

Porcelain tiles technical features

GLAZED PORCELAIN TILES GRES PORCELLANATO SMALTATO			EXIGO	
			Matte	Polished
Regularity characteristics		ISO 10545-2	Suitable for Conforme	Suitable for Conforme
			Suitable for Conforme	Suitable for Conforme
			Suitable for Conforme	Suitable for Conforme
			Suitable for Conforme	Suitable for Conforme
			Suitable for Conforme	Suitable for Conforme
Structural characteristics		ISO 10545-3	≤ 0,1 %	≤ 0,1 %
		ASTM C 373	≤ 0,5 %	≤ 0,5 %
Bulk mechanical characteristics		ISO 10545-4	S ≥ 1500 N	S ≥ 1500 N
			R ≥ 40 N/mm²	R ≥ 40 N/mm²
		ISO 10545-5	≥ 0,55	≥ 0,55
Surface mechanical characteristics	PEI	ISO 10545-7	PEI 5: Calacatta, Statuario, Carrara PEI 4: Jolie Grey	
Thermal and hygrometric characteristics		ISO 10545-8	≤ 7 MK ⁻¹	≤ 7 MK ⁻¹
		ISO 10545-9	Resistant Resiste	Resistant Resiste
		ISO 10545-10	≤ 0,01% (0,1mm/m)	≤ 0,01% (0,1mm/m)
		ISO 10545-11	Resistant Resiste	Resistant Resiste
		ISO 10545-12	Resistant Resiste	Resistant Resiste
Physical properties		EN 1348	≥ 1,0 N/mm² (Class C2 - EN 12004)	≥ 1,0 N/mm² (Class C2 - EN 12004)
		-	A1 - A1 _{II}	A1 - A1 _{II}
Chemical characteristics		ISO 10545-13	A	A
			LA	LA
		ISO 10545-14	HA	HA
Safety characteristics (1)(2)		DIN EN 16165 ANNEX B (EX DIN 51130)	R10	N.C.
		DIN EN 16165 ANNEX A (EX DIN 51097)	A+B	0
		BS EN 16165 ANNEX C (EX BS 7976)	≥ 36 Dry ≥ 36 Wet	≥ 36 Dry ≤ 24 Wet
		AS 4586	Class P3	-
		UNE EN 16165 ANNEX C (EX UNE 41901 EX:2017)	Class C2	-
		B.C.R.A. Rep. CEC/81	> 0,40 Asciutto > 0,40 Bagnato	> 0,40 Asciutto < 0,40 Bagnato
		ANSI A 326.3	wet DCOF ≥ 0,50	dry DCOF ≥ 0,42