




















TECHNICAL FEATURES

TECHNICAL FEATURES		TESTING METHOD	REQUIRED STANDARDS			PRODUCT VALUES	
						MATTE NOT RECTIFIED	POLISHED/RECTIFIED
  Sizes	EN ISO 10545-2	S > 410	190 < S ≤ 410	S > 410	Conforming	-	
		Length and width	± 0,75%	± 0,6%		± 0,5%	
		Thickness	± 5,0%	± 5,0%		± 3%	
		Straightness	± 0,5%	± 0,5%		± 0,05%	
		Wedging	± 0,6%	± 0,6%		± 0,05%	
		Planarità - Warpage - Planéité	± 0,5%	± 0,5%		± 0,2%	
		Appearance: percentage of acceptable tiles, in the lot	95% min	95% min		Conforming	
 Water absorption %	EN ISO 10545-3	E ≤ 0,5%			Average E < 0,04%		
 Modulus of rupture Breakage resistance	EN ISO 10545-4	Average 35 N/mm ² min.			Average ≥ 50 N/mm ²		
		sp. > 7,5mm: min 1300 N sp. < 7,5mm: min 700 N			-		
 Strength compressive					Media compression resistance (N/mm ²) 351 - (Kg/cm ²) 3578		
 Scratch resistance	EN ISO 10545-6	175 mm ² max			Average < 150 mm ²		
 Thermal expansion coefficient Coefficient	EN ISO 10545-8	≤ 9 MK ⁻¹			6,2 MK ⁻¹		
 Thermal shock resistance	EN ISO 10545-9				Resistant		
 Frost resistance	EN ISO 10545-12	Required			Resistant		
 Resistance to low concentrations of acid and alkaline Resistance to high concentrations of acid and alkaline Resistance to domestic chemicals and additives for swimming pools	EN ISO 10545-13	Following producer's guidelines			Resistant		
					Resistant		
		UB min.			UA		
 Cleanability and mycobacterial					Microbial contamination charge from artificial (u.f.c./cm ²): 10200 Microbial hygiene after charge (u.f.c./cm ²): 0		
 Thermal Conductivity					ca. μ 1W/mk		
 Resistance to water vapor diffusion	DIN EN ISO 12572	ca. μ 120.000			ca. μ 120.000		
 Stain resistance	EN ISO 10545-14	Testing method available			Resistant		
 Brilliance					More or equal to that of marble and granite		
 Color resistance to light	DIN 51094	No noticeable color change			No alteration after testing		
   Friction coefficient (slipperiness)	DIN 51130 - "R" DIN 51097				Landfusione Nat: R9 - Landfusione Ardesia: R12 A+B - Porfido: R11 A+B Marmo Antico: R10 A - B - Medievale: R11 A+B - Pietre: R11 A+B - Contract: R9 R10: R10 A+B - SLR: R11 A+B - Quadri: R11 A+B+C - Roccia: R11 A+B+C Line: R12 A+B+C - Point: R12 A+B+C - Star: R12 A+B+C		
	BOT 3000 (DCOF) ANSI A 137.1 : 2012	WET DCOF ≥ 0,42			Naturale: 0,53 - Roccia: 0,70 - Line: 0,63		
	PENDULUM TESTERS BS 7976-2 : 2012				Naturale: DRY 52 / WET 32 R10: DRY 65 / WET 57 SLR: DRY 68 / WET 60 Roccia: DRY 62 / WET 59 Star: DRY 69 / WET 64		
	Pendolo ENVI 2633:2006				Classe 1: Naturale / Classe 2: R10 Classe 3: SLR, Roccia, Quadri, Point, Star, Line		