

# Technical data sheet

Product: **TTG35019**  
 Color: **black 19 Black**  
 Nominal size: **30x30 cm**  
 Declared size: **298x298x8 mm**

Serie: **Taurus Color**  
 Norm: **STS**  
 Declaration: **T 13 02**  
 Group of goods: **tile sintered UGL, sp.shape**  
 Product type: **spec.tile-visually handicapped**

Surface: **relief matt**

Technical characteristics	Norm	STS	LB/RAKO
Tolerance - Length/width	ISO 10545-2	± 2,0%	± 2,0%
Tolerance - Thickness	ISO 10545-2	± 10%	± 10%
Tolerance - Straightness	ISO 10545-2	± 0,5%	± 0,5%
Tolerance - Rectangularity	ISO 10545-2	± 0,6%	± 0,3%
Surface quality	ISO 10545-2	Min. 95%	Min. 95%
Water absorption	ISO 10545-3	E<0.5%,ind.max 0,6%	E<0.5%,ind.max 0,6%
Breaking strength	ISO 10545-4	min. 600 N	>=1300 N
Modulus of rupture	ISO 10545-4	Min. 12 N/mm2 Ind.min. 15 N/mm2	Min. 12 N/mm2 Ind.min. 15 N/mm2
Resistance to deep abrasion (UGL)	ISO 10545-6	Max. 275 mm3	Max. 275 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	A
Slipperiness (shod feet)	EN 16165	Declared value	R11
Coefficient of friction (dry)	EN 16165	Declared value	>=0,7
Coefficient of friction (wet)	EN 16165	Declared value	>=0,6
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	TYPE: R4 (S5, WB4, PH3, WT3)
Resistance to staining	ISO 10545-14	No visible changes	No visible changes
Resistance to low conc.of acids/alkalis	ISO 10545-13	Declared value	No visible changes
Resistance to high conc.of acids/alkalis	ISO 10545-13	Declared value	No visible changes
Resist. to house. chem. and swim. pool	ISO 10545-13	Declared value	No visible changes
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