

AENOR TRADE MARK FOR CERAMIC TILES

TECHNICAL FORM: FTP502020

I D E N T I F I C A T I O N	Lisensee - Factory site:	CERLAT - Castellón	 CERLAT  Empresa Registrada ISO 9001
	Set (s):	BASIC L50	
	Reference (s):	AM201305	
	Product description:	Ceramic tile of 1ª quality, ISO 13006, Bla, 49.2 cm x 9.9 cm (W 491.5 mm x 98.8 mm x 9.2 mm) GL	
	Brand Name:	CERLAT, MIJARES, SILVERFOX	
	Water absorption group:	Bla	
	Type of glaze:	AÑ	
	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
SURFACE QUALITY & DIMENSIONS	Dimensions	Deviation from work size	ISO 10545-2	491.5 ± 2 mm	491.5 ± 2 mm
				98.8 ± 0.9 mm	98.8 ± 0.9 mm
		Deviation from average size		N/A	N/A
	Thickness (maximum deviation from the work size thickness)			N/A	N/A
	Straightness of sides (maximum deviation)			± 0.5 mm	± 0.5 mm
	Rectangularity (maximum deviation)			L: ± 0.3 %	L: ± 0.3 %
	Surface flatness - Centre curvature (maximum deviation)			A: ± 0.8 %	A: ± 0.8 %
	Surface flatness - Edge curvature (maximum deviation)			L: ± 0.4 %	L: ± 0.4 %
	Warpage (maximum deviation)			A: ± 0.8 %	A: ± 0.8 %
				L: ± 0.4 %	L: ± 0.4 %
				A: ± 0.8 %	A: ± 0.8 %
				L: ± 0.4 %	L: ± 0.4 %
				A: ± 0.8 %	A: ± 0.8 %
	Surface quality			≥ 95 % tiles free from visible defects	≥ 95 % tiles free of visible defects
PHYSICAL PROPERTIES	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	Clase 2 (> 600 cycles)	Clase 2 (> 600 cycles)
	Coefficient of linear thermal expansion		ISO 10545-8	≤ 7,0 x 10-6/°C	≤ 7,0 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	15 < USRB ≤ 35 (CTE Class 1)	15 < USRB ≤ 35 (CTE Class 1)
	Slipperiness. Critical Slip Angle (Ramp test)		DIN 51130	R9	R9
	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 - cementitious adhesives		4.1 EN 12004	C > 0,5 N/mm2	C > 0,5 N/mm2
	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	>0.55	>0.55
	Reaction to fire		WT	A1 / AFL1	A1 / AFL1
	Tactility		CEN/TS-15209	N/A	N/A
	CHEMICALS	Resistance to staining - glazed tiles		ISO 10545-14	Minimum Class 3
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: