

Sales & Administration

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Ceramica **ARIANA** Quality Department certifies that Series **ANIMA NAT. 60x60 & 30x60 RETT. _9 mm**, Dry - pressed ceramic tiles, full body porcelain, has the following Technical Characteristics:

TECNICAL CHARACTERISTICS	TEST STANDARD UNI EN ISO	PRODUCT STANDARD ISO 13006 EN 14411	Ariana AVERAGE VALUES	
DIMENSIONAL CHARACTERISTICS				
Length and width	10545 - 2	+/- 0,6 % (+/- 2 mm)	+/- 0,6 % (+/- 2 mm)	
Thickness		+/- 5 % (+/- 0,5 mm)	+/- 5 % (+/- 0,5 mm)	
Straightness of sides		+/- 0,5 % (+/- 1,5 mm)	+/- 0,5 % (+/- 1,5 mm)	
Rectangularity		+/- 0,5 % (+/- 2 mm)	+/- 0,5 % (+/- 2 mm)	
Surface flatness		+/- 0,5 % (+/- 2 mm)	+/- 0,5 % (+/- 2 mm)	
PHYSICAL PROPERTIES				
Water absorption	10545 - 3	≤ 0,5 %	≤ 0,3 %	
Breaking strength (N)	10545 - 4	min 1300	≥ 1500	
Modulus of rupture (N/mm ²)		min 35	≥ 45	
Resistance to deep abrasion of unglazed tiles	10545 - 6	Max 175 mm ³	≤ 135 mm ³	
Coefficient of linear thermal expansion (K ⁻¹)	10545 - 8	Test method available	6 x 10 ⁻⁶	
Thermal shock resistance	10545 - 9	Test method available	Resists	
Moisture expansion, (mm/m)	10545 - 10	Test method available	< 0,1	
Crazing resistance	10545 - 11	Required	Resists	
Frost resistance	10545 - 12	Required	Resists	
Shades variation	10545 - 16	-	V2	
Non- slip classification	DIN 51130		R 10	
	ANSI.A137.1:2012		> 0,42	
Fire reaction	EN 13823 EN 9239-1	CPR(UE) 305/2011, 2000/147/CE, UNI EN 13501-1	Class A1 _{fi}	
CHEMICAL PROPERTIES				
Res. to household chemicals and swimming pool salts	10545 - 13	min UB	UA	
Resistant to low concentrations		Acids	Indicated by the manufacturer	ULA
		Alkalis		ULA
Resistant to high concentrations		Acids	Test method available	
	Alkalis			
Resistance to stans	10545 - 14	min 3	complies	

This product complies with all the requirements that appears in the international Standard ISO 13006:2018 annex B1a and European Standard EN 14411:2016



EN 14411 : 2012
DoP nr. 001 GP

Solignano Nuovo, 20/04/2021

Technical Department

