Technical data sheet

Product: **TDM05019**
Color: **black 19 Black**
Nominal size: **5x5 cm**
Declared size: **48x48x8 mm**
Edge shaping: **rectified**
Surface: **flat matt**

Serie: **Taurus Color**
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 < 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 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