

Porcelaingres. Dune.



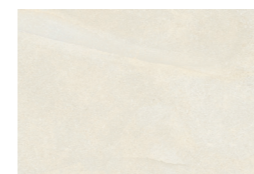
Technical Data

Dune | Summary



Collection: Dune | Color: Lime – Wave Decor

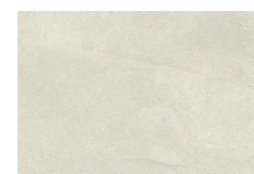
Colors



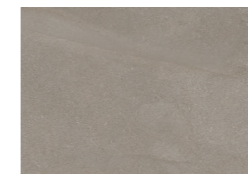
Lime



Taupe*



Pearl*



Amber*



Nebula



Shadow*



Seashell



Wave Decor
All colors

Technical features

Natural | R10 A+B | ± 6 mm



- 150×75
- 100×100
- 75×75

Natural | R10 A+B | ± 8 mm



- 120×60 + Wave Decor
- 60×60
- 60×30 + Wave Decor

Natural | R11 A+B+C | ± 8 mm

- 60×60

Structured | R11 A+B+C | ± 20 mm*



- 120×60
- 100×100
- 60×60

Specials

- Mosaic
- Bullnose
- Step



40% Raw material from recycling process
products assessed and found to comply
with the LEED and BREEAM regulations.




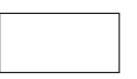
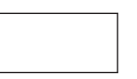
























[click here for](#)

Inspiration

Visit the collection webpage
in other languages.


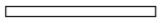
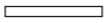














Dune

Product details

														Slabs Variability Index
Format (cm)	150 × 75	120 × 60	120 × 60	120 × 60	100 × 100	100 × 100		75 × 75	60 × 60	60 × 60		60 × 30	60 × 30	
Thickness (mm)	±6 mm	±20 mm	±8 mm	±8 mm	±20 mm	±6 mm		±6 mm	±20 mm	±8 mm		±8 mm	±8 mm	
Finishing	Natural	Structured	Natural	Natural	Structured	Natural		Natural	Structured	Natural	Natural	Natural	Natural	The shade variation index is a rating to determine tile variation between individual pieces of the same color group.
Skid Resistance	R10 A+B	R11 A+B+C	R10 A+B	-	R11 A+B+C	R10 A+B		R10 A+B	R11 A+B+C	R10 A+B	R11 A+B+C	R10 A+B	-	
Description	-	-	-	Wave Decor	-	-		-	-	-	-	-	Wave Decor	
Shadow	X1575441VX6	X126441X2	X126441X8	X1266441X8	X1010441X2	X1010441X6		X7575441VX6	X600441X2	X600441X8	X600441R11X8	X630441X8	X636441X8	 V2 slightly different tone
Amber	X1575442VX6	X126442X2	X126442X8	X1266442X8	X1010442X2	X1010442X6		X7575442VX6	X600442X2	X600442X8	X600442R11X8	X630442X8	X636442X8	 V2 slightly different tone
Taupe	X1575443VX6	X126443X2	X126443X8	X1266443X8	X1010443X2	X1010443X6		X7575443VX6	X600443X2	X600443X8	X600443R11X8	X630443X8	X636443X8	 V2 slightly different tone
Seashell	X1575440VX6		X126440X8	X1266440X8		X1010440X6		X7575440VX6		X600440X8	X600440R11X8	X630440X8	X636440X8	 V2 slightly different tone
Nebula	X1575444VX6		X126444X8	X1266444X8		X1010444X6		X7575444VX6		X600444X8	X600444R11X8	X630444X8	X636444X8	 V2 slightly different tone
Pearl	X1575445VX6	X126445X2	X126445X8	X1266445X8	X1010445X2	X1010445X6		X7575445VX6	X600445X2	X600445X8	X600445R11X8	X630445X8	X636445X8	 V2 slightly different tone
Lime	X1575446VX6		X126446X8	X1266446X8		X1010446X6		X7575446VX6		X600446X8	X600446R11X8	X630446X8	X636446X8	 V2 slightly different tone
Features	 GRIP+	 CLEAN+	 GRIP+		 CLEAN+	 GRIP+		 GRIP+	 CLEAN+	 GRIP+		 GRIP+		
														Note
pieces - box	2	1	2	2	1	2		3	2	4		8		
boxes - pallet	30	32	36	36	24	26		40	30	32		40		
sqm - box	2,25	0,72	1,44	1,44	1	2		1,688	0,72	1,44		1,44		
sqm - pallet	67,5	23,04	51,84	51,84	24	52		67,52	21,6	46,08		57,6		
kg - sqm	13,7067	45,0226	17,79	17,79	45,50	14,06		13,7915	45,2407	17,41		17,33		
kg - box	30,84	32,416	25,618	25,618	45,50	28,12		23,273	32,573	25,07		24,955		

Dune

Product details

												Slabs Variability Index
Format (cm)	30 × 30	100 × 6,5	75 × 6,5	60 × 7	150 × 37,5		120 × 30	100 × 30	75 × 37,5	60 × 30		
Thickness (mm)	±8 mm	±6 mm	±6 mm	±8 mm	±6 mm		±8 mm	±6 mm	±6 mm	±8 mm		
Finishing	Natural	Natural	Natural	Natural	Natural		Natural	Natural	Natural	Natural		The shade variation index is a rating to determine tile variation between individual pieces of the same color group.
Skid Resistance	R10 A+B	-	-	-	R10 A+B		R10 A+B	R10 A+B	R10 A+B	R10 A+B		
Description	Mosaic 4,7 × 4,7	Bullnose	Bullnose	Bullnose	Step with grooves		Step with grooves	Step with grooves	Step with grooves	Step with grooves		
Shadow	X370441X8	X1065441X6	X765441VX6	X670441X8	X3715441VX6		X3213441X8	X3100441X6	X3775441VX6	X360441X8		 V2 slightly different tone
Amber	X370442X8	X1065442X6	X765442VX6	X670442X8	X3715442VX6		X3213442X8	X3100442X6	X3775442VX6	X360442X8		 V2 slightly different tone
Taupe	X370443X8	X1065443X6	X765443VX6	X670443X8	X3715443VX6		X3213443X8	X3100443X6	X3775443VX6	X360443X8		 V2 slightly different tone
Seashell	X370440X8	X1065440X6	X765440VX6	X670440X8	X3715440VX6		X3213440X8	X3100440X6	X3775440VX6	X360440X8		 V2 slightly different tone
Nebula	X370444X8	X1065444X6	X765444VX6	X670444X8	X3715444VX6		X3213444X8	X3100444X6	X3775444VX6	X360444X8		 V2 slightly different tone
Pearl	X370445X8	X1065445X6	X765445VX6	X670445X8	X3715445VX6		X3213445X8	X3100445X6	X3775445VX6	X360445X8		 V2 slightly different tone
Lime	X370446X8	X1065446X6	X765446VX6	X670446X8	X3715446VX6		X3213446X8	X3100446X6	X3775446VX6	X360446X8		 V2 slightly different tone
Features	 GRIP+				 GRIP+		 GRIP+	 GRIP+	 GRIP+	 GRIP+		
												Note
pieces - box	11	12	15	10	2		4	5	3	6		*Production upon request
boxes - pallet	-	-	-	-	-		-	-	-	-		
sqm - box	0,99	0,78	0,731	0,42	1,125		1,44	1,5	0,844	1,08		
sqm - pallet	-	-	-	-	-		-	-	-	-		
kg - sqm	1,57	0,92	0,69	0,78	7,91		6,4	4,2	3,96	3,12		
kg - box	17,27	11,04	10,35	7,8	15,82		25,6	21	11,88	18,72		

Technical product features

Declared values of production

Compliance with standards

The surfaces complies with the European standards EN 14411 (group B1a) and international standards ISO 13006 Annex G.

- ISO 10545-2 (Determination of dimensions and surface quality)
- ISO 10545-3 (Determination of water absorption)
- ISO 10545-4 (Determination of modulus of rupture and breaking strength)
- ISO 10545-6 (Determination of resistance to deep abrasion for unglazed tiles)
- ISO 10545-8 (Determination of linear thermal expansion)
- ISO 10545-9 (Determination of resistance to thermal shock)
- ISO 10545-12 (Determination of frost resistance)
- ISO 10545-13 (Determination of chemical resistance)
- ISO 10545-14 (Determination of resistance to stains)

And it must also guarantee conformity with:

- DIN 51094 (lightfastness of the colours)
- DIN EN 16165 - Annex B (to measure the surfaces suitability for laying in areas where people walk footwear. Defining the "R-value" of the surfaces according to the table below):

$\alpha < 6^\circ$ = not classified

$6^\circ \leq \alpha \leq 10^\circ$ = R9

$10^\circ < \alpha \leq 19^\circ$ = R10

$19^\circ < \alpha \leq 27^\circ$ = R11

$27^\circ < \alpha \leq 35^\circ$ = R12

$\alpha > 35^\circ$ = R13

- DIN EN 16165 - Annex A (to measure the surfaces suitability for laying in areas where people walk barefoot. Given an "A, B and C" value according to the table below):

$\alpha < 12^\circ$ = not classified









$12^\circ \leq \alpha < 18^\circ$ = A

$18^\circ \leq \alpha < 24^\circ$ = B (A+B)

$\alpha \geq 24^\circ$ = C (A+B+C)

Compliance with these characteristics is checked in accordance with the certified quality management system of the UNI-EN ISO 9001 standard in addition to being guaranteed by the manufacturer.

Porcelaingres surfaces are made with low environmental impact in accordance with LEED_ BREEAM guidelines by using both new strategies for the continuous improvement of environmental friendliness and the aim of reducing wasting of non-renewable resources, in addition to using natural raw materials commonly found in the environment and recycled materials.

Features	Norms	▲ Required standard	Declared values
 water absorption	ISO 10545-3	$\leq 0,5\%$	$< 0,05\%$
 sizes	ISO 10545-2	length and width $\pm 0,6\%$ max thickness $\pm 5,0\%$ max linearity $\pm 0,5\%$ max wedging $\pm 0,6\%$ max warpage $\pm 0,5\%$ max	$\pm 0,2\%$ max $\pm 5,0\%$ max $\pm 0,2\%$ max $\pm 0,2\%$ max $\pm 0,2\%$ max
 bending strength	ISO 10545-4	$\geq 35 \text{ N/mm}^2$	$> 48 \text{ N/mm}^2$ For 20mm slabs: $> 42 \text{ N/mm}^2$
 resistance to deep abrasion	ISO 10545-6	$\leq 175 \text{ N/mm}^3$	$\leq 140 \text{ mm}^3$
 thermal expansion coefficient	ISO 10545-8	testing method available	7 MK^{-1}
 thermal shock resistance	ISO 10545-9	testing method available	resistant
 frost resistance	ISO 10545-12	no sample must show alterations to surface	frost resistance
 chemical resistance	ISO 10545-13	no sample must show visible signs of chemical attack (acids-bases-additives for pools) except for products containing hydrofluoric acid and derivatives.	unaffected
 stain resistance	ISO 10545-14	unglazed tiles: testing method available	class 5
 colour resistance to light	DIN 51094	no sample must show noticeable colour change	no change in brightness or colour
 skid resistance average coefficient of friction (μ)	DIN EN 16165 Annex B		R10 – natural R11 – natural R11 – strutctred
	DIN EN 16165 Annex A		A+B A+B+C

Certifications

Sensitivity towards ethyca, environmental, safety and quality concerns

Product Certifications:



LEED certification: is a global system used in 40+ countries to check if buildings are environmentally friendly. The LEED (Leadership in Energy and Environmental Design) It evaluates how well a building is sustainable in terms of the environment, society, and economy. The slabs in this tool have over 40% recycled material, following the ISO 14021 standard, ensuring the highest LEED points.

BREEAM certification is a widely used global standard that measures how buildings impact the environment. It has strictw rules and checks based on the latest technology and knowledge. The rating system demands certifications based on strict technical parameters and quality control.

You can find the updated list of certified collections at www.porcelaingres.com/downloads/.



UPEC classification associated with the QB certification mark attests to the compliance of floor and wall coverings with the technical requirements set out in certification reference documents. It assigns classifications of use indicating that the durability of a product is appropriate for use on specific types of premises.

The list of the certified products is available at <http://evaluation.cstb.fr/>



CE MARK - It indicates that Porcelaingres products comply with the requirements of 305/2011 UE directive – in particular with regard to health production and the users and consumers' safety – and may thus be freely circulated on the Community market. **For the declarations of conformity of each single product, please refer to: www.porcelaingres.com/downloads/.**



放射性水平A类
See official listing

The **China Compulsory Certificate** mark, commonly known as a **CCC Mark**, is a compulsory safety mark for our Great Format products imported, sold or used in the Chinese market.

The certification is available at www.porcelaingres.com/downloads/.



EPD (Environmental Product Declaration): a voluntary type III product declaration, based on analysis of the product life cycle (with a "from cradle to grave" approach) in accordance with the EN 15804 standard. This declaration is drawn up with reference to the guidelines of the UNI EN ISO 14040 standard and the specific PCR (Product Category Rules). This document describes the environmental impact linked to the entire life cycle of a specific quantity of product. Our Company was the first to certify its products (see www.environdec.com) with specific EPD, validated by an independent third-party Body.

The certification is available at www.porcelaingres.com/downloads/.



GREENGUARD certification ensures indoor products have minimal emissions of volatile substances for healthier environments. GREENGUARD Gold Certification considers safety for sensitive individuals and approves products for use in places like schools and healthcare facilities. Widely recognized globally in sustainable building programs, it is referenced by The Collaborative for High Performance Schools (CHPS) and Leadership in Energy and Environmental Design (LEED) in the United States.

Certified collections can be found at <https://spot.ul.com/>.

Integrated Management System Certifications:



ISO 9001 certification: for corporate Quality system management. The certification, valid at an international level, concerns corporate management in its entirety, from research and development to production, and from distribution to customer support. This system certifies that the Company has implemented an internal quality management system.

The certification is available at www.porcelaingres.com/downloads/.



ISO 50001 certification: for organizations committed to addressing their impact, conserving resources and improving the bottom line through efficient energy management. The standard specifies the requirements for establishing, implementing, maintaining and improving an energy management system, whose purpose is to enable an organization to follow a systematic approach in achieving continual improvement of energy performance, including energy efficiency, energy security, energy use and consumption.

The certification is available at www.porcelaingres.com/downloads/.

Environmental Information and Labels:

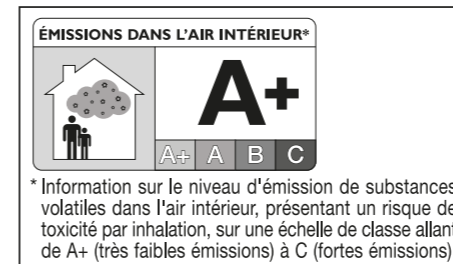


Declare label: a badge for construction materials, essentially functioning as a voluntary self-disclosure program. This initiative furnishes details about the material's composition, final assembly locations, lifespan, end-of-life options, and overall adherence to pertinent Living Building Challenge® (LBC) requirements.

Accessible through a complimentary database, Declare® labels prove to be an essential tool for designers and architects, empowering them to specify products aligning with the criteria of key green building standards, including Core Green Building certifications, LBC, LEED, and WELL.

All our materials hold the classification of being "Red List Free," affirming their absence of chemicals listed in the Living Building Challenge's "Red List."

More info available at <https://declare.living-future.org/products/ceramic-slabs>.



* Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).



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