# Technical data sheet

Product: **DDM05780**
Color: **light grey**
Nominal size: **5x5 cm**
Declared size: **48x48x9 mm**
Edge shaping: **rectified**
Surface: **flat matt/glossy**

Serie: **Block**
Norm: **EN 14411:annex G, Bla**
Declaration: **M 17.01**
Group of goods: **tile sintered UGL - mosaic**
Product type: **mosaic**

| Technical characteristics | Norm | EN 14411:annex G Bla | LB/RAKO |
|---|---|---|---|
| **Tolerance - Length/width** | ISO 10545-2 | ± 0.5 mm | ± 0.5 mm |
| **Tolerance - Thickness** | ISO 10545-2 | ± 0.5 mm | ± 0.5 mm |
| **Tolerance - Length/width of glued set** | ISO 10545-2 | ± 0.6% | ± 0.6% |
| **Tolerance - Joint width** | ISO 10545-2 | ± 1.0 mm | ± 1.0 mm |
| **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 | >=1300 N |
| **Resistance to deep abrasion (UGL)** | ISO 10545-6 | Max. 175 mm3 | Max. 135 mm3 |
| **Resistance to surface abrasion (GL)** | ISO 10545-7 | Not required | |
| **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 | 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 | >=0,5 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 | |
| **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 | Resistant |
| **Resistance to low conc.of acids/alkalis** | ISO 10545-13 | Declared value | Resistant |
| **Resistance to high conc.of acids/alkalis** | ISO 10545-13 | Declared value | Resistant |
| **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