

AENOR

AENOR Product Certificate Ceramic tiles



B70/000041

AENOR certifies that the organization

AZULEJOS EL MIJARES, S.L.

registered office AV ONDA, 36 12210 RIBESALBES (Castellon - España)

supplies Ceramic tiles

in compliance with ISO 13006:2012
UNE-EN 14411:2013 (EN 14411:2012)

Nº Technical Form 00101035
Characteristics Specified in Annex to the Certificate

Production site CR ONDA-RIBESALBES, KM. 5 12200 ONDA (Castellon - España)

Certification scheme In order to grant this Certificate, AENOR has tested the product and has verified the quality system implemented for its manufacture. AENOR performs these tasks periodically while the Certificate has not been cancelled, in accordance with Specific Rules RP B70.01.

First issued on 2019-03-01
Validity date 2024-03-01

A handwritten signature in blue ink, appearing to read 'Rafael GARCÍA MEIRO'.

Rafael GARCÍA MEIRO
Chief Executive Officer

Original Electronic Certificate

AENOR INTERNACIONAL S.A.U.
Génova, 6. 28004 Madrid. España
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AENOR TRADE MARK FOR CERAMIC TILES

TECHNICAL FORM: 00101035

I D E N T I F I C A T I O N	Lisensee - Factory site:	AZULEJOS EL MIJARES - CERLAT - Castellón		AENOR  Certified Product
	Set (s):	AREZZO 22, BOLONIA 22, BOTTICELLI 22, BRESCIA 22, CASERTA 22, GENOVA 22, GOYA 22, LIVORNO 22, NOVARA 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, EN 14411, 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 &	Dimensions	Deviation from work size	EN ISO 10545-2	224,5 ± 1,3 mm	224,5 ± 1,3 mm
		Deviation from average size		224,5 ± 1,3 mm	224,5 ± 1,3 mm
	Thickness (maximum deviation from the work size thickness)			N/A	N/A
	Straightness of sides (maximum deviation)			N/A	N/A
	Rectangularity (maximum deviation)			± 0,5 mm	± 0,5 mm
	Surface flatness - Centre curvature (maximum deviation)			L: ± 0,5 %	L: ± 0,5 %
	Surface flatness - Edge curvature (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 %
	Warpage (maximum deviation)			A: ± 0,5 %	A: ± 0,5 %
	Surface quality			≥ 95 % tiles free from visible defects	≥ 95 % tiles free of visible defects
	P H Y S I C A L P R O P E R T I E S	Water absorption		EN ISO 10545-3	Eb ≤ 0,5 % Individual max. 0,6 %
Breaking strenght		EN 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		EN ISO 10545-6	N/A	N/A	
Resistance to surface abrasion of glazed tiles		EN ISO 10545-7	Class 4 (> 2100 cycles)	Class 4 (> 2100 cycles)	
Coefficient of linear thermal expansion		EN ISO 10545-8	≤ 6.1 x 10-6/°c	≤ 6.1 x 10-6/°c	
Thermal shock resistance		EN ISO 10545-9	Pass	Pass	
Crazing resistance		EN ISO 10545-11	Pass	Pass	
Frost resistance		EN 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		EN ISO 10545-10	≤ 0,1 mm/m	≤ 0,1 mm/m	
Small colour differences		EN 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 E S	Resistance to staining - glazed tiles		EN 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		EN 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		EN 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.

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	Type of glaze:	AG	
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	Straightness of sides (maximum deviation)			N/A	N/A
	Rectangularity (maximum deviation)			± 0,5 mm	± 0,5 mm
	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 %
				L: ± 0,5 %	L: ± 0,5 %
				A: ± 0,5 %	A: ± 0,5 %
				≥ 95 % tiles free from visible defects	≥ 95 % tiles free of 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 %
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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	
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Bond strenght/adhesion - mortar		EN 1015-12	N/A	N/A	
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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	
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