

facade ceramic PLAIN

Technical data sheet

Classification according to EN 14411 ISO 13006 annex G standards Bla with $E \leq 0,5\%$ UGL

Product description

Frost-resistant facade ceramic, made of dry-pressed, double-fired porcelain stoneware. The product is solid-colored and rectified.

The series is available in various formats and many colors. The product is manufactured in the EU.

Areas of application

- As facade cladding (EWI system or ventilated facade system) optionally with factory-applied adhesive coating
- As wall or floor covering in interior or exterior areas
- As stair and terrace cladding

The maximum permissible areas/side lengths according to the general building inspectorate approvals (ABZ) of the facade system manufacturers must be observed. The standard joint width is 8 mm.

Colors & surface texture

The series is characterized by a harmonious monochrome appearance. The surface is matt and has a fine tectonic structure. With eight different color shades, the spectrum is spanned between deep black and pure white, respectively with five color shades between light beige and chocolate brown.

Formats & surfaces

| Standard format | |
|--------------------------------|-------|
| Thickness (mm) | 8,0 |
| Format/nominal size (cm) | 30x60 |
| Surface area (m ²) | 0,18 |

| Special formats | | | |
|--------------------------------|-------|-------|-------|
| Thickness (mm) | 8,0 | | |
| Format/nominal size (cm) | 10x60 | 15x60 | 20x60 |
| Surface area (m ²) | 0,06 | 0,09 | 0,12 |

Standards & directives

| | |
|----------------|---|
| DIN 18157-1 | Execution of ceramic claddings using the thin-bed method |
| DIN EN 12004 | Mortar and adhesive for ceramic tiles and slabs |
| DIN 18352 | Tile and slab work |
| DIN 18515-1 | Exterior wall claddings - Tiles or slabs fixed with mortar |
| DIN 18540 | Sealing of exterior wall joints in building construction with joint sealant |
| DIN 18202 | Dimensional tolerances in building construction |
| DIN EN 14411 | Tolerances for ceramic tiles and slabs |
| ZDB data sheet | Movement joints in claddings and coverings made of tiles and slabs |

Technical specifications

| | | |
|---|--|--|
| Determination of dimensional specifications and surface quality | ISO 10545-2 | in accordance |
| Water absorption | ISO 10545-3 | ≤ 0,5% |
| Bending strength | ISO 10545-4 | in accordance $\sigma_{\text{For}} \geq 42 \text{ N/mm}^2$ |
| Deep scratch resistance | ISO 10545-6 | in accordance 140 mm ³ |
| Thermal linear expansion coefficient | ISO 10545-8 | 7 MK ⁻¹ |
| Thermal shock resistance | ISO 10545-9 | in accordance |
| Expansion in humidity | ISO 10545-10 | in accordance |
| Frost resistance | ISO 10545-12 | in accordance |
| Resistance to chemicals | ISO 10545-13 | in accordance |
| Stain resistance | ISO 10545-14 | classe 5 in accordance |
| Building material class | DIN 4102-1 | A1 non-flammable |
| Slip resistance | DIN 51-130 (XP-P05-010) DIN 51-097 (XP-P05-010) | R10 A |
| Porosity: Pore volume VP Pore radius maximum rP | DIN 66133 | 22,9 – 26,2 mm ³ /g in accordance 0,03 - 0,10 μm |

Processing & care

PDF download of our processing and care instructions available at www.deltaelements.eu.

Customer service

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This technical data sheet replaces the previous version. It provides information about the product properties and fields of application. Delta Elements has compiled all recommendations with due diligence according to the state of the art. Numeric information may deviate within the general tolerances for production technology reasons. The list of standards and directives merely serves as an overview with no claim of completeness. This technical datasheet does not constitute any guarantee in regards to the recommendations provided. Delta Elements assumes no liability and refers to its general business terms and conditions. No rights can be derived from the contents of the technical datasheet. The respective current version and the general business terms and conditions are available at www.deltaelements.eu; printing errors reserved.