

# Technical data sheet

Product: <b>TAA31145</b>	Serie: <b>Gres</b>
Color: <b>dark grey</b>	Norm: <b>EN 14411:annex G, Bla</b>
Nominal size: <b>30x30 cm</b>	Declaration: <b>T 21.01</b>
Declared size: <b>298x298x7,3 mm</b>	Group of goods: <b>floor tile sintered UGL</b>
	Product type: <b>fully sintered tile</b>
Surface: <b>flat matt standard</b>	

Technical characteristics	Norm	EN 14411:annex G Bla	LB/RAKO
Tolerance - Length/width	ISO 10545-2	± 0.6%	± 0.6%
Tolerance - Thickness	ISO 10545-2	± 5%	± 5%
Tolerance - Straightness	ISO 10545-2	± 0.5%	± 0.5%
Tolerance - Rectangularity	ISO 10545-2	± 0.6%	± 0.6%
Tolerance - Surface flatness	ISO 10545-2	± 0.5%	± 0.5%
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	>= 7,5 mm min. 1300 N < 7,5 mm min. 700	>=700 N
Modulus of rupture	ISO 10545-4	Min. 35 N/mm2 Ind.min. 32 N/mm2	Min. 35N/mm2 Ind.min. 32 N/mm2
Resistance to deep abrasion (UGL)	ISO 10545-6	Max. 175 mm3	Max. 175 mm3
Resistance to surface abrasion (GL)	ISO 10545-7	Declared value	
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	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/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	Min. 1
Resistance to low conc.of acids/alkalis	ISO 10545-13	Declared value	B
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	B
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. 5
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