




















TECHNICAL FEATURES

TECHNICAL FEATURES		TESTING METHOD	REQUIRED STANDARDS			AVERAGE TYPICAL VALUES
MATTE NOT RECTIFIED						
 	Sizes	EN ISO 10545-2		190 < S ≤ 410	S > 410	Conforming *
			Length and width	± 0,75%	± 0,6%	
			Thickness	± 5,0%	± 5,0%	
			Straightness	± 0,5%	± 0,5%	
			Wedging	± 0,6%	± 0,6%	
			Warpage	± 0,5%	± 0,5%	
			Appearance: percentage of acceptable tiles, per lot	95% min	95% min	
	Water absorption %	EN ISO 10545-3	E ≤ 0,5%			E ~ 0,03% - 0,1%
	Modulus of rupture	EN ISO 10545-4	Average 35 N/mm ² min.			~ 35 N/mm ² - 55 N/mm ²
	Breakage resistance		sp.> 7,5mm: min 1300 N sp.< 7,5mm: min 700 N			Conforming
	Strength compressive					Media compression resistance (N/mm ²) 351 - (Kg/cm ²) 3578
	Scratch resistance	EN ISO 10545-6	175 mm ³ max			~ 150 mm ³
	Thermal expansion 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 alkali	EN ISO 10545-13	Following producer's guidelines			Resistant
	Resistance to high concentrations of acid and alkali					Resistant
	Resistance to domestic chemicals and additi-ves for swimming pools		UB min.			Conforming
	Cleanability and mycobacterial analyzes					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
	Color resistance to light	DIN 51094	No noticeable color change			No alteration after testing
   	Friction coefficient (slipperiness)	DIN 51130 "R" DIN 51097	See on page 132 MARMO ANTICO R10 A +B, B.MEDIEVALI R11 A+B, PORFIDO R11 A+B, PIETRE R11 A+B			
		BOOT 3000 (DCOF) ANSI A 137.1: 2012	WET DCOF ≥ 0,42			Naturale: ≥ 0,42 Roccia, Line, Star, SLR, R10 : ≥ 0,60
		PENDULUM TESTERS BS 7976-2 : 2012	PTV 36+ 4S Wet R10, Rustico, SLR, Roccia, Quadri, Point, Star, Line			
		Pendolo ENV12633	Classe 1: Naturale / Classe 2: R10 Classe 3: Rustico, SLR, Roccia, Quadri, Point, Star, Line			
		BCRA	≥ 0,40 Leather - Dry / ≥ 0,40 Rubber STD - Water			Conforming

* SEE CALIBERS CHART

For specific certificates-Rdp tests, please contact CIPA GRES S.p.A.