

**Dry pressed ceramic tiles**  
**with low water absorption  $\leq 0,5\%$ , unglazed**  
**Group Bla DIN EN 14411:2016, Annex G (UGL)**  
**fully vitrified material for interior and exterior pavements**



Made in Germany  
 Tiles are 100% recyclable.  
 The product emits no VOC.  
 Recycling within the production 15%, ratio of purchased recycled raw materials 6%.  
 Proved in German, French and English testing laboratories, audited by AKQR and CSTB.  
 Certified according to DIN EN ISO 9001: 2015  
 Made mostly of local raw materials. Low impact on environment during transport. Transfer distance of raw materials 200 km.

**TECHNICAL DATASHEET**

	Characteristics	Reference	Requirement EN 14411:2016	Value	Note	
	A	Dimensions and surface quality	EN 10545-2		N $\geq$ 15 mm	
	A.1	Length and width		$\pm 0,6 \%$	$\pm 0,3 \%$	
	A.2	Thickness		$\pm 5 \%$	$\pm 2,5 \%$	
	A.3	Straightness of sides		$\pm 0,5 \%$	$\pm 0,25 \%$	
	A.4	Rectangularity		$\pm 0,5 \%$	$\pm 0,25 \%$	
	A.5	Surface flatness		$\pm 0,5 \%$	$\pm 0,25 \%$ diagonally	
	A.6	Surface quality		95%	95%	
	B.1	Water absorption	EN 10545-3	max. 0,5%	max. 0,5%	
	B.2	Breaking strength	EN 10545-4	min. 1300 N	2500 N 5000 N 7500 N	11 mm thickness 15 mm thickness 18 mm thickness
	B.3	Modulus of rupture	EN 10545-4	* min. 35 N/mm <sup>2</sup>	min. 35 N/mm <sup>2</sup>	*when B.2 < 3000 N
	B.4	Resistance to deep abrasion	EN 10545-6	max. 175 mm <sup>3</sup>	max. 175 mm <sup>3</sup>	
	B.5	Coefficient of linear thermal expansion	EN 10545-8	-	$6,57 \cdot 10^{-6} / ^\circ\text{C}$	
	B.6	Thermal shock resistance	EN 10545-9	passed	passed	
	B.8	Frost resistance	EN 10545-12	passed	passed	
	B.9	Slipperiness	DIN 51130	*	R 11	*according to use
	B.11	Moisture expansion	EN 10545-10	-	max.0,05 %	
	B.12	Small colour differences	EN 10545-16	xxxxx	xxxxx	
	B.13	Impact resistance	EN 10545-5	xxxxx	0,83	
	B.14	Reaction to fire	CWT	A1 <sub>FL</sub>	A1 <sub>FL</sub>	
	B.15	Tactility	GENTS 15209	xxxxx	xxxxx	
	C.1	Resistance to staining	EN 10545-14		Minimum class 3	(sealed)
	C.2	Resistance to chemicals	EN 10545-13	Minimum class B	Minimum class B	except HF and its compounds
	C.3	Release of dangerous substances	EN 10545-15	xxxxx	xxxxx	

xxxxx for tiles intended to be used for this purpose