

# Technical data sheet

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| Product: <b>DDM05888</b>         | Serie: <b>Shade</b>                              |
| Color: <b>light grey Gravel</b>  | Norm: <b>EN 14411:annex G, Bla</b>               |
| Nominal size: <b>5x5 cm</b>      | Declaration: <b>M 17.01</b>                      |
| Declared size: <b>48x48x9 mm</b> | Group of goods: <b>tile sintered GL - mosaic</b> |
| Edge shaping: <b>rectified</b>   | Product type: <b>mosaic</b>                      |
| Surface: <b>flat matt ABS</b>    |                                                  |

| Technical characteristics                | Norm                  | EN 14411:annex G<br>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          | >=1300 N            |
| Resistance to deep abrasion (UGL)        | ISO 10545-6           | Not required                   | Not tested          |
| Resistance to surface abrasion (GL)      | ISO 10545-7           | Declared value                 | PEI 4               |
| 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          | Min. 3                         | Min. 3              |
| 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