

AENOR

AENOR Product Certificate Ceramic tiles



B70/000037

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 00101031
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.

This certificate supersedes B70/000037, dated 2017-11-08

First issued on 2017-11-08
Modified on 2019-03-01
Validity date 2024-03-01

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: 00101031


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):	BELLVILLE	
	Reference (s):	PV.PC 30X60, AM201305	
	Product description:	Ceramic tile of 1ª quality, EN 14411, Bla, 60 cm x 30 cm (W 600 mm x 300 mm x 10 mm) GL	
	Brand Name:	CERLAT, MIJARES, SILVERFOX	
	Water absorption group:	Bla	
	Type of glaze:	AD	
	Floor / Wall:	Floor	
	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 D I M E N S I O N S & Q U A L I T Y	Dimensions	Deviation from work size	EN ISO 10545-2	600 ± 2 mm	600 ± 2 mm
		Deviation from average size		300 ± 1,8 mm	300 ± 1,8 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: ± 0,3 %		L: ± 0,3 %	
	Surface flatness - Edge curvature (maximum deviation)	A: ± 0,5 %		A: ± 0,5 %	
	Warpage (maximum deviation)	L: ± 0,3 %		L: ± 0,3 %	
	Surface quality	A: ± 0,5 %		A: ± 0,5 %	
				≥ 95 % tiles free from visible defects	≥ 95 % tiles free of visible defects
P R O P E R T I E S	Water absorption	EN ISO 10545-3	Eb ≤ 0,5 % Individual max. 0,6 %	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 3 (> 750 cycles)	Class 4 (12000 cycles)	
	Coefficient of linear thermal expansion	EN ISO 10545-8	≤ 6,8 x 10-6/°c	≤ 6,8 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	15 < USRB ≤ 35 (CTE Class 1)	15 < USRB ≤ 35 (CTE Class 1)	
	Bond strenght/adhesion - cementitious adhesives	4.1 EN 12004	C2 > 1 N/mm2	C2 > 1 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	≥ 0,65	≥ 0,65		
Reaction to fire	WT	A1FL	A1FL		
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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	Water absorption group:	Bla	
	Type of glaze:	AD	
	Floor / Wall:	Floor	
	Interior / Exterior:	Both	
	Colours:	According to manufacturer catalog. Available on web site.	

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S U R F A C E D I M E N S I O N S & Q U A L I T Y	Dimensions	Deviation from work size	ISO 10545-2	600 ± 2 mm	600 ± 2 mm
		Deviation from average size		300 ± 1,8 mm	300 ± 1,8 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: ± 0,3 %	L: ± 0,3 %
	Surface flatness - Edge curvature (maximum deviation)			A: ± 0,5 %	A: ± 0,5 %
	Warpage (maximum deviation)			L: ± 0,3 %	L: ± 0,3 %
	Surface quality			A: ± 0,5 %	A: ± 0,5 %
				L: ± 0,3 %	L: ± 0,3 %
				A: ± 0,5 %	A: ± 0,5 %
P R 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 %	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 3 (> 750 cycles)	Class 4 (12000 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
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	Slipperiness		Annex A EN 12633	15 < USRB ≤ 35 (CTE Class 1)	15 < USRB ≤ 35 (CTE Class 1)
	Bond strenght/adhesion - cementitious adhesives		4.1 EN 12004	C2 > 1 N/mm2	C2 > 1 N/mm2
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	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	≥ 0,65	≥ 0,65	
Reaction to fire		WT	A1FL	A1FL	
Tactility		CEN/TS-15209	N/A	N/A	
P C H E M I C A L E 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			N/A	N/A

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