

AENOR TRADE MARK FOR CERAMIC TILES

TECHNICAL FORM: FT41C41P

I D E N T I F I C A T I O N	Lisensee - Factory site:	CERLAT - Castellón	AENOR  Producto Certificado
	Set (s):	AREZZO 22, BOLONIA 22, BOTTICELLI 22, BRESCIA 22, BRINDISI 22, CAGLIARI 22, CASERTA 22, COSENZA 22, GENOVA 22, GOYA 22, LIVORNO 22, NOVARA 22, ORION 22, PALERMO 22, PAVIA 22, RIMINI 22, UDINE 22, VICENZA 22	
	Reference (s):	PV.PC 22.5X22.5, AM201305	
	Product description:	Ceramic tile of 1ª quality, ISO 13006, Bla, 22.5 cm x 22.5 cm (W 224.5 mm x 224.5 mm x 9 mm) GL	
	Brand Name:	CERLAT, MIJARES, SILVERFOX	
	Water absorption group:	Bla	
	Type of glaze:	AG	
	Floor / Wall:	Both	
	Interior / Exterior:	Both	
Colours:	According to manufacturer catalog. Available on web site.		

CERAMIC TILE CHARACTERISTICS		Test method	AENOR required values	Manufacturer assured values
S U R F A C E Q U A L I T Y & D I M E N S I O N S	Dimensions	ISO 10545-2	224.5 ± 1.3 mm	224.5 ± 1.3 mm
			224.5 ± 1.3 mm	224.5 ± 1.3 mm
			N/A	N/A
	Thickness (maximum deviation from the work size thickness)		± 0.5 mm	± 0.5 mm
	Straightness of sides (maximum deviation)		L: ± 0.5 %	L: ± 0.5 %
	Rectangularity (maximum deviation)		A: ± 0.5 %	A: ± 0.5 %
	Surface flatness - Centre curvature (maximum deviation)		L: ± 0.5 %	L: ± 0.5 %
	Surface flatness - Edge curvature (maximum deviation)		A: ± 0.5 %	A: ± 0.5 %
	Warpage (maximum deviation)		L: ± 0.5 %	L: ± 0.5 %
	Surface quality		A: ± 0.5 %	A: ± 0.5 %
				≥ 95 % tiles free from visible defects
P H Y S I C A L P R O P E R T I E S	Water absorption	ISO 10545-3	Eb ≤ 0,5 % Individual max. 0,6 %	Eb ≤ 0,5 % Individual max. 0,6 %
	Breaking strenght	ISO 10545-4	≥ 1300 N	≥ 1300 N
	Flexural resistance or Modulus of rupture		≥ 35 N/mm2 Individual mín. 32 N/mm2	≥ 35 N/mm2 Individual mín. 32 N/mm2
	Resistance to deep abrasion of unglazed tiles	ISO 10545-6	N/A	N/A
	Resistance to surface abrasion of glazed tiles	ISO 10545-7	Class 4 (> 2100 cycles)	Class 4 (> 2100 cycles)
	Coefficient of linear thermal expansion	ISO 10545-8	≤ 6.1 x 10-6/°c	≤ 6.1 x 10-6/°c
	Thermal shock resistance	ISO 10545-9	Pass	Pass
	Crazing resistance	ISO 10545-11	Pass	Pass
	Frost resistance	ISO 10545-12	Pass	Pass
	Slipperiness	Annex A EN 12633	35 < USRB ≤ 45 (CTE Class 2)	35 < USRB ≤ 45 (CTE Class 2)
	Bond strenght/adhesion - cementitious adhesives	4.1 EN 12004	C2 > 1,0 N/mm2	C2 > 1,0 N/mm2
	Bond strenght/adhesion - dispersion adhesives	4.2 EN 12004	N/A	N/A
	Bond strenght/adhesion - reaction resin adhesives	4.3 EN 12004	N/A	N/A
	Bond strenght/adhesion - mortar	EN 1015-12	N/A	N/A
	Moisture expansion	ISO 10545-10	≤ 0,1 mm/m	≤ 0,1 mm/m
Small colour differences	ISO 10545-16	N/A	N/A	
Impact resistance	EN ISO 10545-5	>0.84	>0.84	
Reaction to fire	WT	A1 / AFL1	A1 / AFL1	
Tactility	CEN/TS-15209	N/A	N/A	
P C H E M I C A L S	Resistance to staining - glazed tiles	ISO 10545-14	Minimum Class 3	Class 5
	Resistance to staining - unglazed tiles		N/A	N/A
	Resistance to acids and alkalis of low concentration	ISO 10545-13	GLA	GLA
	Resistance to acids and alkalis of high concentration		GHA	GHA
	Resistance to household cleaning agents and swimming pool chemicals		Minimum Class GB	GA
	Release of cadmium - glazed tiles	ISO 10545-15	N/A	N/A
Release of lead - glazed tiles		N/A	N/A	

NOTES: models can be produced in different calibers, which will be clearly identified in the box of each item. It calls caliber 1 or E when the production size (W) is the same as the indicated size in the technical specification. It will call caliber 100, 200....when the production sizes are increased in 1mm, 2mm and so on from the declared sizes. It will call it caliber 10, 20....when the production sizes decrease in 1mm, 2 mm and so on from the declared sizes.