

# Technical data sheet

Product: **TR22Z061**  
 Color: **dark beige 61 Tunis**  
 Nominal size: **20x20 cm**  
 Declared size: **198x198x14 mm**  
 Surface: **relief matt SR2**

Serie: **Taurus Industrial**  
 Norm: **EN 14411:annex G, Bla**  
 Declaration: **T 21.01**  
 Group of goods: **floor tile sintered UGL**  
 Product type: **fully sintered tile**  
 Certification UPEC: **U4 P4S E3 C2**

| Technical characteristics                 | Norm                  | EN 14411:annex G<br>Bla                                     | LB/RAKO                                                     |
|-------------------------------------------|-----------------------|-------------------------------------------------------------|-------------------------------------------------------------|
| Tolerance - Length/width                  | ISO 10545-2           | ± 0.6%                                                      | ± 0.4%                                                      |
| Tolerance - Thickness                     | ISO 10545-2           | ± 5%                                                        | ± 5%                                                        |
| Tolerance - Straightness                  | ISO 10545-2           | ± 0.5%                                                      | ± 0.25%                                                     |
| Tolerance - Rectangularity                | ISO 10545-2           | ± 0.6%                                                      | ± 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<0.5%, ind. max 0,6%                                       | E<0.3%, ind. max 0,4%                                       |
| Breaking strength                         | ISO 10545-4           | >= 7,5 mm min. 1300 N<br>< 7,5 mm min. 700                  | >=5000 N                                                    |
| Modulus of rupture                        | ISO 10545-4           | Min. 35 N/mm <sup>2</sup><br>Ind. min. 32 N/mm <sup>2</sup> | Min. 40 N/mm <sup>2</sup><br>Ind. min. 32 N/mm <sup>2</sup> |
| Resistance to deep abrasion (UGL)         | ISO 10545-6           | Max. 175 mm <sup>3</sup>                                    | Max. 135 mm <sup>3</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                                              | resistant                                                   |
| Durability for: internal use              | EN 14411              | Pass                                                        | Pass                                                        |
| Slipperiness (bare feet)                  | EN 16165              | Declared value                                              | B                                                           |
| Slipperiness (shod feet)                  | EN 16165              | Declared value                                              | R12                                                         |
| Coefficient of friction (dry)             | EN 16165              | Declared value                                              | >=0,7                                                       |
| Coefficient of friction (wet)             | EN 16165              | Declared value                                              | >=0,6                                                       |
| Discharge volume                          | DIN 51 097            | Declared value                                              | V4                                                          |
| Bond strength/adhesion-cem. adhesives     | EN 12004:2007+A1:2012 | Declared value                                              | >=1,0 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                                              | 0,2 mm/m                                                    |
| Light reflectance value LRV               | ISO 10545-18          | Not required                                                | 40                                                          |
| Impact resistance: Coef. of restit.       | ISO 10545-5           | Declared value                                              | Min. 0,6                                                    |
| Reaction to fire                          | no testing 96/603 EHS | Class A1-A1FL                                               | Class A1-A1FL                                               |
| Tactility                                 | CEN/TS 15209          | Declare<br>surface description                              | not relevant                                                |
| Resistance to staining                    | ISO 10545-14          | Declared value                                              | Min. 3                                                      |
| Resistance to low conc. of acids/alkalis  | ISO 10545-13          | Declared value                                              | A                                                           |
| Resistance to high conc. of acids/alkalis | ISO 10545-13          | Declared value                                              | A                                                           |
| 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                | Declared value                                              | Min. 7                                                      |
| 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