

AENOR TRADE MARK FOR CERAMIC TILES

TECHNICAL FORM: FT622025

IDENTIFICATION	Lisensee - Factory site:	CERLAT	 MIJARES  CERLAT  AENOR  Empresa Registrada ISO 9001
	Set (s):	BRUNEI L25	
	Reference (s):	6.5X25, AM201302	
	Product description:	Ceramic tile of 1ª quality, ISO 13006, BIII, 25 cm x 6.5 cm (W 250 mm x 65 mm x 7 mm) GL	
	Brand Name:	CERLAT	
	Water absorption group:	BIII	
	Type of glaze:	AP	
	Floor / Wall:	Wall	
	Interior / Exterior:	Exterior	
	Colours:	According to manufacturer catalog. Available on web site.	

CERAMIC TILE CHARACTERISTICS			Test method	AENOR required values	Manufacturer assured values
SURFACE QUALITY & DIMENSIONALITY	Dimensions	Deviation from work size	ISO 10545-2	250 ± 1.3 mm	250 ± 1.3 mm
				65 ± 0.8 mm	65 ± 0.8 mm
		Deviation from average size		N/A	N/A
				N/A	N/A
	Thickness (maximum deviation from the work size thickness)			7 ± 0.5 mm	7 ± 0.5 mm
	Straightness of sides (maximum deviation)			L: ± 0.3 %	L: ± 0.3 %
	Rectangularity (maximum deviation)			A: ± 0.8 %	A: ± 0.8 %
	Surface flatness - Centre curvature (maximum deviation)			L: ± 0.5 %	L: ± 0.5 %
	Surface flatness - Edge curvature (maximum deviation)			A: ± 1.2 %	A: ± 1.2 %
	Surface flatness - Centre curvature (maximum deviation)			L: +0.5% -0.3%	L: +0.5% -0.3%
	Surface flatness - Edge curvature (maximum deviation)			A: +1.2% -0.8%	A: +1.2% -0.8%
	Surface flatness - Edge curvature (maximum deviation)			L: +0.5% -0.3%	L: +0.5% -0.3%
	Warpage (maximum deviation)			A: +1.2% -0.8%	A: +1.2% -0.8%
Surface quality		L: ± 0.5 %	L: ± 0.5 %		
		A: ± 1.2 %	A: ± 1.2 %		
		≥ 95 % tiles free from visible defects	≥ 95 % tiles free from visible defects		
PHYSICAL PROPERTIES	Water absorption		ISO 10545-3	Eb > 10 % Individual min. 9%	Eb > 10 % Individual min. 9%
	Breaking strenght		ISO 10545-4	≥ 200 N	> 600 N
	Flexural resistance or Modulus of rupture			>15 N/mm2	>15 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	N/A	N/A
	Coefficient of linear thermal expansion		ISO 10545-8	6.0 x 10-6/°C	6.0 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	N/A	N/A
	Slipperiness. Critical Slip Angle (Ramp test)		DIN 51130	N/A	N/A
	Slipperiness. Critical Slip Angle (Ramp test)		DIN 51097	N/A	N/A
	Bond strenght/adhesion - cementitious adhesives		4.1 EN 12004	C1 (≥ 0.5 N/mm2)	C1 (≥ 0.5 N/mm2)
	Bond strenght/adhesion - mortar		EN 1015-12	N/A	N/A
	Moisture expansion		ISO 10545-10	≤ 0,3 mm/m	≤ 0,3 mm/m
	Small colour differences		ISO 10545-16	N/A	N/A
	Impact resistance		EN ISO 10545-5	N/A	N/A
	Reaction to fire		WT	A1	A1
	Tactility		CEN/TS-15209	N/A	N/A
CHEMICALS	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: