



Características Técnicas / Technical Features

# Apuane

QUALITY ITEMS	TECHNICAL FEATURE	STANDARD METHOD ISO	REQUIREMENTS		Values	
			%	mm	%	mm
DIMENSIONS AND SURFACE QUALITY	LENGHT AND WIDTH	UNI EN ISO 10545-2	±0,6%	±2,0	±0,2%	±2,0
	THICKNESS		±5%	±0,5	±5%	±0,5
	STRAIGHTNESS OF SIDES		±0,5%	±1,5	±0,2%	±1,5
	RECTANGULARITY		±0,5%	±2,0	±0,33%	±1,5
	FLATNESS		±0,5%	±2,0	±0,26%	±1,5
	SURFACE QUALITY	A minimum of 95% of the tiles shall be free from visible defects that would impair the appearance of a major area of tiles.			Compliant	
PHISICAL PROPERTIES	WATER ABSORPTION	UNI EN ISO 10545-3	E <sub>a</sub> ≤ 0,5% Individual maximum : 0,6% (absorbed water mass)		Compliant	
	BREAKING STRENGTH	UNI EN ISO 10545-4	Min 1300 N		≥ 1800 N	
	MODULUS OF RUPTURE		R ≥ 35 N/mm <sup>2</sup> Not applicable to tiles with breaking strength ≥ 3000 N		R ≥ 35 N/mm <sup>2</sup>	
	FROST RESISTANCE	UNI EN ISO 10545-12	Required		Compliant	
	COEFFICIENT OF LINEAR THERMAL EXPANSION FROM AMBIENT TEMPERATURE TO 100° C (K <sup>-1</sup> )	ISO 10545-8	Required		6 x 10 <sup>-6</sup> K <sup>-1</sup> max	
	SCRATCH HARDNESS (Mohs scale)	EN 101	Declared by the producer		Min 4 Depending on product	
CHEMICAL PROPERTIES	RESISTANCE TO STAINING	UNI EN ISO 10545-14	Minimum Class 3		4-5	
	RESISTANCE TO HOUSEHOLD CHEMICALS AND SWIMMING POOL SALTS	UNI EN ISO 10545-13	Minimum GB		GA (No visible effect)	
	RESISTANCE TO HIGH AND LOW CONCENTRATIONS OF ACIDS AND ALKALIS		To be reported		GLA - GHA (No visible effect)	
	SLIP RESISTANCE		Declared by the producer		N. A.	