


AENOR TRADE MARK FOR CERAMIC TILES

TECHNICAL FORM: FTP222020

I D E N T I F I C A T I O N	Lisensee - Factory site:	CERLAT - Castellón	 AENOR Producto Certificado
	Set (s):	AROSA HEX, DORTMUND HEX, ESSEN HEX, GINEBRA HEX, LIEJA HEX, LUGANO HEX, MALINAS HEX, ODESA HEX, ROTTERDAM HEX, SPLIT HEX	
	Reference (s):	HEX PV.PC 22.5X25.9, AM201305	
	Product description:	Ceramic tile of 1ª quality, ISO 13006, Bla, 25.9 cm x 22.5 cm (W 259.9 mm x 225.5 mm x 9 mm) GL	
	Brand Name:	CERLAT	
	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 P R O P E R T Y & Q U A L I T Y	Dimensions	ISO 10545-2	259.9 ± 1.6 mm	259.9 ± 1.6 mm	
			225.5 ± 1.4 mm	225.5 ± 1.4 mm	
	Deviation from work size		N/A	N/A	
	Deviation from average size		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	≥ 95 % tiles free of visible defects	
P R H Y S I C A L P R O P E R T Y 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	C > 0,5 N/mm2	C > 0,5 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	CENTS-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	ISO 10545-15	N/A	N/A		

NOTES: Anti-Slip property - DIN 51130 : R10