

# Technical data sheet

Product: **DAA4H570**  
 Color: **dark grey**  
 Nominal size: **45x45 cm**  
 Declared size: **448x448x8 mm**

Surface: **flat matt**

Serie: **Garda**  
 Norm: **EN 14411:annex G, Bla**  
 Declaration: **T 21.01**  
 Group of goods: **floor tile sintered GL**  
 Product type: **fully sintered tile**

| 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                                      | >=1500 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           | Not required   | Not tested   |
| Resistance to surface abrasion (GL)      | ISO 10545-7           | Declared value   | PEI 3  |
| 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   | A  |
| Slipperiness (shod feet)                 | EN 16165              | Declared value   | R9   |
| 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/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   |  |
| 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          | Min. 3   | 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   | 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                | 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