

# facade ceramic SLATE

## 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 four 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

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

### Colors & surface texture

The series is modeled on a metamorphosed, tectonically deformed segmental rock. The surface shows an iridescent coloration in which the flowing lines of split rock have been made visible. The surface is matt and rough. The series is available in four colors: "sand", "brown", "grey" and "dark grey", the last mentioned color is based on the original stone.

### Formats & surfaces

| Standard format                |       |
|--------------------------------|-------|
| Thickness (mm)                 | 9     |
| Format/nominal size (cm)       | 30x60 |
| Surface area (m <sup>2</sup> ) | 0,18  |

| Special formats                |      |       |       |       |        |
|--------------------------------|------|-------|-------|-------|--------|
| Thickness (mm)                 | 9    |       |       |       |        |
| Format/nominal size (cm)       | 5x60 | 10x60 | 15x60 | 60x60 | 60x120 |
| Surface area (m <sup>2</sup> ) | 0,03 | 0,06  | 0,09  | 0,36  | 0,72   |

| Special formats                |       |        |
|--------------------------------|-------|--------|
| Thickness (mm)                 | 20    |        |
| Format/nominal size (cm)       | 60x60 | 60x120 |
| Surface area (m <sup>2</sup> ) | 0,36  | 0,72   |

Special formats and other formats on request.

### Standards & directives

|                |                |
|----------------|----------------|
| DIN 18157-1    | DIN 18157      |
| DIN EN 12004   | DIN EN 12004   |
| DIN 18352      | DIN 18352      |
| DIN 18515-1    | DIN 18515-1    |
| DIN 18540      | DIN 18540      |
| DIN 18202      | DIN 18202      |
| DIN EN 14411   | DIN EN 14411   |
| ZDB data sheet | ZDB data sheet |

### 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<br>$F_{Fr} \geq 1300 \text{ N}$<br>$\sigma_{For} \geq 35 \text{ N/mm}^2$ |
| Deep scratch resistance                                         | ISO 10545-6                                        | in accordance<br>$l \leq 32 \text{ mm} / V \leq 175 \text{ mm}$                        |
| Thermal linear expansion coefficient                            | ISO 10545-8                                        | 6 x 10 <sup>-6</sup> /K                                                                |
| 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                                       | in accordance                                                                          |
| Building material class                                         | DIN 4102-1                                         | A1 non-flammable                                                                       |
| Slip resistance                                                 | DIN 51-130 (XP-P05-010)<br>DIN 51-097 (XP-P05-010) | 9 mm: R10 A+B<br>20 mm: R11 A+B+C                                                      |
| Porosity:<br>Pore volume VP<br>Pore radius maximum rP           | DIN 66133                                          | 38,1 - 38,3 mm <sup>3</sup> /g in accordance<br>0,4 - 0,5 µm in accordance             |

### Processing & care

PDF download of our processing and care instructions available on [www.deltaelements.eu](http://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](http://www.deltaelements.eu); printing errors reserved.