# Porcelaingres.
# Silk Stone.

Technical Data

# Silk Stone | Summary



Collection: Silk Stone | Color: Light Ornament – Decor

## Colors

**Black Chiffon**

**Velvet Brown**

**Shantung Greige**

**Vanilla Lace**

**White Satin**

**Light Ornament**

**Dark Ornament**

## Technical features

**Natural | R10 A+B | ⫫ 6 mm**　　　　🌢 **GRIP+**

- 120 × 60 + Decor
- 120 × 30 + Decor
- 100 × 100
- 60 × 60 + Decor
- 60 × 30

**Specials**

- Mosaic
- Bullnose
- Step

♻ **40% Raw material from recycling process** products assessed and found to comply with the LEED and BREEAM regulations.
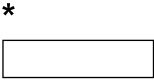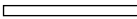
**click here for**

**Inspiration**
Visit the collection webpage in other languages.

# Silk Stone
## Product details

| | 120 × 60 | 120 × 30 * | 100 × 100 | 60 × 60 | 60 × 30 | | 30 × 30 | 100 × 6,5 | 60 × 7 | 120 × 30 * | 100 × 30 * | 60 × 30 * | Slabs Variability Index |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Format (cm)** | 120 × 60 | 120 × 30 | 100 × 100 | 60 × 60 | 60 × 30 | | 30 × 30 | 100 × 6,5 | 60 × 7 | 120 × 30 | 100 × 30 | 60 × 30 | The shade variation index is a rating to determine tile variation between individual pieces of the same color group. |
| **Thickness (mm)** | 6 mm | 6 mm | 6 mm | 6 mm | 6 mm | | 6 mm | 6 mm | 6 mm | 6 mm | 6 mm | 6 mm | |
| **Finishing** | Natural | Natural | Natural | Natural | Natural | | Natural | Natural | Natural | Natural | Natural | Natural | |
| **Skid Resistance** | R10 A+B | R10 A+B | R10 A+B | 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 | Step with grooves | Step with grooves | Step with grooves | |
| **White Satin** | X126350X6 | X123350X6 | X1010350X6 | X600350X6 | X630350X6 | | X370350X6 | X1065350X6 | X670350X6 | X3213350X6 | X3100350X6 | X360350X6 | V2 slightly different tone |
| **Vanilla Lace** | X126351X6 | X123351X6 | *X1010351X6 | X600351X6 | X630351X6 | | X370351X6 | *X1065351X6 | X670351X6 | X3213351X6 | X3100351X6 | X360351X6 | V2 slightly different tone |
| **Shantung Greige** | X126352X6 | X123352X6 | X1010352X6 | X600352X6 | X630352X6 | | X370352X6 | X1065352X6 | X670352X6 | X3213352X6 | X3100352X6 | X360352X6 | V2 slightly different tone |
| **Velvet Brown** | X126353X6 | X123353X6 | *X1010353X6 | X600353X6 | X630353X6 | | X370353X6 | *X1065353X6 | X670353X6 | X3213353X6 | X3100353X6 | X360353X6 | V3 different tone |
| **Black Chiffon** | X126354X6 | X123354X6 | X1010354X6 | X600354X6 | X630354X6 | | X370354X6 | X1065354X6 | X670354X6 | X3213354X6 | X3100354X6 | X360354X6 | V3 different tone |
| **Light Ornament** | X1266350X6 | X1236350X6 | | X606350X6 | | | | | | | | | V2 slightly different tone |
| **Dark Ornament** | X1266354X6 | X1236354X6 | | X606354X6 | | | | | | | | | V3 different tone |
| **Features** | GRIP+ | GRIP+ | GRIP+ | GRIP+ | GRIP+ | | GRIP+ | | | GRIP+ | GRIP+ | GRIP+ | |
| **pieces - box** | 3 | 5 | 2 | 5 | 10 | | 11 | 12 | 15 | 5 | 5 | 8 | |
| **boxes - pallet** | 32 | 40 | 26 | 32 | 40 | | - | - | - | - | - | - | |
| **sqm - box** | 2,16 | 1,8 | 2 | 1,8 | 1,8 | | 0,99 | 0,78 | 0,63 | 1,8 | 1,5 | 1,44 | |
| **sqm - pallet** | 69,12 | 72 | 52 | 57,6 | 72 | | - | - | - | - | - | - | |
| **kg - sqm** | 14,35 | 14,35 | 14,06 | 13,89 | 13,89 | | 1,25 | 0,92 | 0,59 | 5,17 | 4,2 | 2,5 | |
| **kg - box** | 30,996 | 25,83 | 28,12 | 25,002 | 25,002 | | 13,75 | 11,04 | 8,85 | 25,85 | 21 | 20 | |

**Note**

*Production upon request

# 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):

  $\alpha < 6° =$ not classified

  $6° \leq \alpha \leq 10° = R9$

  $10° < \alpha \leq 19° = R10$

  $19° < \alpha \leq 27° = R11$

  $27° < \alpha \leq 35° = R12$

  $\alpha > 35° = R13$

- 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):

  $\alpha < 12° =$ not classified

  $12° \leq \alpha < 18° = A$

  $18° \leq \alpha < 24° = B (A+B)$

  $\alpha \geq 24° = C (A+B+C)$

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 | ≤ 0,5% | ≤ 0,05% |
| sizes | ISO 10545-2 | length and width ± 0,6% max<br>thickness ± 5,0% max<br>linearity ± 0,5% max<br>wedging ± 0,6% max<br>warpage ± 0,5% max | ± 0,2% max<br>± 5,0% max<br>± 0,2% max<br>± 0,2% max<br>± 0,2% max |
| bending strength | ISO 10545-4 | ≥ 35 N/mm² | > 48N/mm² |
| resistance to deep abrasion | ISO 10545-6 | ≤ 175 N/mm³ | ≤ 140 mm³ |
| 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 derivates. | 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 |
| | DIN EN 16165 Annex A | | A+B |

# Certifications

Sensitivity towards ethycal, 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/.**

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/.**

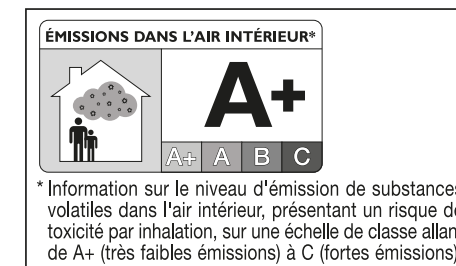## Environmental Information and Labels:

**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.**

ÉMISSIONS DANS L'AIR INTÉRIEUR*

A+
A+ A B C

* 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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