

## AENOR TRADE MARK FOR CERAMIC TILES

### TECHNICAL FORM: FT41C41P2

<b>I D E N T I F I C A T I O N</b>	Lisensee - Factory site:	<b>CERLAT</b>	 <b>MIJARES</b> <b>CERLAT</b>  <b>AENOR</b> Empresa Registrada (ISO 9001)
	Set (s):	BLANCO 22 VINTAGE	
	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:	<b>CERLAT</b>	
	Water absorption group:	<b>Bla</b>	
	Type of glaze:	<b>AV</b>	
	Floor / Wall:	<b>Floor</b>	
	Interior / Exterior:	<b>Both</b>	
	Colours:	<b>Blanco</b>	

CERAMIC TILE CHARACTERISTICS		Test method	AENOR required values	Manufacturer assured values	
<b>S U R F A C E Q U A L I T Y</b>	Dimensions	ISO 10545-2	224.5 ± 1.3 mm	224.5 ± 1.3 mm	
			Deviation from work size	224.5 ± 1.3 mm	224.5 ± 1.3 mm
			Deviation from average size	N/A	N/A
	Thickness (maximum deviation from the work size thickness)		9 ± 0.5 mm	9 ± 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 %	
	Surface quality		≥ 95 % tiles free from visible defects	≥ 95 % tiles free from visible defects	
<b>P R O P E R T I E S</b>	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 min. 32 N/mm2	≥ 35 N/mm2 Individual min. 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	≤ 6,8 x 10-6/°c	≤ 6,8 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. CTE (Pendulum Test)	Annex A EN 12633	35 < USRB ≤ 45 (Clase CTE 2)	35 < USRB ≤ 45 (Clase CTE 2)	
	Slipperiness. Critical Slip Angle (Ramp test)	DIN 51130	R10	R10	
	Slipperiness. Critical Slip Angle (Ramp test)	DIN 51097	A	A	
	Bond strenght/adhesion - cementitious adhesives	4.1 EN 12004	C2 (≥ 1N/mm2)	C2 (≥ 1N/mm2)	
	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	≥ 0,81	≥ 0,81		
Reaction to fire	WT	A1FL	A1FL		
Tactility	CEN/TS-15209	N/A	N/A		
<b>P R O P E R T I E S</b>	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	ISO 10545-15	N/A	N/A		

NOTES: