

Artemis JK - Technical Specifications

ISO 13006 - EN 14411 - ISO 10545 Standards

Nominal sizes (cm): 30x30;30x60;60x60; 60x120; 120x120;100x100;120x280	Thickness (mm) : 6 ; 8.8; 20
Sides: rectified	Surface: natural, grip
	Product Group: Bla-UGL

Technical characteristics		Test method	EN 14411 and ISO 13006 requirements	Cercan Tile Average Values
Dimensions	Length and width	ISO 10545-2	±0.6% and ± 2.0mm	Compliant
	Straightness of sides	ISO 10545-2	±0.5% and ± 1.5mm	Compliant
	Rectangularity	ISO 10545-2	±0.5% and ± 2.0mm	Compliant
	Flatness	ISO 10545-2	±0.5% and ± 2.0mm	Compliant
	Thickness	ISO 10545-2	±5% and ± 0.5mm	Compliant
Water absorption		ISO 10545-3	≤ 0.5%	Compliant
Modulus of rupture		ISO 10545-4	≥ 35 N/mm ²	Compliant
Breaking strength (S)		ISO 10545-4	≥ 1300 N	Compliant
Abrasion resistance		ISO 10545-6	Declared class	Compliant
Linear thermal expansion		ISO 10545-8	Declared value	$\alpha \leq 7.1 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$
Thermal shock resistance		ISO 10545-9	No alterations	Resistant
Frost resistance		ISO 10545-12	No alterations	Resistant
Chemical resistance		ISO 10545-13	Declared value	LA – HA
Household chemicals resistance		ISO 10545-13	B min.	A
Stain resistance		ISO 10545-14	Class 3 min.	5
Mohs Hardness		UNI EN 101	5 Min.	7
Slip Resistance		DIN 51130	Declared value	R10; R11(grip, H20)
		DIN 51097	Declared value	B; C (grip, H20)
		ANSI A137.1	Declared value	> 0.42
		B.C.R.A. Rep. CEC/81	Declared value	>0.4
		BS 7976	Declared value	Dry/Wet : >36
Shade variation		ANSI A 137.1	Not required	V2
Fire reaction		UNI EN 13501-1	-	A1 _{FL} class
Thermal Conductivity		EN 12524	Not required	$\lambda = 1.3 \text{ W/m}\cdot\text{K}$
Light and colour fastness		DIN 51094	Not required	No variations