














TECHNICAL SPECIFICATIONS

PORCELAIN FLOOR TILES TECHNICAL CHARACTERISTICS

SYMBOLS	NORMS	TECHNICAL CHARACTERISTICS		REQUIRED VALUES	TEST RESULTS
	ISO 10545-2	Dimensions and surface quality	Length and width (cm)	190 <S< 410 ± 0.75 % S >410 ± 0.6 %	±0,4 %
	ISO 10545-3	Water absorption (%)	Length and width (cm)	% 0.5	±0,5%
	ISO 10545-4	Breaking strenght (Newton)	Thickness ≥ 7,5 mm	S ≥ 1300 N	>1700
			Thickness < 7,5 mm	S ≥ 700 N	-----
		Modulus of rupture (N/mm ²)		R ≥ 35 N/mm ²	>38
	ISO 10545-5	Impact resistance by measurement of coefficient of restitution		Test method available (mg/dm ²)	Affirmative
	ISO 10545-7	Resistance to surface abrasion-intended for use on floors		Reported abrasion class and cycles	Class :1-2-3-4-5
	ISO 10545-11	Determination of linear thermal expansion (100°C)		Test method available	Affirmative
	ISO 10545-12	Frost resistance		Required	GLA/GLB
	ISO 10545-13	Resistance to low concentration of acids and alkalis		Manufacturer to state classification	GLA/GLB
		Resistance to high concentration of acids and alkalis		Test method available	Affirmative
		Resistance to household chemicals and swimming pool salts		Max.GB	Min.GB
	ISO 10545-14	Resistance to stains		Test method available	Min.3
	ISO 10545-15	Lead and cadmium given off by tiles		Test method available	Pb<0,1 Cd<0,01
	EN101	Surface hardness			Min.6
	DIN 51130 DIN 51097 A+B+C	Slip resistance		Where required	R=09-10-11-12-13 CLASS=A-B-C
	DIN 51094	Color resistance to light		Not any noticable color change	Resistant

EN 14411 (ISO 13006) Annex G (normative) Dry pressed ceramic tiles with low water absorption E % 0.5 Group BIa GL