

# Technical data sheet

|                                    |                                     |
|------------------------------------|-------------------------------------|
| Product: <b>WAKVK830</b>           | Serie: <b>Cava</b>                  |
| Color: <b>white</b>                | Norm: <b>EN 14411:annex L, BIII</b> |
| Nominal size: <b>30x60 cm</b>      | Declaration: <b>W 13 01</b>         |
| Declared size: <b>598x298x8 mm</b> | Group of goods: <b>wall tile</b>    |
| Edge shaping: <b>rectified</b>     | Product type: <b>wall tile</b>      |
| Surface: <b>flat glossy</b>        |                                     |

| Technical characteristics                | Norm                  | EN 14411:annex L<br>BIII                                   | LB/RAKO  |
|--|-----------------------|--|--|
| Tolerance - Length/width                 | ISO 10545-2           | ± 0,5%   | ± 0,4%   |
| Tolerance - Thickness                    | ISO 10545-2           | ± 10%  | ± 5%   |
| Tolerance - Straightness                 | ISO 10545-2           | ± 0,3%   | ± 0,2%   |
| Tolerance - Rectangularity               | ISO 10545-2           | ± 0,5%   | ± 0,3%   |
| Tolerance - Surface flatness             | ISO 10545-2           | ± 0,5%   | ± 0,25%  |
| Surface quality                          | ISO 10545-2           | Min. 95%   | Min. 95%   |
| Water absorption                         | ISO 10545-3           | E>10%  | E>10%  |
| Breaking strength                        | ISO 10545-4           | >= 7,5 mm min. 600 N<br>< 7,5 mm min. 200 N                | >=600 N  |
| Modulus of rupture                       | ISO 10545-4           | Min. 12 N/mm <sup>2</sup><br>Ind.min. 15 N/mm <sup>2</sup> | Min. 12 N/mm <sup>2</sup><br>Ind.min. 15 N/mm <sup>2</sup> |
| Coefficient of linear thermal expansion  | ISO 10545-8           | Declared value   | Max. 0,000008 / K  |
| Thermal shock resistance                 | ISO 10545-9           | Required   | Resistant  |
| Crazing resistance                       | ISO 10545-11          | Required   | Resistant  |
| Freeze-thaw resistance                   | ISO 10545-12          | Declared value   | Unsatisfactory   |
| Durability for: internal use             | EN 14411              | Pass   | Pass   |
| Bond strength/adhesion-cem. adhesives    | EN 12004:2007+A1:2012 | Declared value   | >=0,5 N/mm <sup>2</sup>                                    |
| Bond strength/adhesion-dispers. adhesiv. | EN 12004:2007+A1:2012 | Declared value   | NPD*   |
| Bond strength/adhesion-rea. resin adhes. | EN 12004:2007+A1:2012 | Declared value   | NPD*   |
| Bond strength/adhesion-mortar            | EN 12004:2007+A1:2012 | Declared value   | NPD*   |
| Moisture expansion                       | ISO 10545-10          | Declared value   | 0,6 mm/m   |
| Light reflectance value LRV              | ISO 10545-18          | Not required   |  |
| Impact resistance: Coef. of restit.      | ISO 10545-5           | Declared value   | Min. 0,6   |
| Reaction to fire                         | no testing 96/603 EHS | Class A1   | Class A1   |
| Resistance to staining                   | ISO 10545-14          | Min. 3   | Min. 3   |
| Resistance to low conc.of acids/alkalis  | ISO 10545-13          | Declared value   | B  |
| Resistance to high conc.of acids/alkalis | ISO 10545-13          | Declared value   | B  |
| Resist. to house. chem. and swim. pool   | ISO 10545-13          | Min. B   | A  |
| Release of dang.subs.: Cadmium (GL)      | ISO 10545-15          | Declared value   | NPD*   |
| Release of dang.subs.: Lead (GL)         | ISO 10545-15          | Declared value   | NPD*   |
| Surface hardness according to Mohs       | EN 101                | Not required   | Min. 3   |
| The reference life (RSL)                 | ISO 14 025/EN 15804   | 50 years   | 50 years   |
| Assessment of nat.radionuclide content   | CZ Imp.422/2016       | Max. index 1,0   | Max. index 1,0   |

\* No Performance Determined – NPD