

Technical data sheet

Product: **DAK12588**

Color: **black**

Nominal size: **10x10 cm**

Declared size: **98x98x10 mm**

Edge shaping: **rectified**

Surface: **flat matt**

Serie: **Kaamos**

Norm: **EN 14411:annex G, Bla**

Declaration: **T 21.01**

Group of goods: **floor tile sintered UGL**

Product type: **fully sintered tile**

| Technical characteristics | Norm | EN 14411:annex G 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 < 7,5 mm min. 700 | >=1500 N |
| Modulus of rupture | ISO 10545-4 | Min. 35 N/mm2 Ind.min. 32 N/mm2 | Min. 40 N/mm2 Ind.min. 32 N/mm2 |
| Resistance to deep abrasion (UGL) | ISO 10545-6 | Max. 175 mm3 | Max. 135 mm3 |
| 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 | Satisfactory |
| Durability for: internal use | EN 14411 | Pass | Pass |
| Slipperiness (bare feet) | EN 16165 | Declared value | B |
| Slipperiness (shod feet) | EN 16165 | Declared value | R10 |
| Coefficient of friction (dry) | EN 16165 | Declared value | >=0,6 |
| Coefficient of friction (wet) | EN 16165 | Declared value | >=0,5 |
| Discharge volume | DIN 51 097 | Declared value | Not relevant |
| Bond strength/adhesion-cem. adhesives | EN 12004:2007+A1:2012 | Declared value | >=1,0 N/mm2 |
| 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 | 14 |
| 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 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