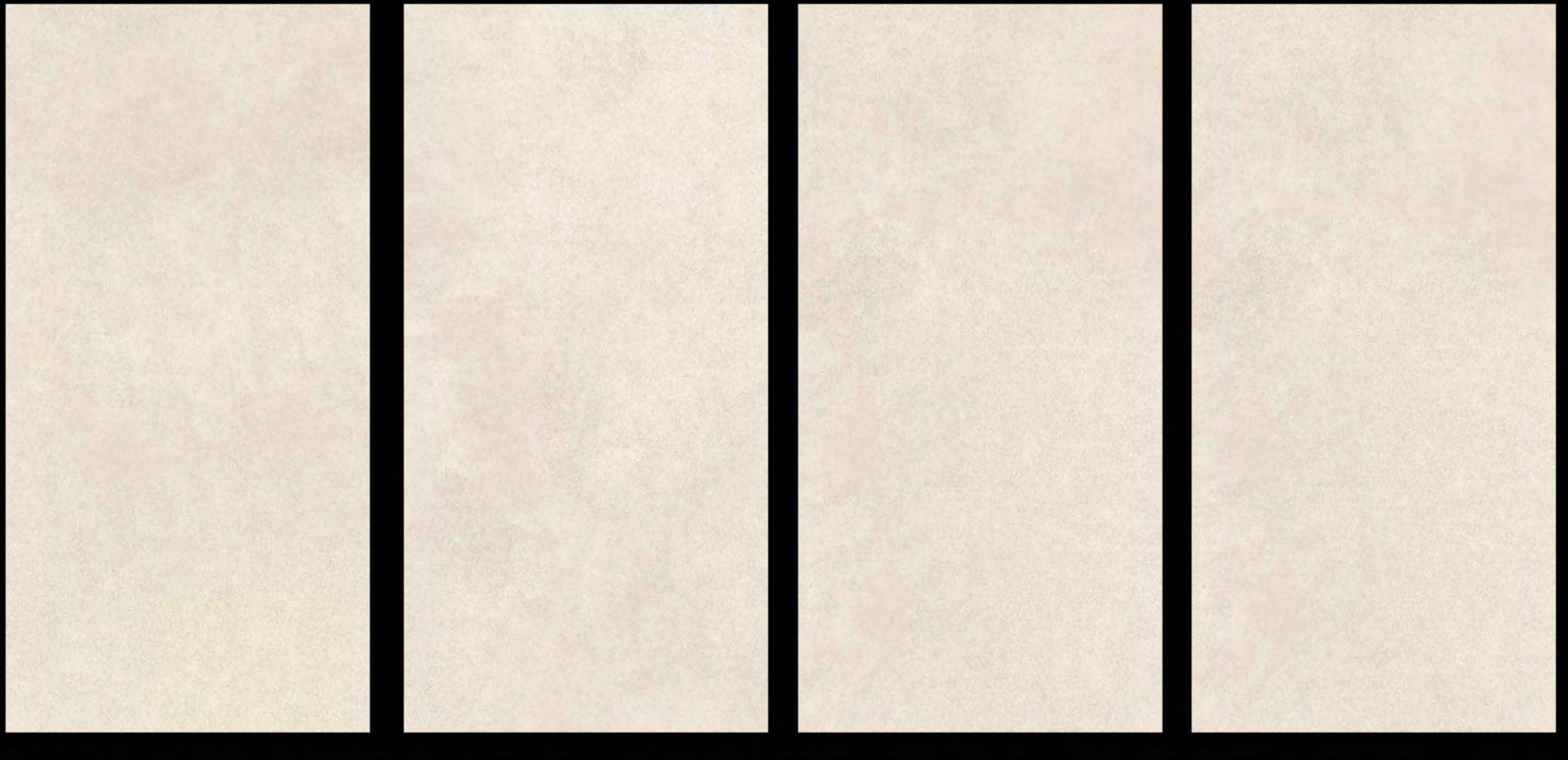






orientbell tiles





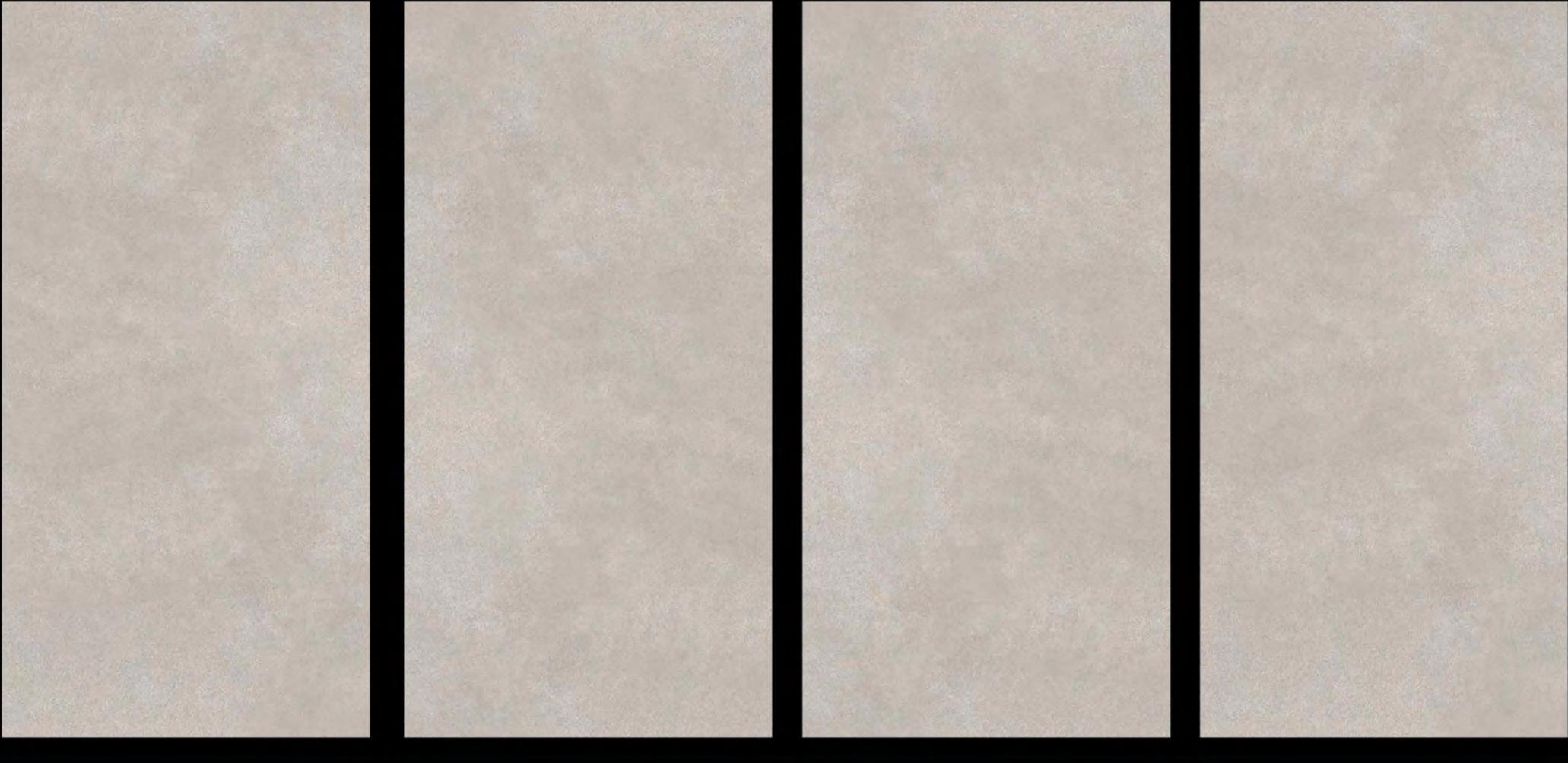












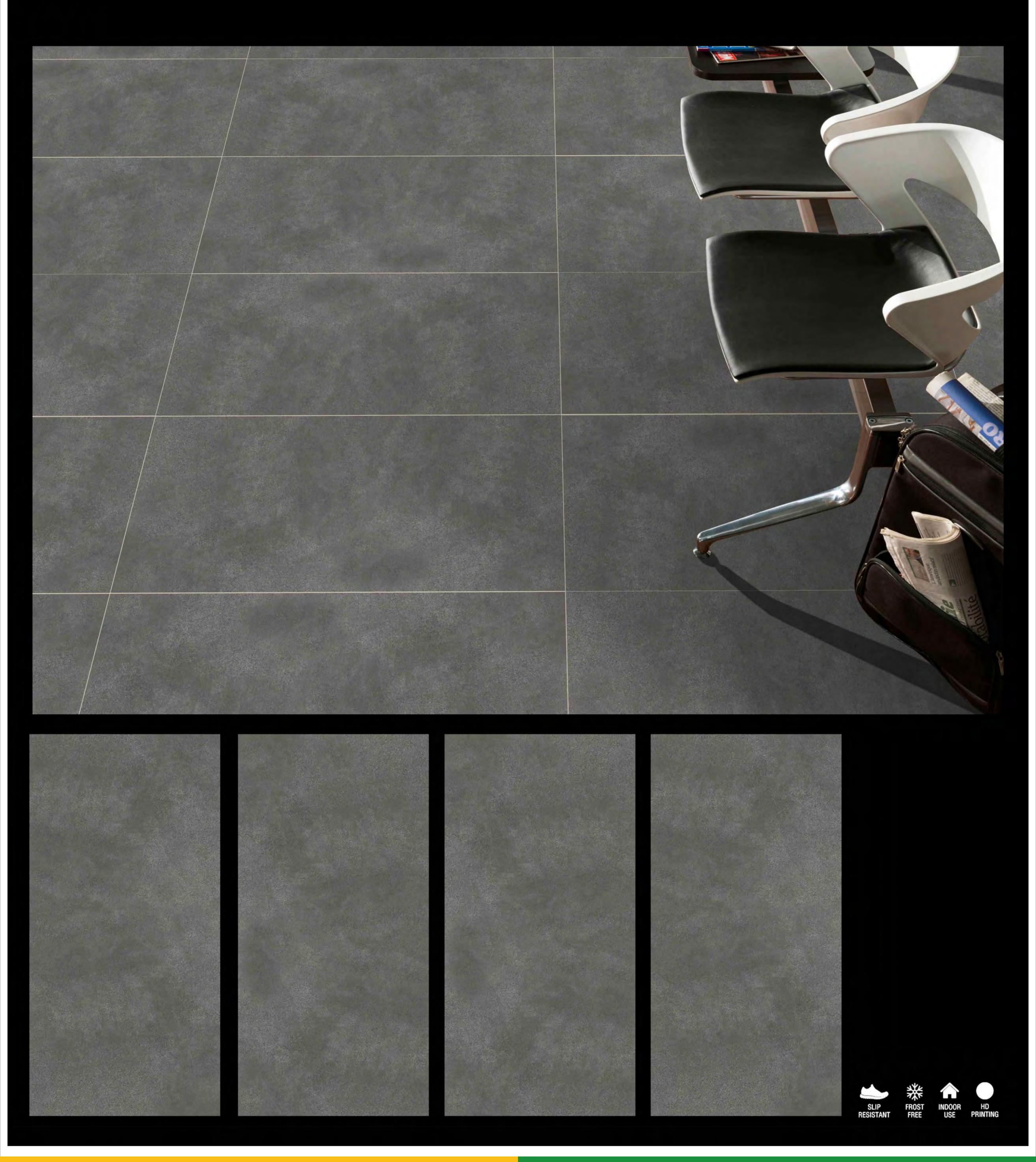






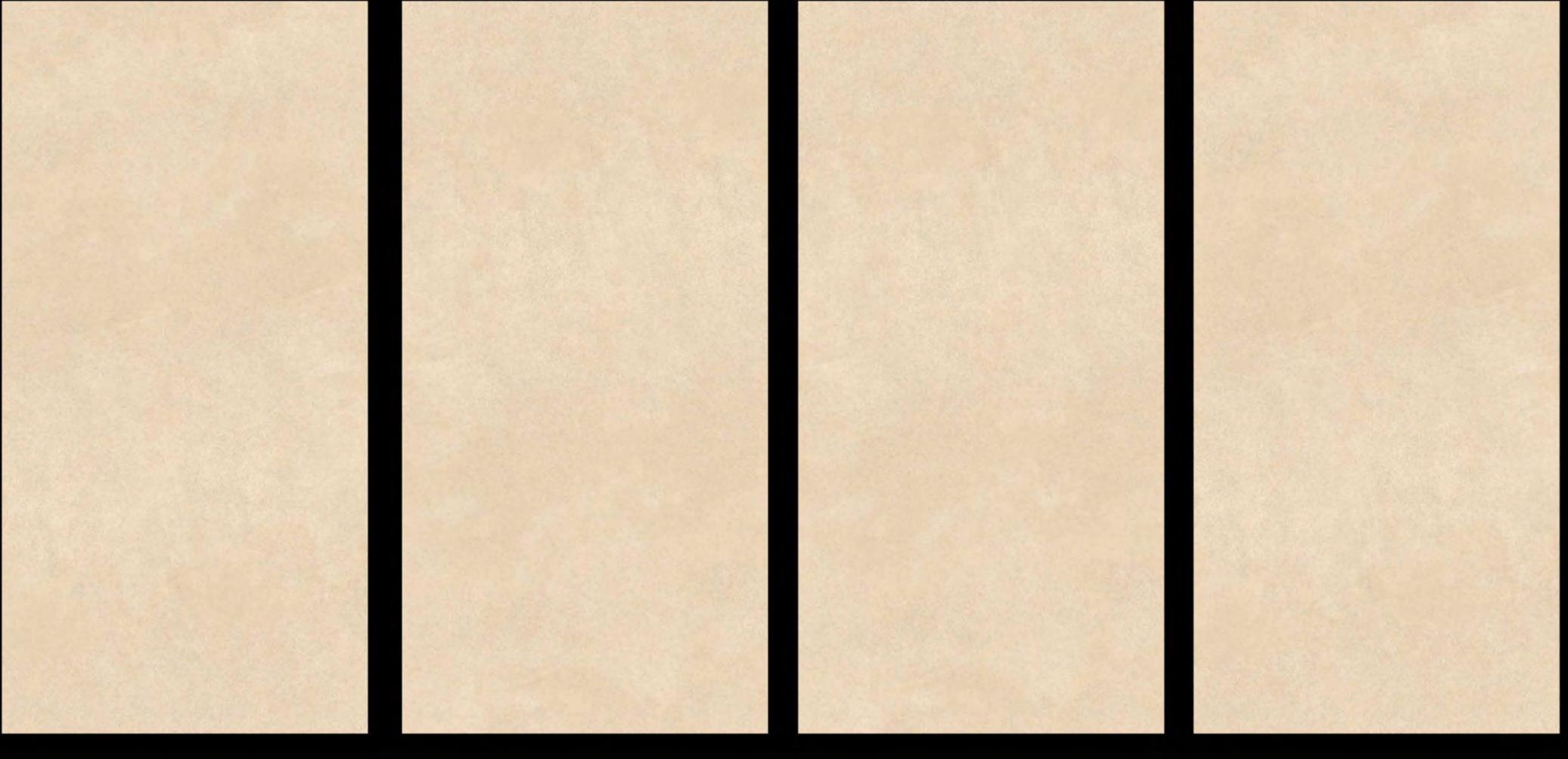






orientbell tiles







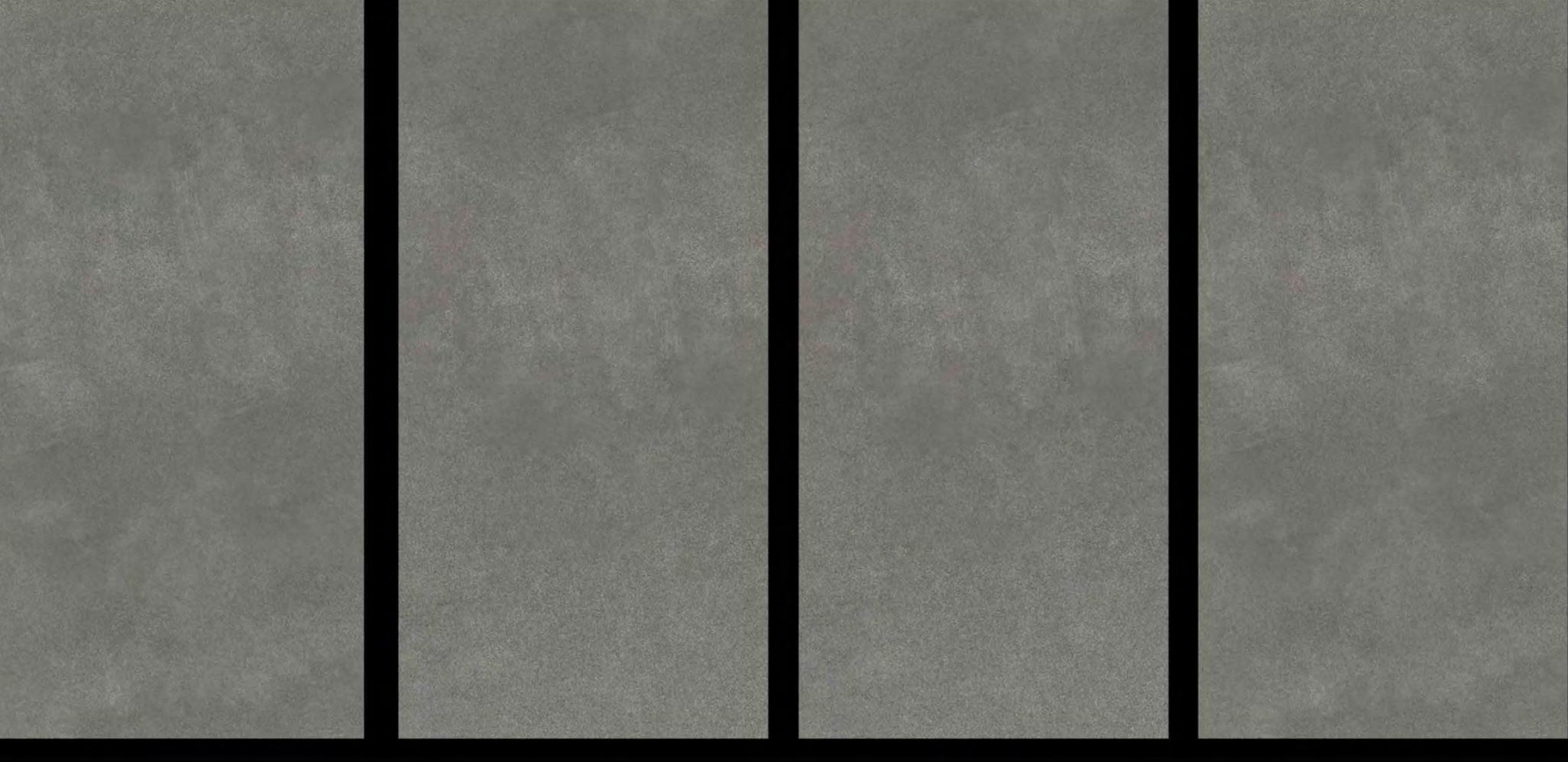














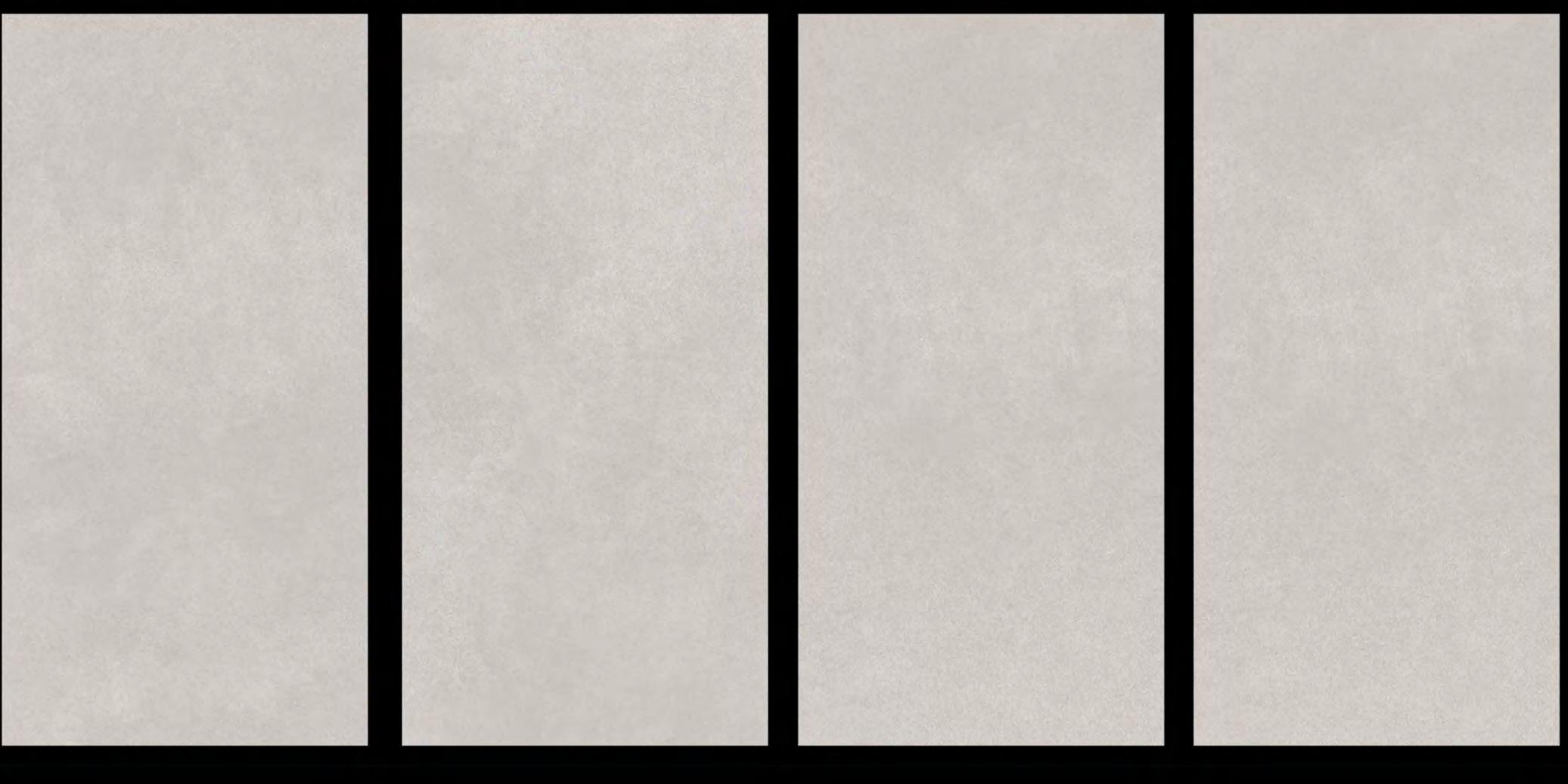






orientbell tiles























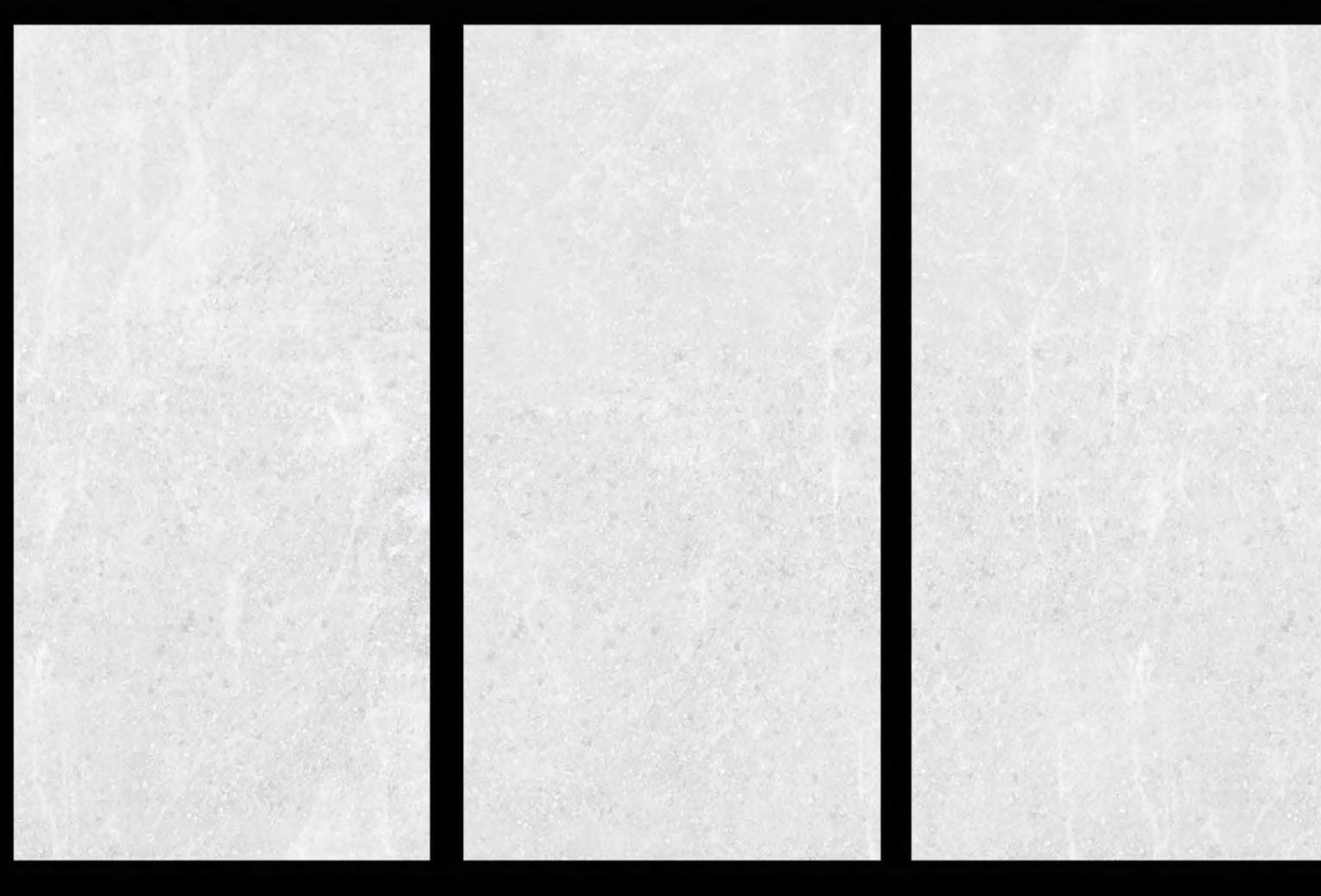
























































orientbell tiles



































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Glazed Vitrified Tiles MATTE FINISH

orientbell tiles











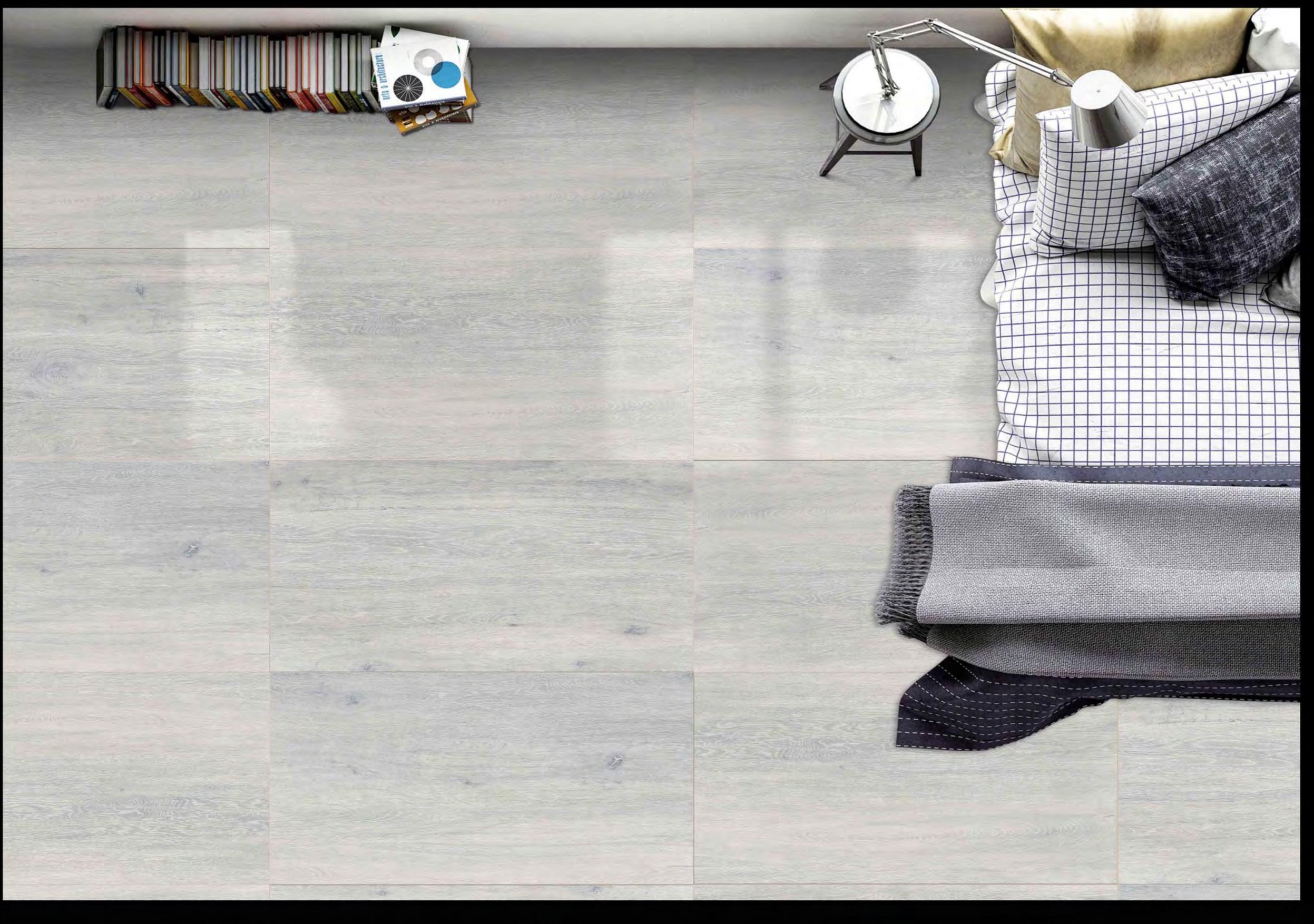




























orientbell tiles













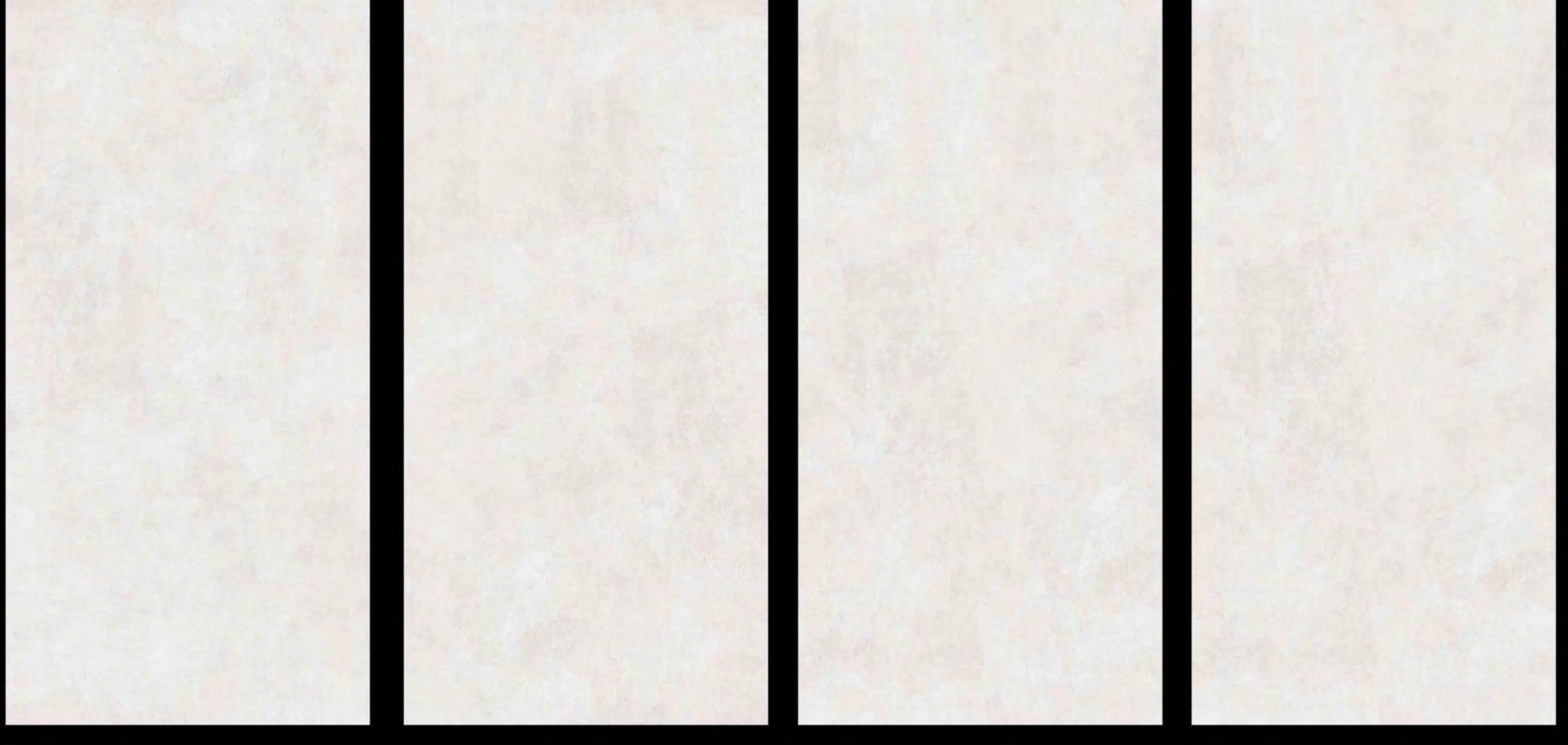






orientbell tiles





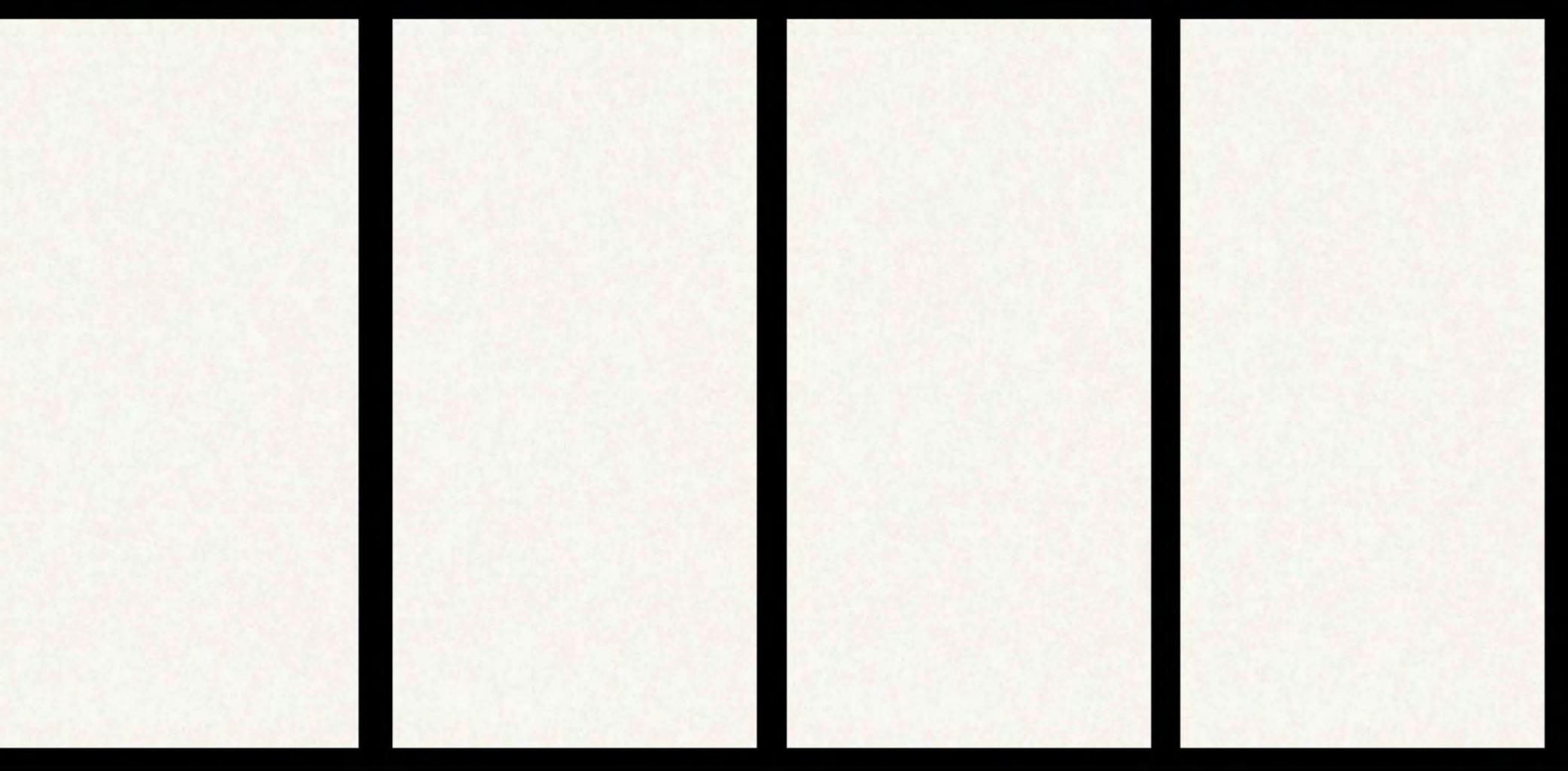














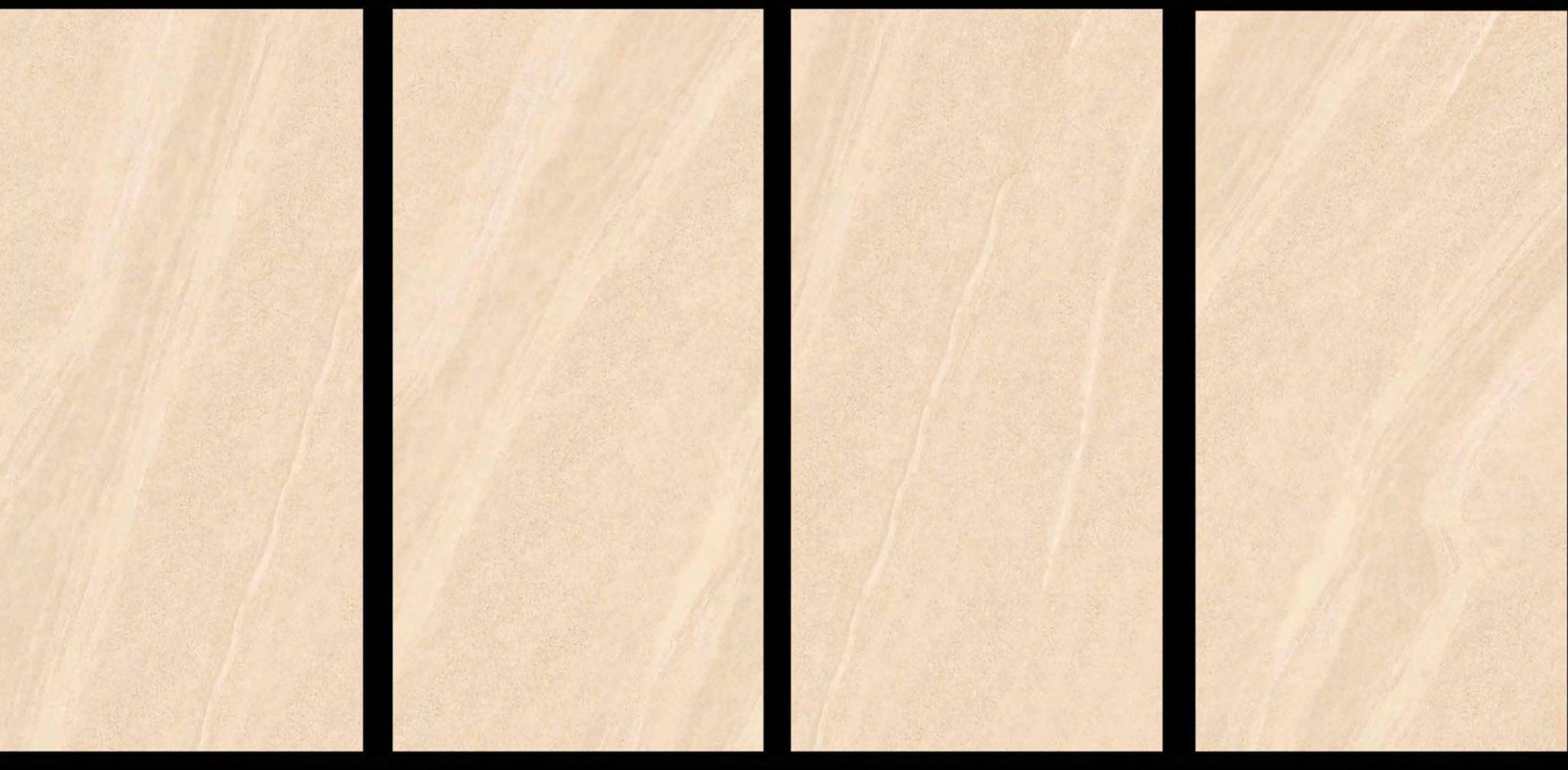


















orientbell tiles







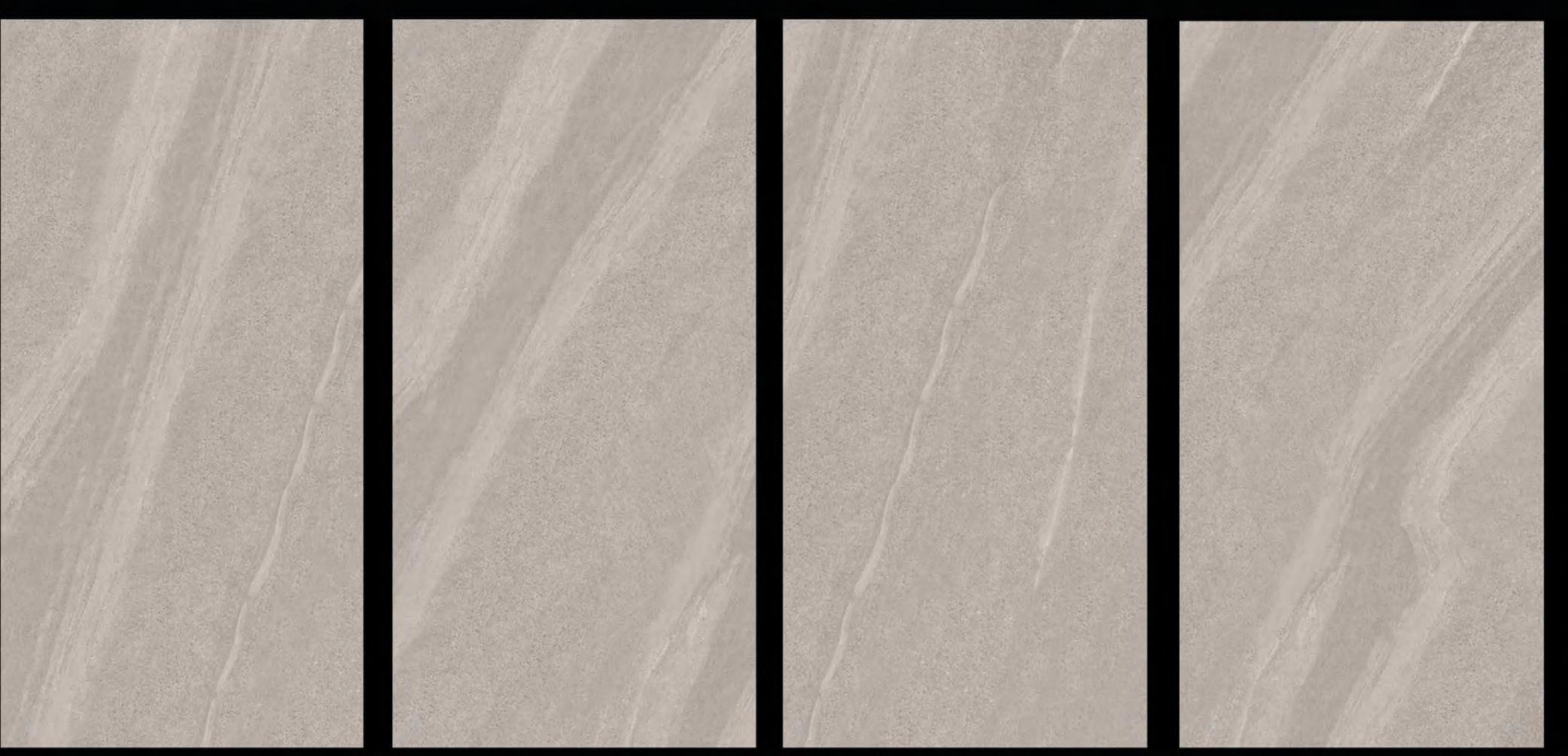












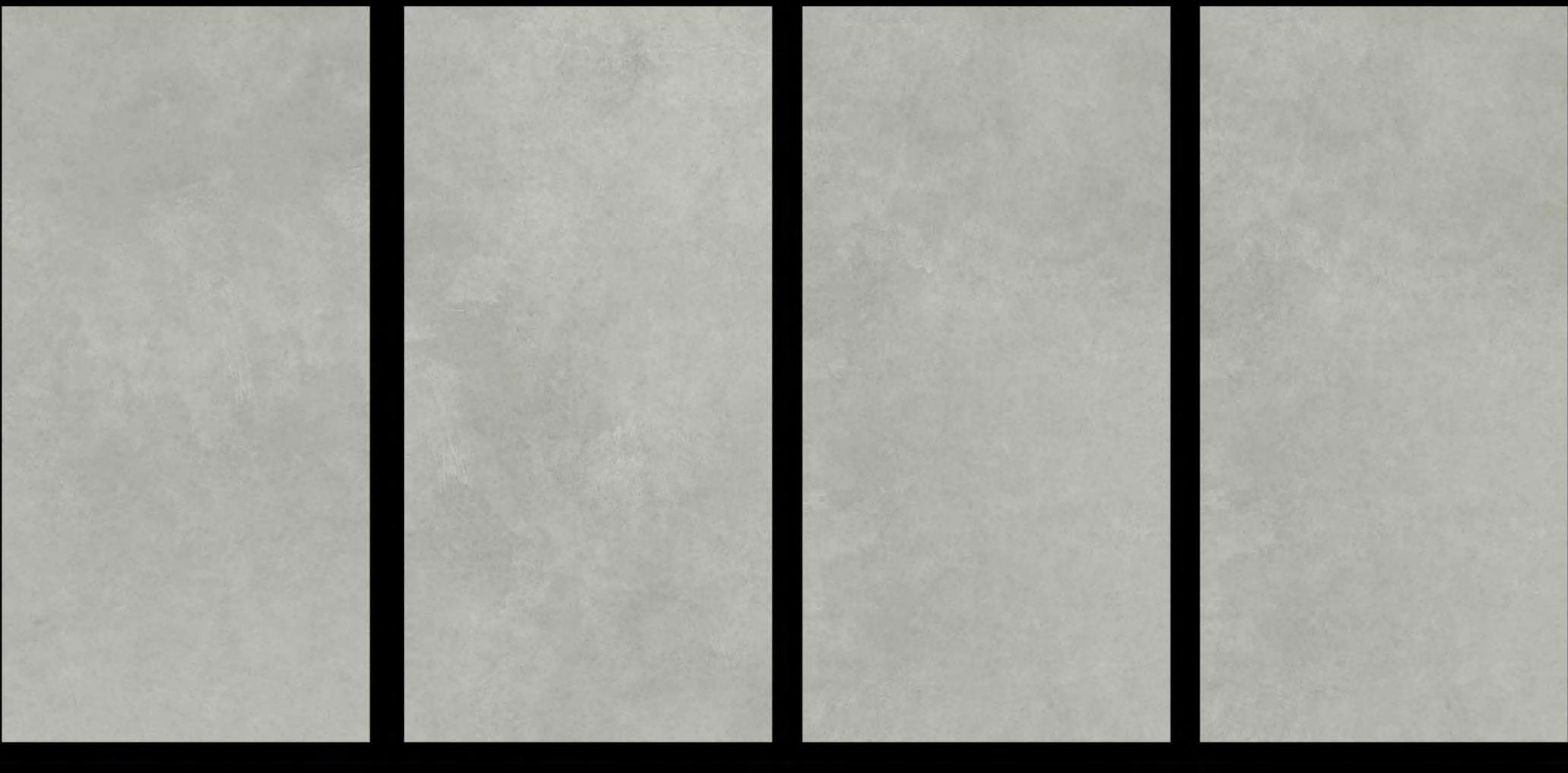












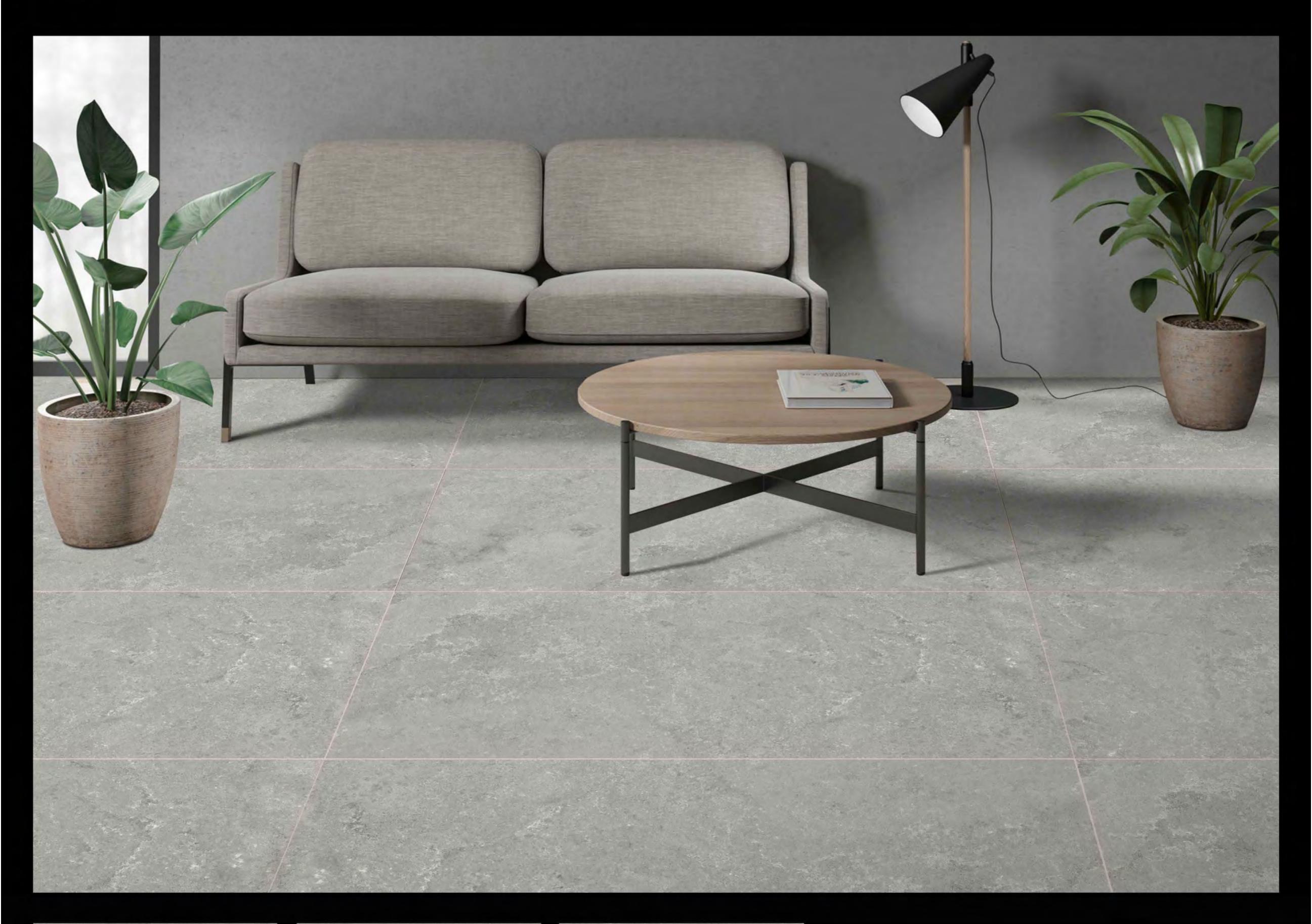














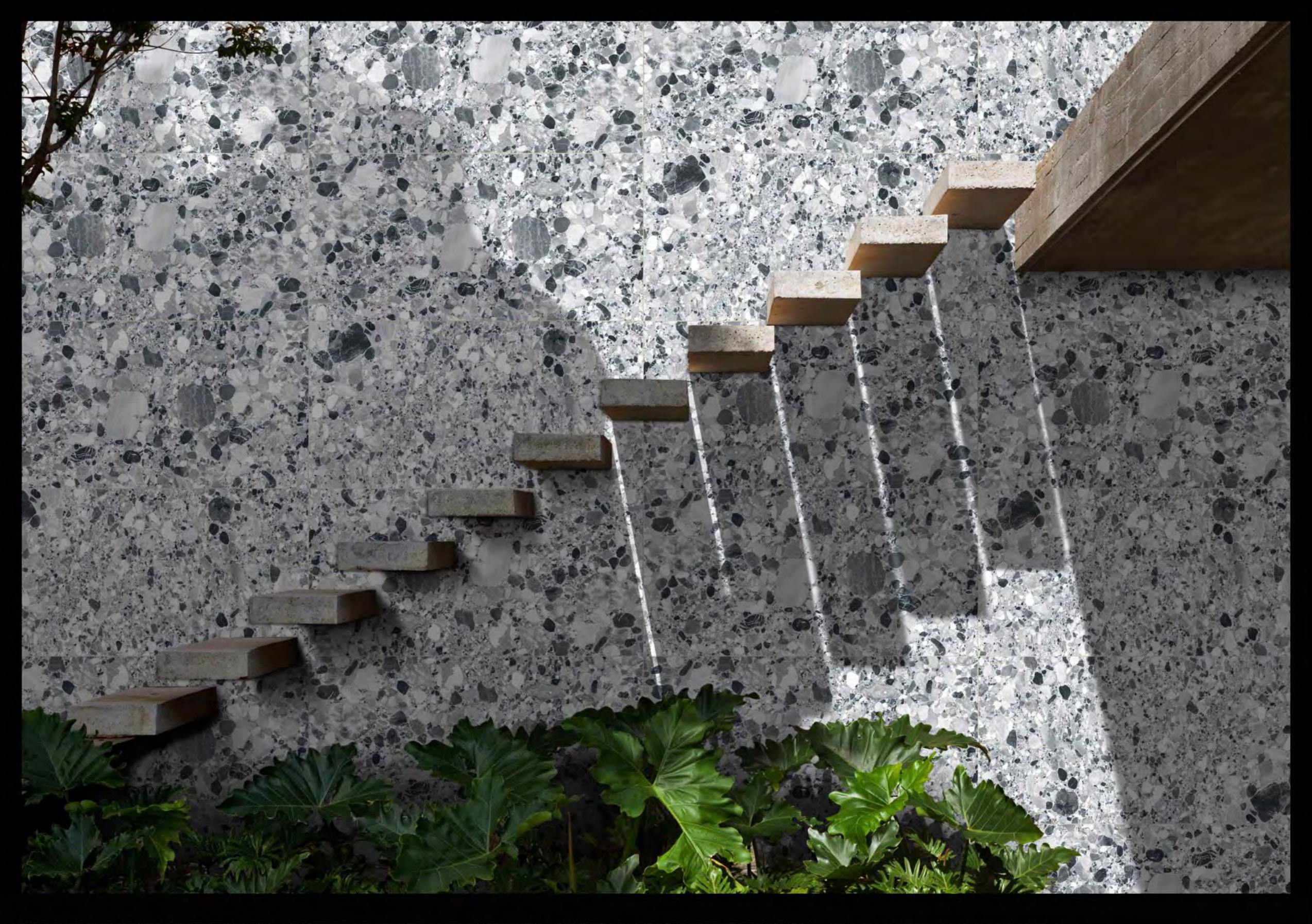




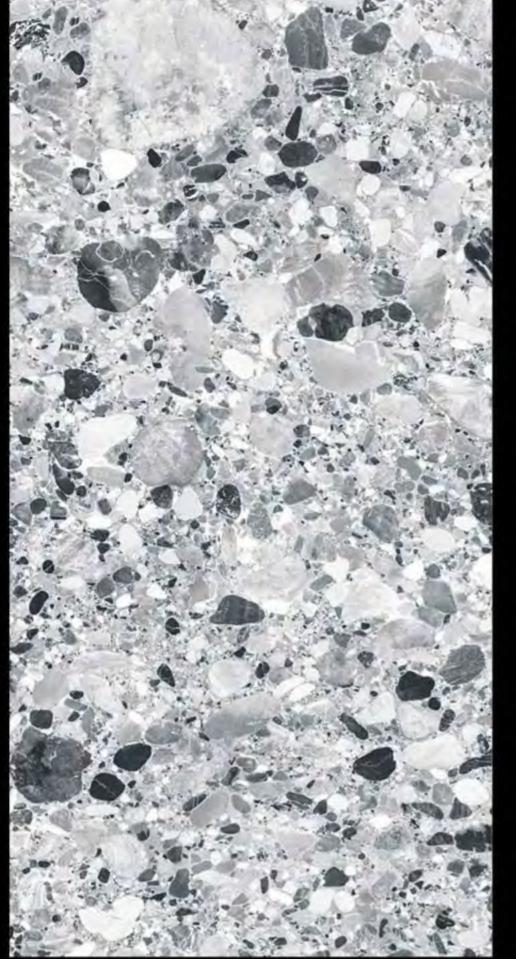


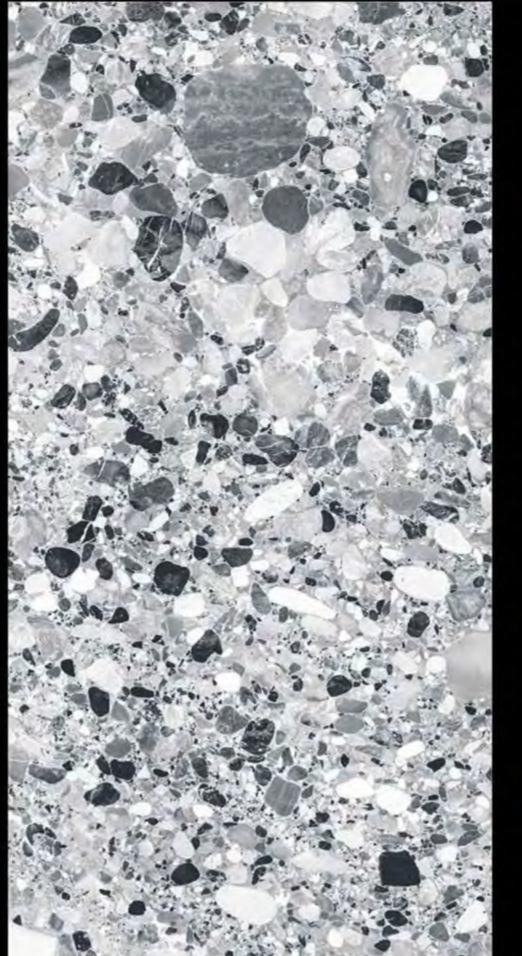


orientbell tiles













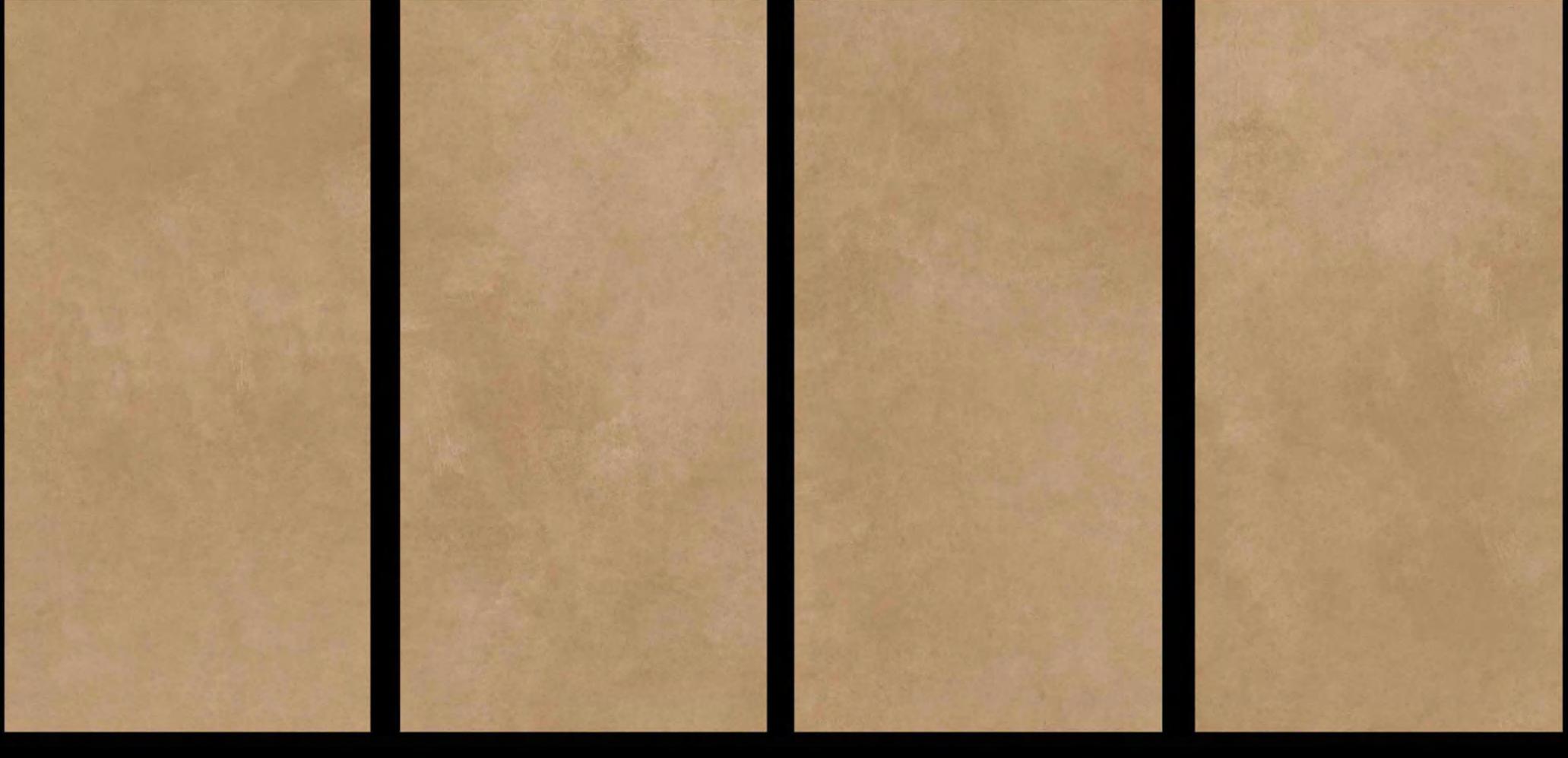




















orientbell tiles



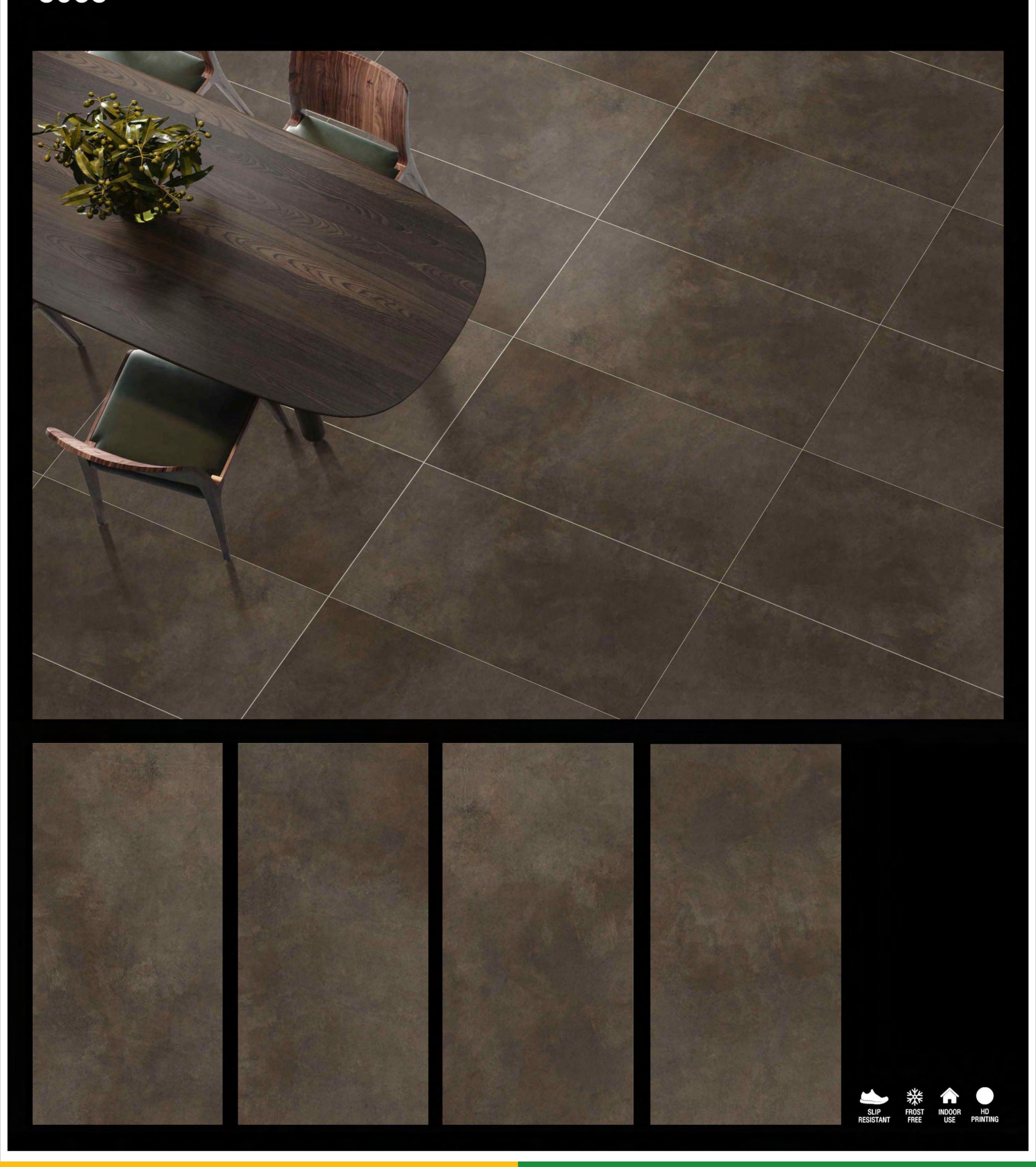






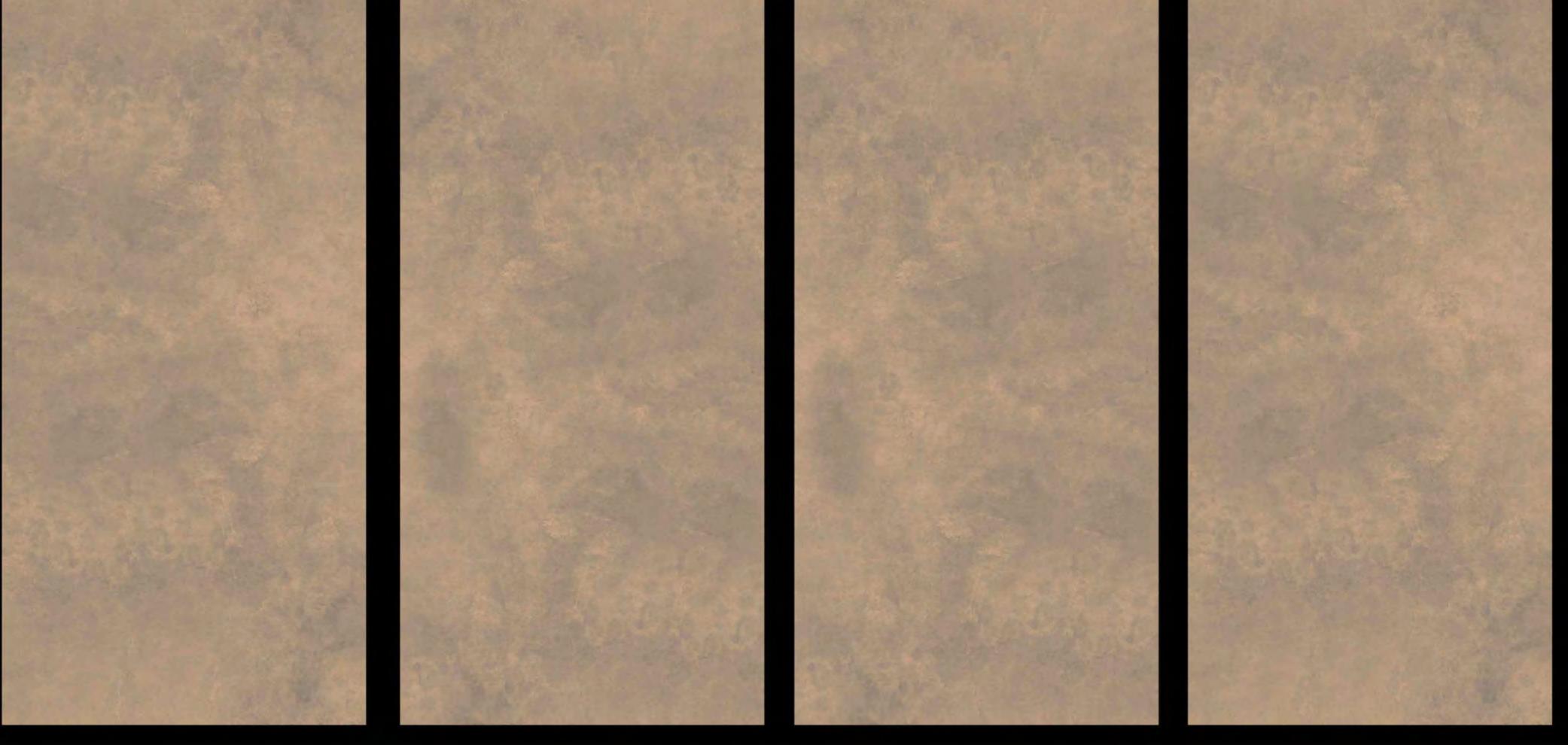






orientbell tiles



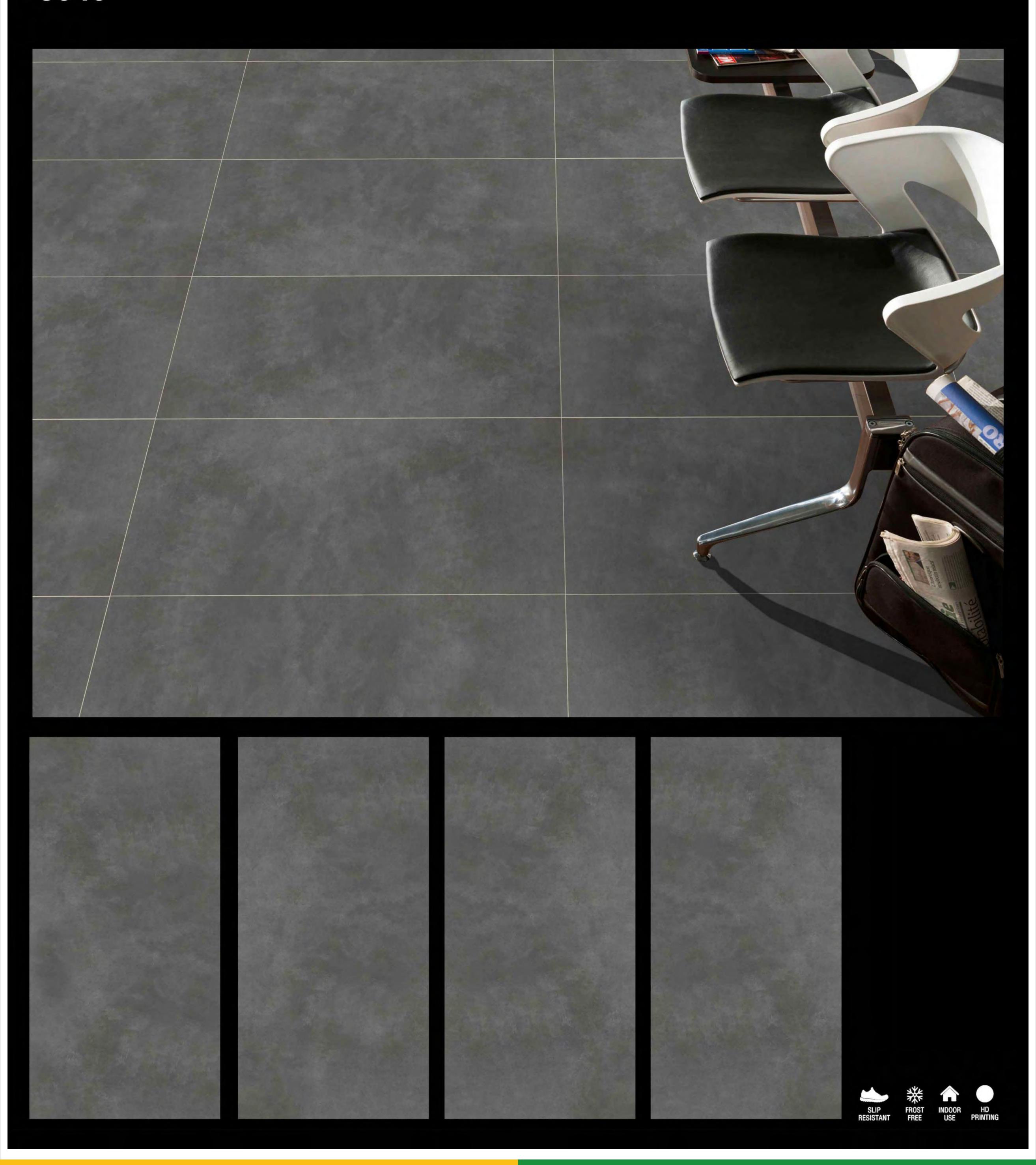






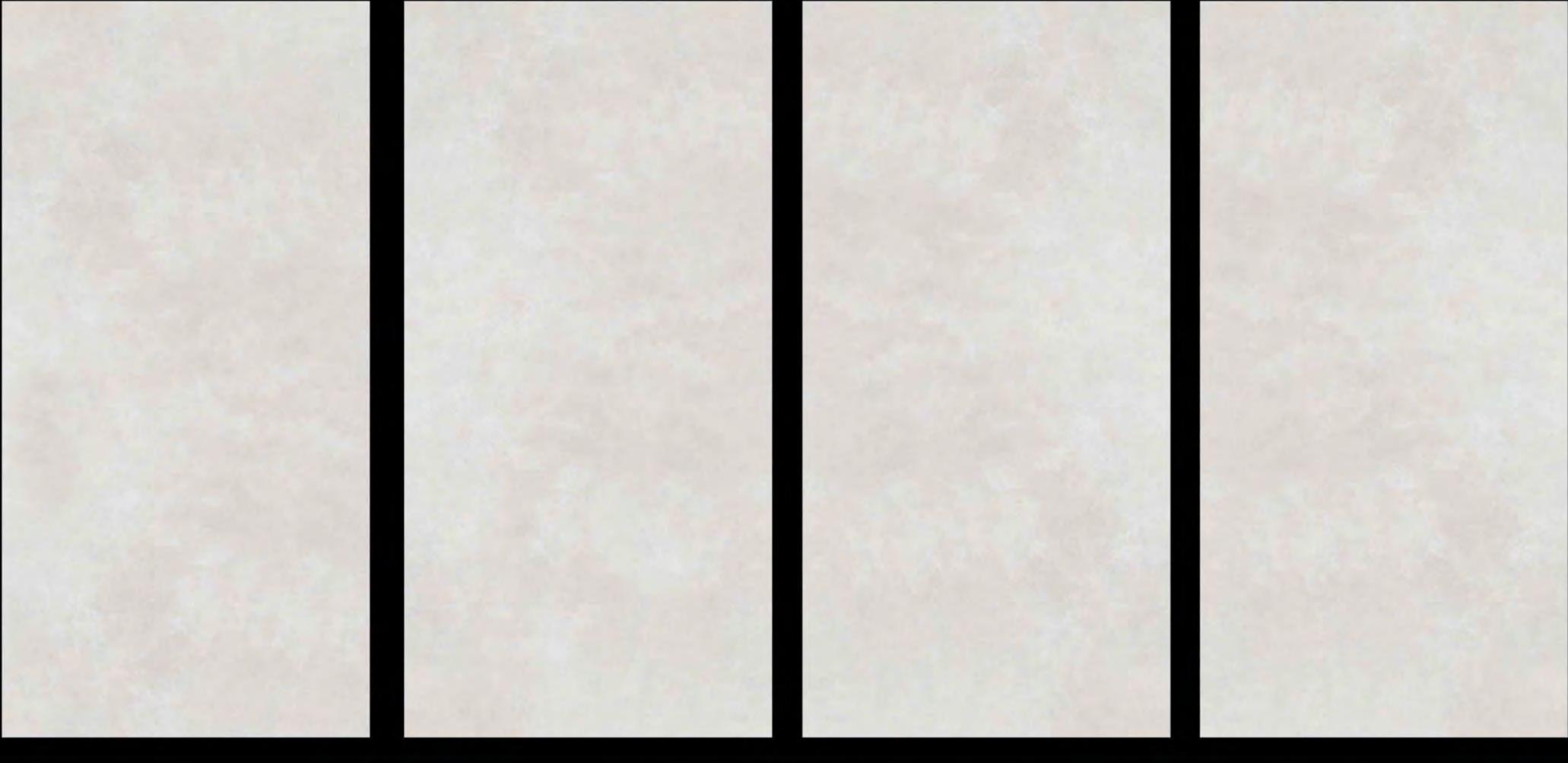






orientbell tiles





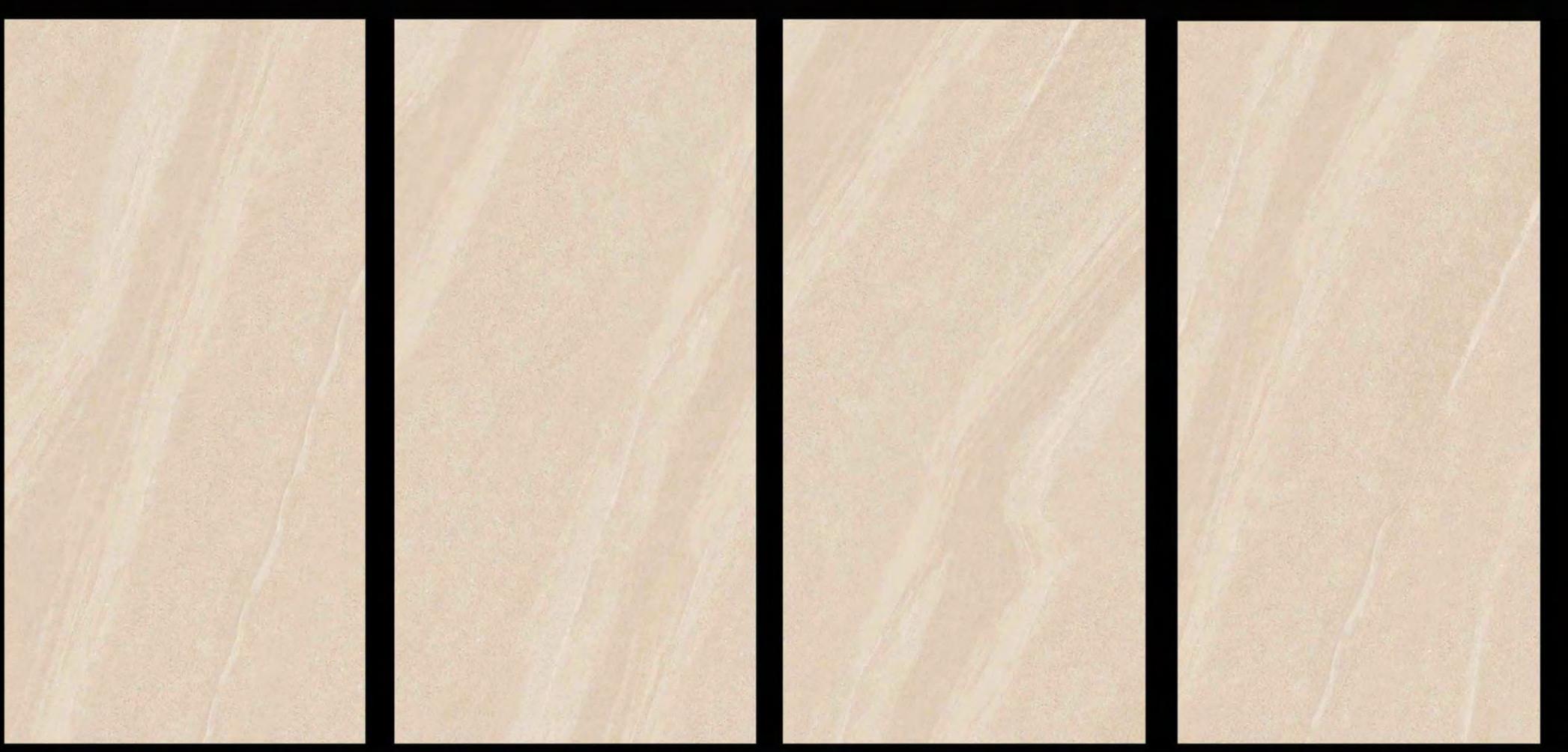






orientbell tiles



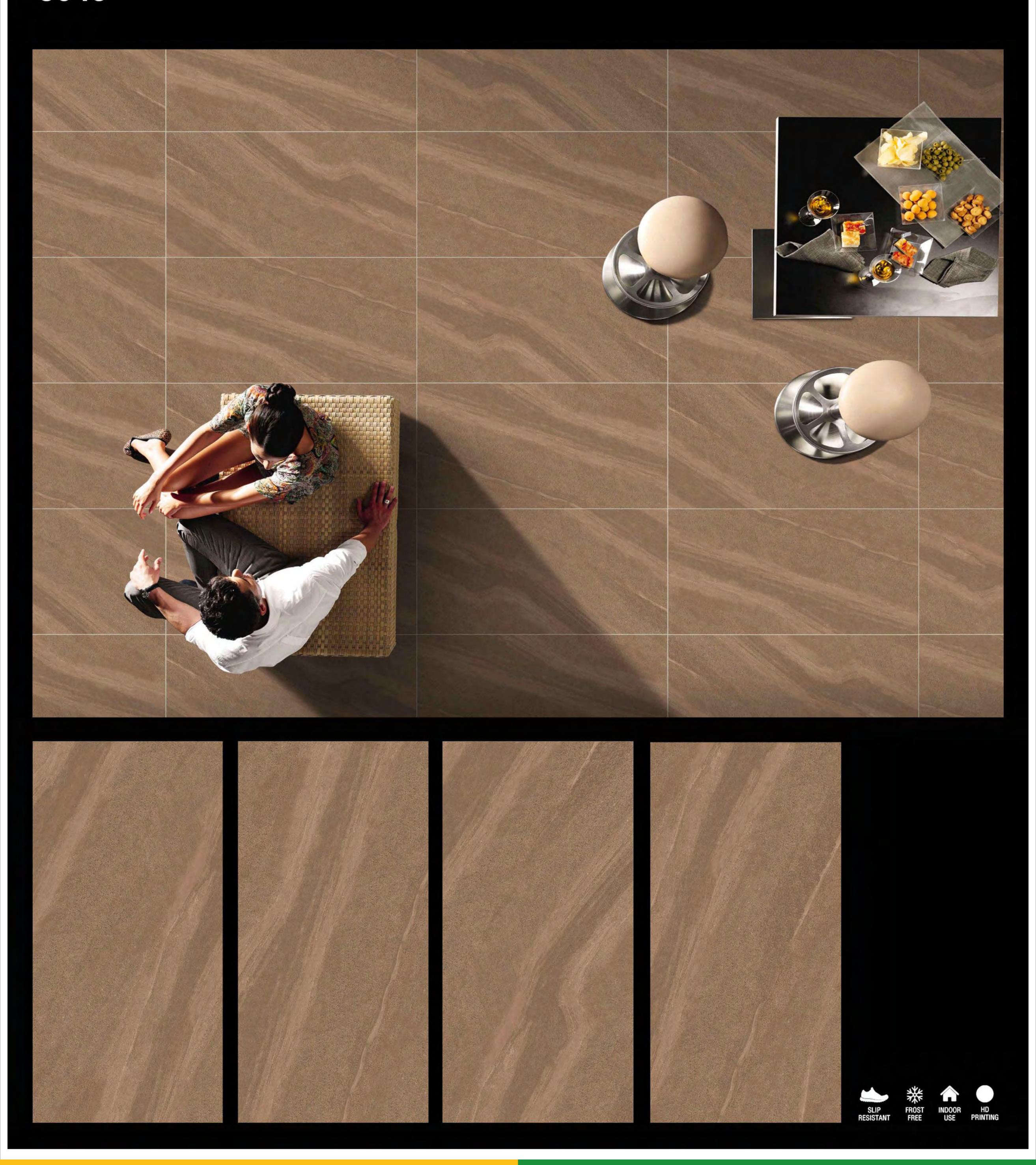


















































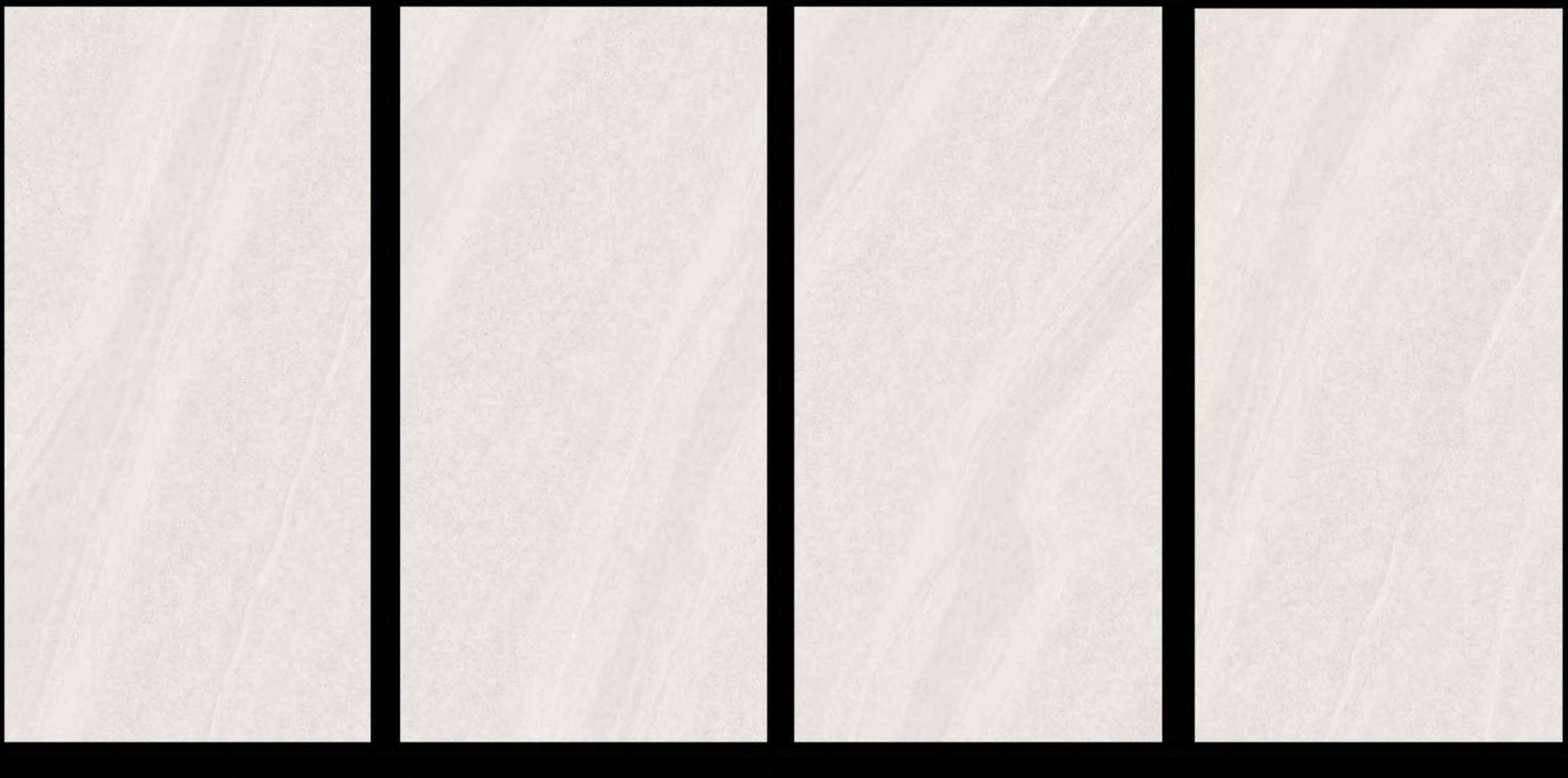


















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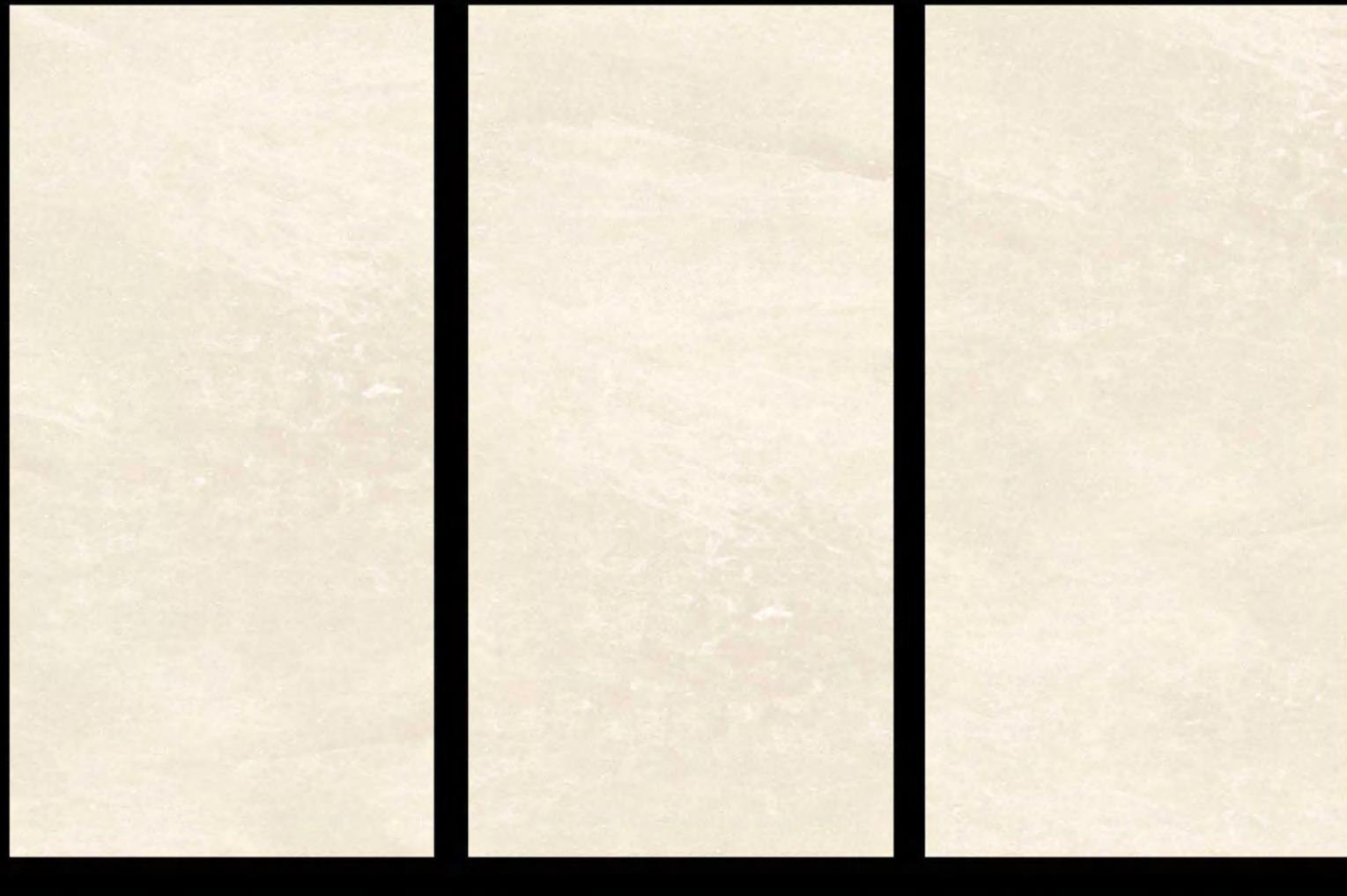






orientbell tiles





























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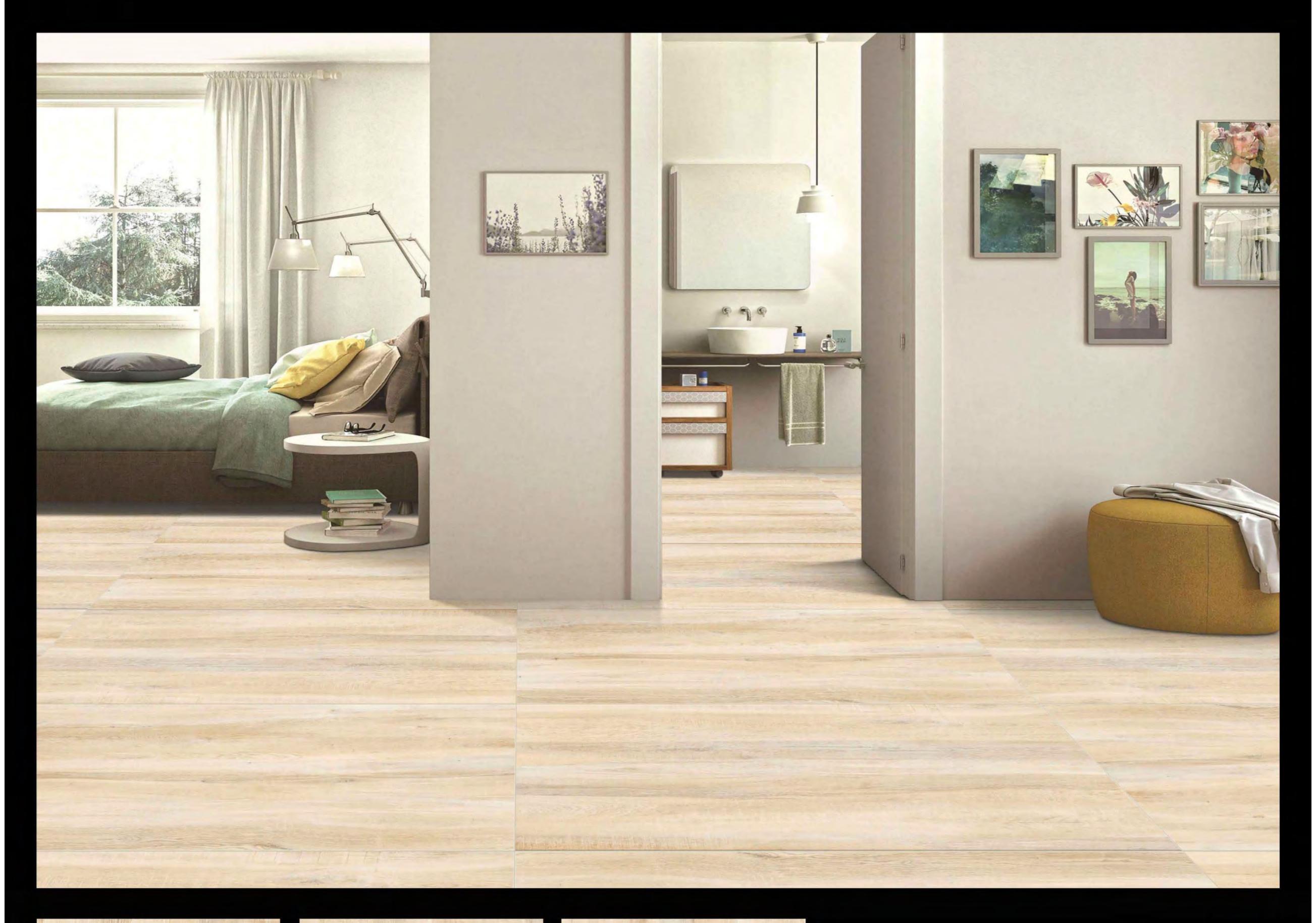








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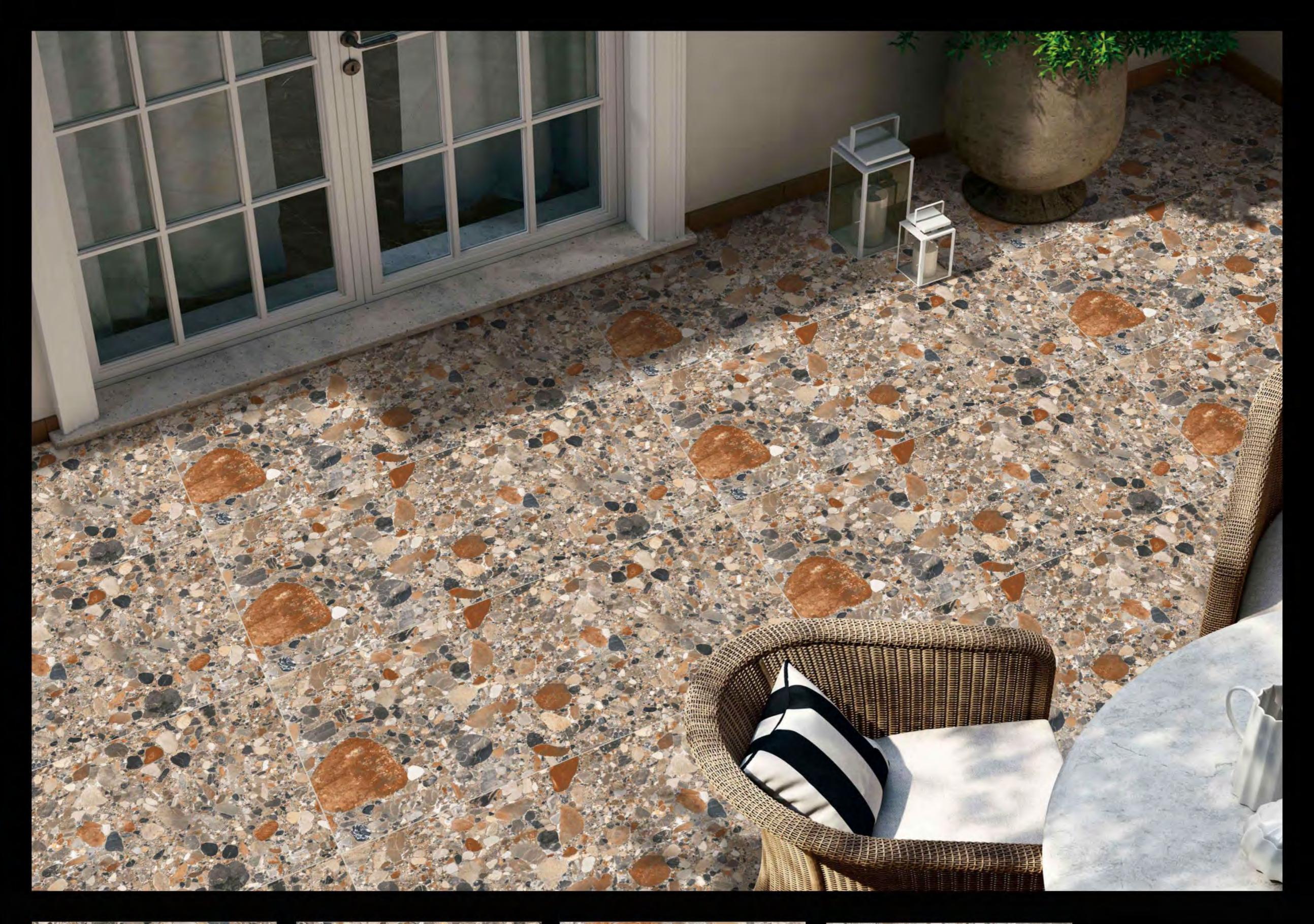


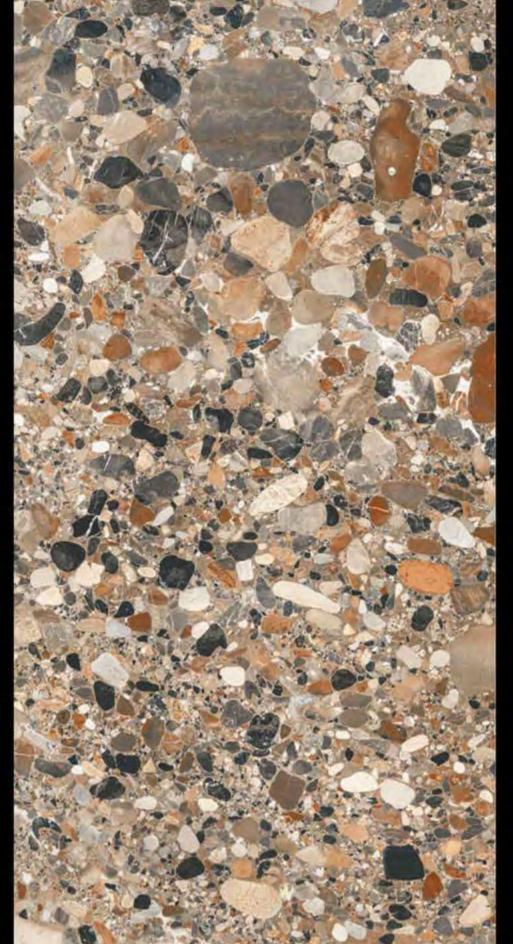


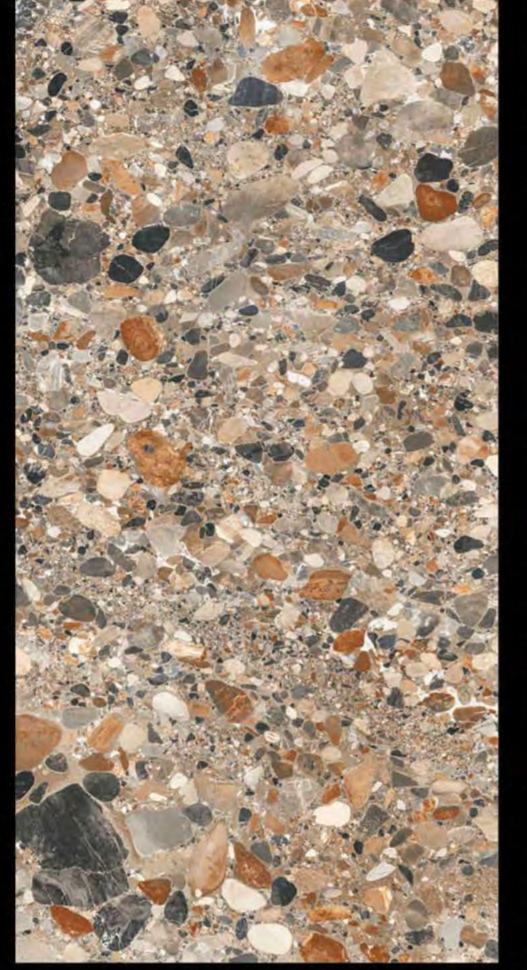


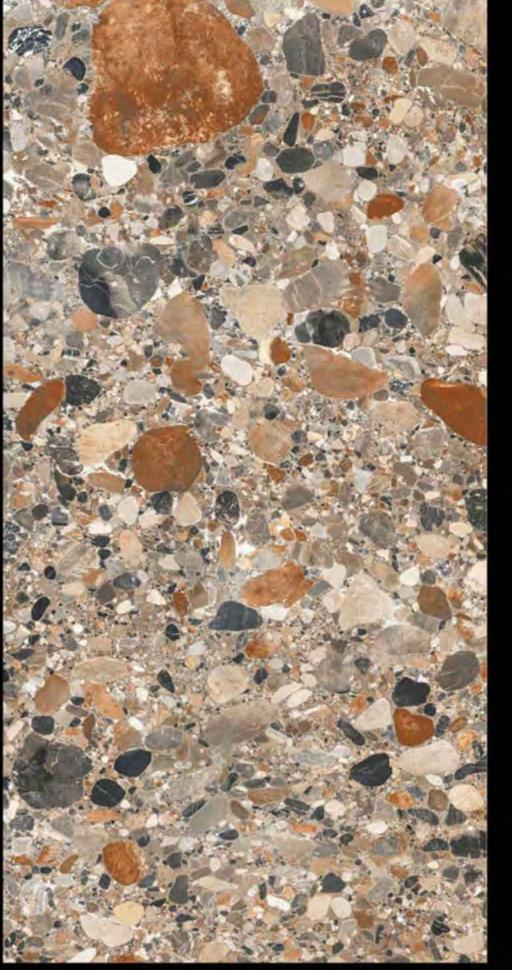
Glazed Vitrified Tiles MATTE FINISH

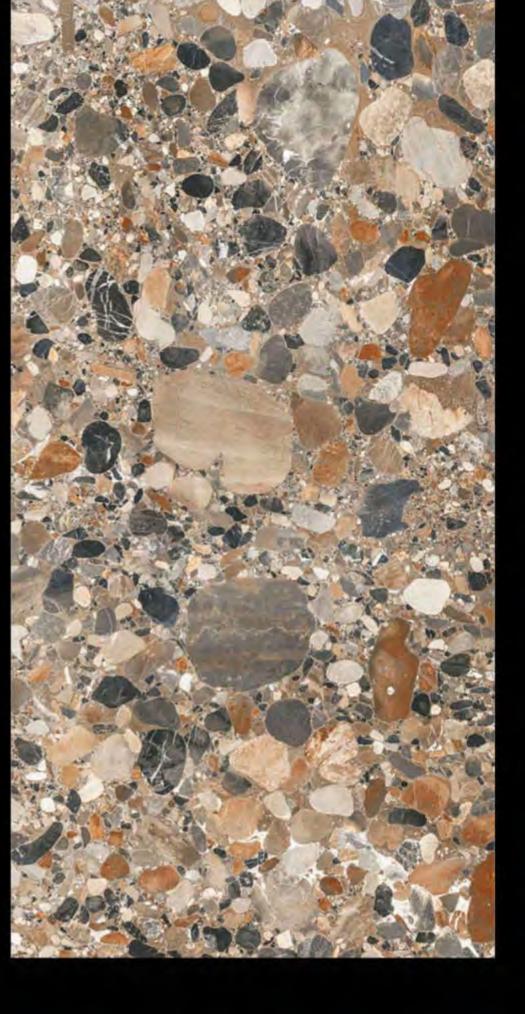
orientbell tiles





























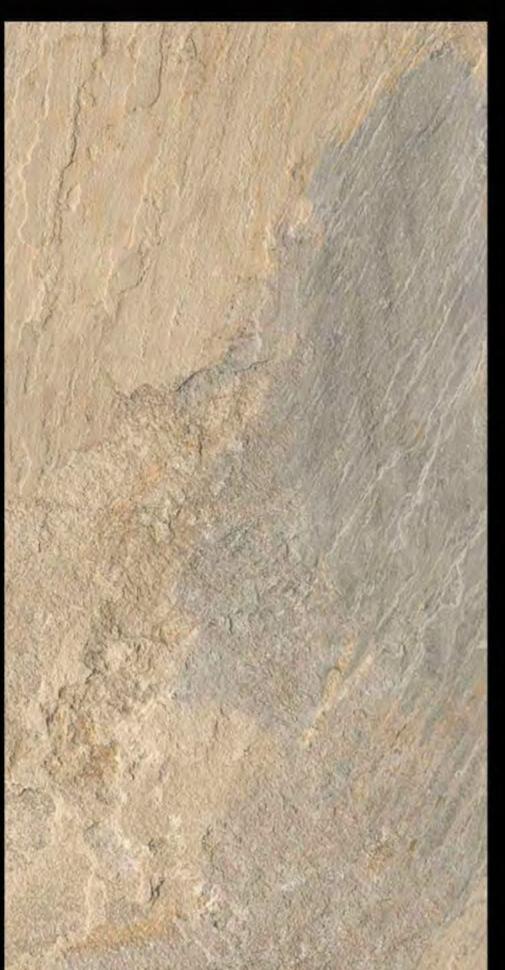




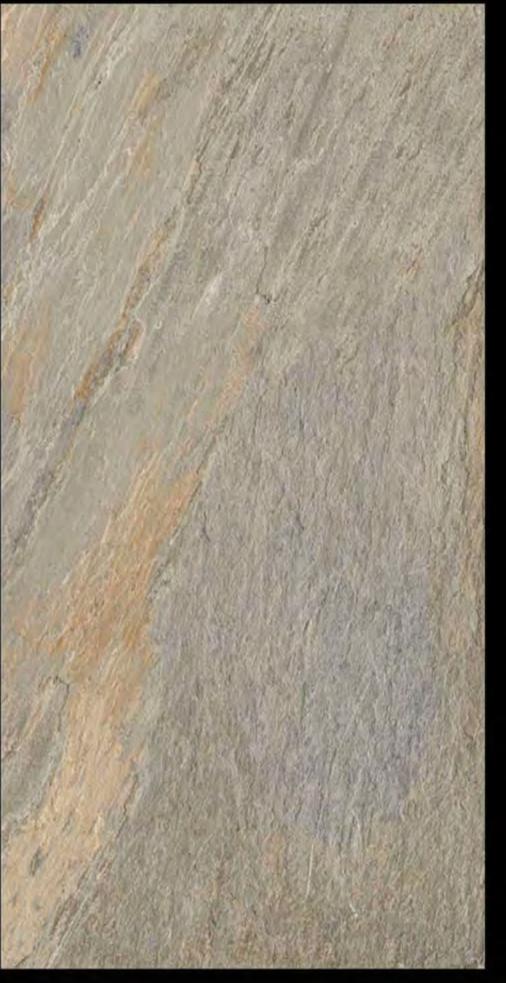
orientbell tiles











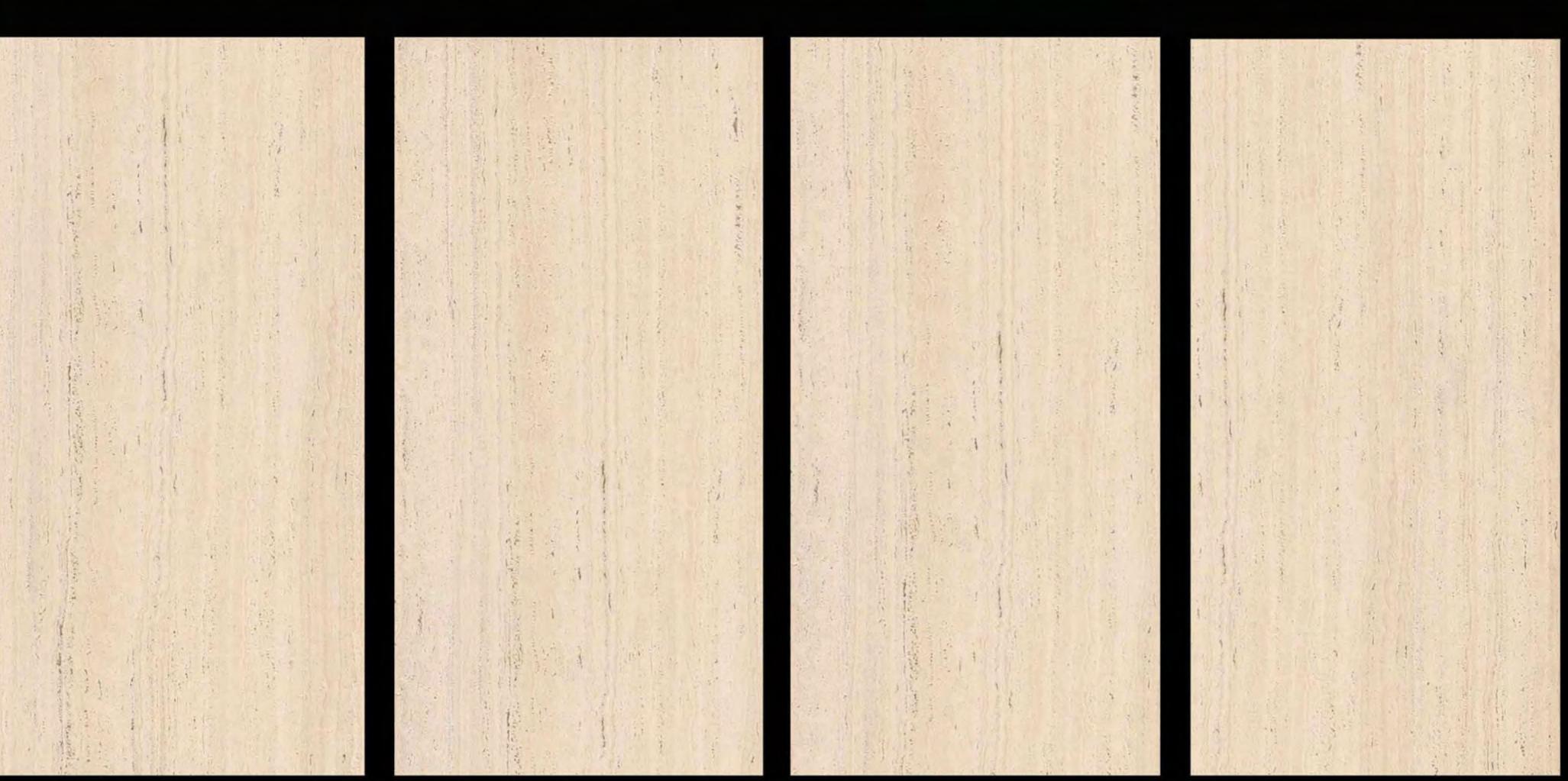






orientbell tiles







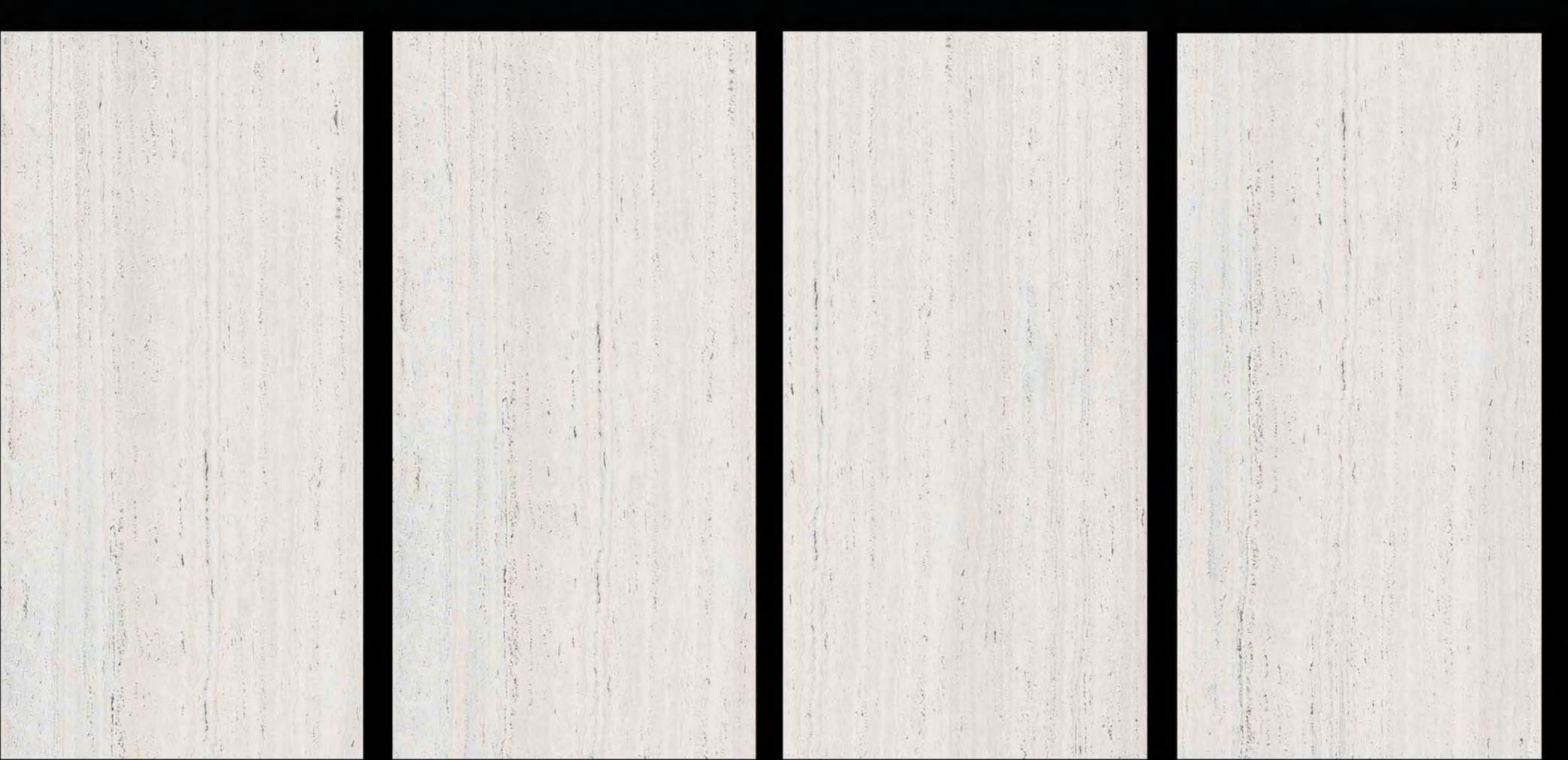














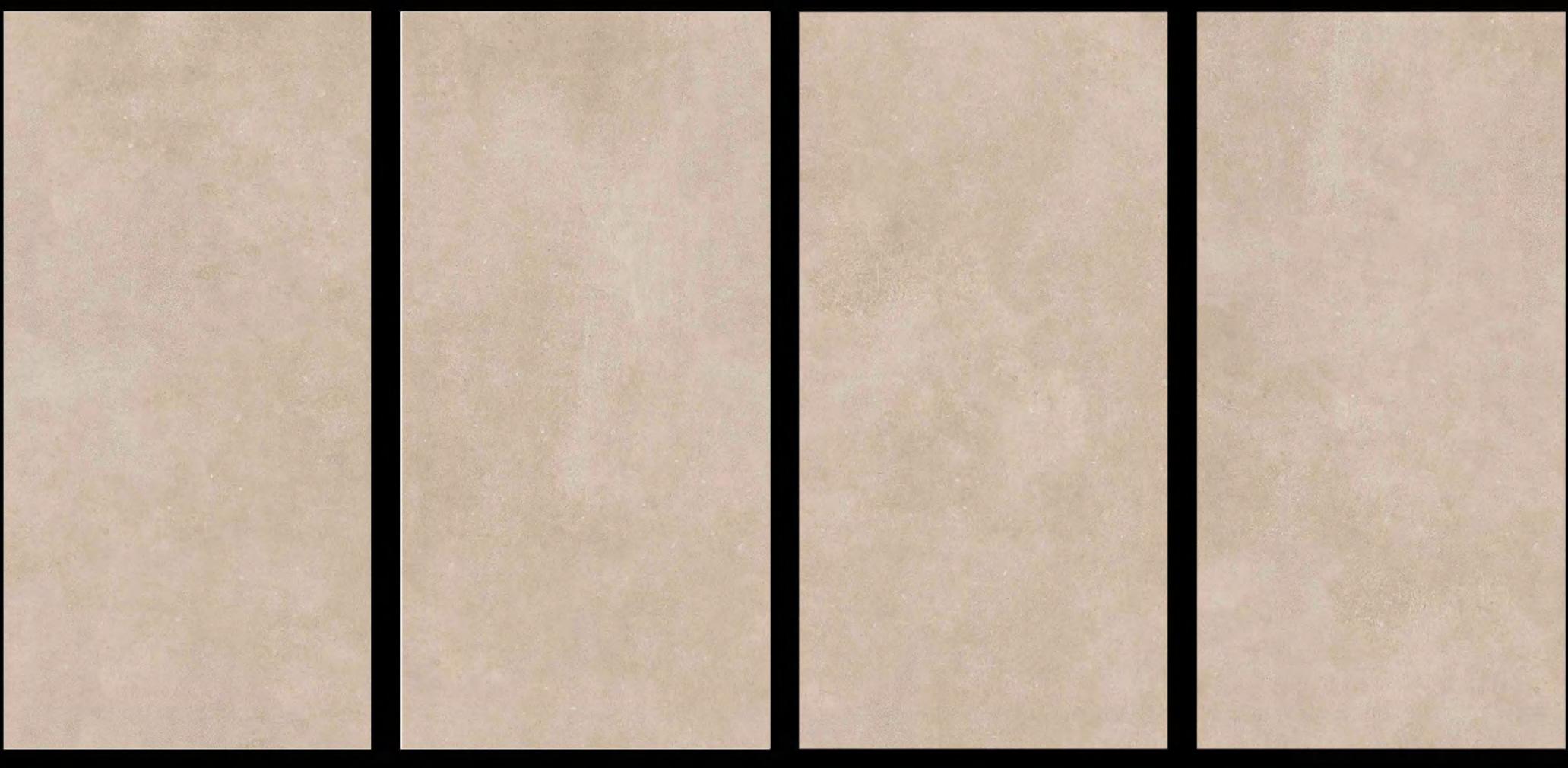






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orientbell tiles









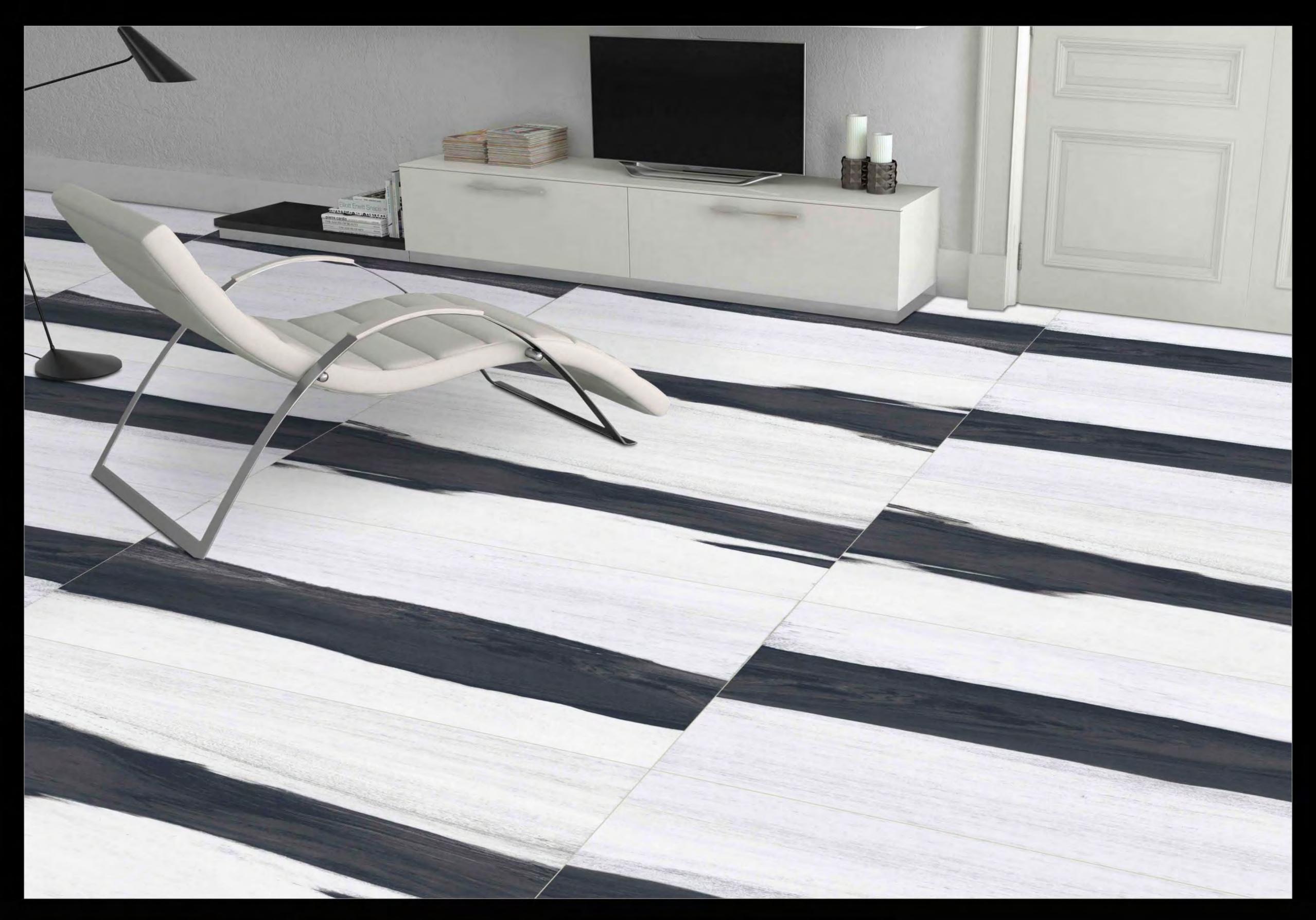




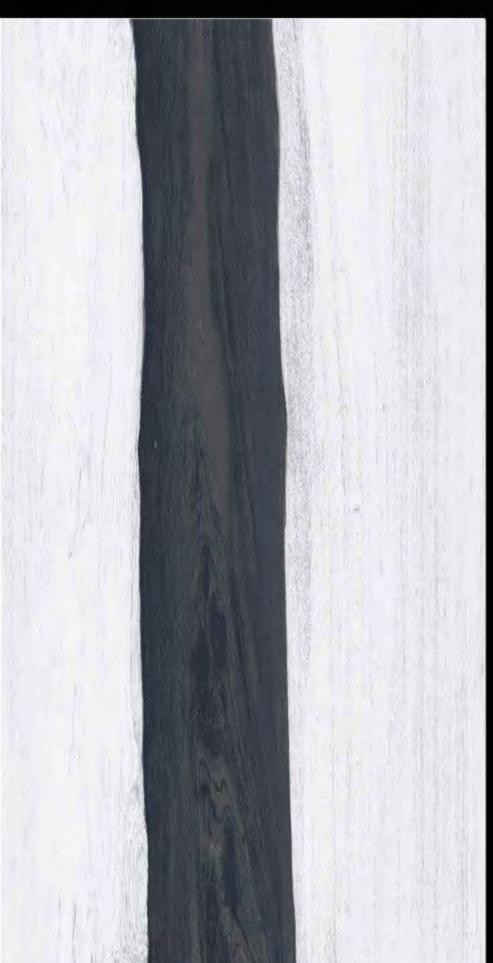




orientbell tiles

















TECHNICAL SPECIFICATIONS Glazed Vitrified Tiles

Packing Details						
Size	No. of Tiles Per Carton	Covered Area Per Carton				
(In mm.)		(In Sq. Mtr.)	(In Sq. Ft.)			
600X1200	2	1.44	15.5			

G	roup B Ia as per ISO	13006:2012 and Group	B Ib as per IS 1	5622:2017		
Characteristics	Test Methods	Requirement as per ISO 13006 ≤ 0.5 Group B Ia	Requirement as per IS 15622:2017 0.08 <e 3%="" b="" group="" ib<="" th="" ≤=""><th>OBL Norms</th><th></th></e>		OBL Norms	
Dimension & Surface Quality			Unrectified	Rectified		
Deviation in Length & Width		±0.6%	± 0.4%	± 0.1 %	± 0.1 %	
Deviation in Thickness		±5%	± 5.0 %		± 4 %	
Straightness of Sides	IC 12420 (David 1) 2004	±0.5%	± 0.3 % ± 0.1 %		± 0.1 %	
Rectangularity	IS 13630 (Part 1):2006	±0.5%	± 0.3 %	± 0.1 %	± 0.1 %	
Surface Flatness		±0.5%	± 0.5 %		± 0.2 %	© ©
Surface Quality		Min. 95 % tiles should be free from visible defects	Min. 95 % tiles should be free from visible defects		Conforms	
Physical Properties						
Water Absorption	IS 13630 (Part 2):2006	Avg 0.08 <e 3,="" 3.3,="" individual="" max<="" td="" ≤=""><td colspan="2">Avg $0.08 < E \le 3$, Individual max, 3.3</td><td>Avg \leq 0.5, Individual max, 0.6</td><td></td></e>	Avg $0.08 < E \le 3$, Individual max, 3.3		Avg \leq 0.5, Individual max, 0.6	
Modulus of Rupture in [N/mm²]	IS 13630 (Part 6):2006	Minimum 35, Individual 32, Min	Avg 30, Individual 27, Min		Avg 38 Min, Individual 35, Min	©
Breaking Strength in N	IS 13630 (Part 6):2006	< 7.5 mm thickness: 700, Min ≥ 7.5 mm thickness: 1300, Min	< 7.5 mm thickness: 700, Min ≥ 7.5 mm thickness: 1100, Min		1500 Min	
Moisture Expansion in mm/m	IS 13630 (Part 3):2006	Declare Value	0.02, Max		< 0.02	
Scratch Hardness of Surface (Moh's Scale)	IS 13630 (Part 13):2006	NA	5, Min		5 to 8 Depending on Design/Surface	© ©
Resistance to Surface Abrasion of glazed tiles (Class I to V)	IS 13630 (Part 11):2006	Test Method Available	Class II, Min		Class-III to Class-V Depending as per Design / Surface	
Co-efficient of Linear Thermal Expansion from ambiant temperature to 100°C	IS 13630 (Part 4):2006	Test Method Available	7x10 ⁻⁶ K ⁻¹ , Max		Conforms	
Thermal Shock Resistance	IS 13630 (Part 5):2006	Test Method Available	10 cycles, Min		Passed	
Crazing Resistance	IS 13630 (Part 9):2006	Test Method Available	4 Cycles@7.5 bar, Min		4 Cycle @ 7.5 Bar Min	© ©
Frost Resistance	IS 13630 (Part 10):2006	Required	Required		Resistance	
Bulk Density, in (g/cc)	IS 13630 (Part 12):2006	NA	2.0, Min		> 2.1	
Impact resistance- Coefficient of restitution	IS 13630 (Part 14):2006	Manufacturer to State	0.55, Min		0.7-0.85	
Chemical Properties						
Resistance to staining of glazed tiles		Min, Class 3	Class I	, Min	Conforms	
Resistance to household chemicals	IS 13630 (Part 8):2006	Min, GA	Class AA, Min		Conforms	
Resistance to acids and alkalis (with exception of hydrofluoric acid and its compounds)		Test Method Available	Required, if agreed		Conforms	

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.



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