

SPECIFICATIONS of collection: SLABS 6mm RECTIFIED.

Supply of porcelain stoneware Stonepeak ceramics.

1. Product and process features

Porcelain stoneware slabs classifiable as group Impervious P1, frost-proof slabs that resist to chemical attacks, achieved through dry-forming of high-quality mixtures made up of atomized and mixed natural raw materials (kaolin minerals, feldspars).

The slabs ARE MADE IN U.S.A. and are made mechanically resistant through a sintering process at very high temperatures.

2. Compliance with Standards

The material, in compliance with the requirements of American standards ANSI A 137.3: July 2022, ANSI A326.3-2021 and ASTM Section 15 Volume 15.02, must meet the following technical features:

ASTM C373 – 18 (Water absorption)

ASTM C499 – 20 (Facial dimension and Thickness)

ASTM C485 – 16 (Warping)

ASTM C502 – 16 (Wedging)

ASTM C482 – 20 (Dry Bond Strength)

ASTM C1505 – 20 (Breaking Strength and Modulus of Rupture)

ASTM C1895 – 20 (Hardness - Mohs)

ASTM C1026 – 13 (Frost Resistance)

ASTM C650 – 20 (Chemical Resistance)

ASTM C1378 – 20 (Stain Resistance)

ANSI A 326.3 – 2021 (DCOF).

The Quality Control System implemented by the company guarantees the mentioned above features in accordance with UNI-EN-ISO 9001:2015 standards.

The slabs have been checked and evaluated by an independent third-party Body which certifies their compliance to the LEED_BREEAM.

3. Commercial Description of the Product

Company	Stonepeak Ceramics Inc
Glazed / Unglazed	Glazed
Rectified / Unrectified	Rectified
Thickness in mm	6mm

4. Technical features

Chemical Physical	Norms	Required Standards	Results ⁽¹⁾
Water absorption	ASTM C 373 - 18	Impervious ≤0.5 %	≤0.5 %
Thickness Variation	ASTM C 499 - 20	± 0.02 inch	± 0.02 inch
Facial Dimension		± 0.25 %	± 0.25 %
Wedging	ASTM C 502 - 16	± 0.25 %	± 0.25 %
Dry Bond Strength	ASTM C 482 - 20	≥ 150 psi	≥ 150 psi
Breaking Strength	ASTM C 1505 - 20	≥ 175 lbf	≥ 175 lbf
Modulus of Rupture		≥ 6000 psi	≥ 6000 psi
Hardness (Mohs)	ASTM C 1895 - 20	Range 0 - 10	≥ 7 ⁽³⁾
Frost Resistance	ASTM C 1026 - 13 (2018)	No sample must show alterations to surface	No evidence of damage
Chemical Resistance	ASTM C 650 - 20	Range A / E	Class A ⁽⁴⁾
Stain Resistance	ASTM C 1378 - 20	Range A / E	Class A ⁽⁴⁾
Slip Resistance (DCOF)	ANSI A 326.3 – 2021	≥ 0.42	≥ 0.55 for natural plus ≥ 0.42 for natural ⁽²⁾
Aesthetic Classification	Visual Evaluation Shade & Texture	Range V1 / V4	

Note:

(1) -> All values given are for textured/natural finish. Values for different finishes are available upon request.

(2) -> DCOF results referring to textured/natural products are performed with the WET test, while for polished and silky the DCOF test is performed DRY.

The values of dynamic friction coefficient (DCOF) shown in the catalogue, web site or sales documents in general, are merely indicative and non-binding. Any possible specific requirement must be confirmed by us at the order and anyway always before the installation.

(3) -> Mohs result referring to textured/natural finish. For polished/silky finish: ≥ 6

(4) -> Chemical and stain resistance are referring to textured/natural finish. For polished/silky finish, tests are provided on request.