













TECHNICAL SPECIFICATIONS	
QUALITY LABORATORY	
MODEL	CALACATTA WHITE 29.8x60cm 12x24"60x60cm 24x24"

BODY TYPE	PORCELAIN RECTIFIED Group Bib - GLOSS
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Body Technical Specifications		TEST METHOD	Standard Value	Value 1ª Quality
	Length and Width	ISO 10545-2 ASTM C499	+/- 0.6 %	600 +/- 0.05%(mm)
	Thickness	ISO 10545-2 ASTM C499	+/- 5 %	10 +/- 1.01% (mm)
	Straightness of sides	ISO 10545-2 ASTM C485	+/- 0.5 %	Max +/- 0.1%
	Surface Planarity	ISO 10545-2 ASTM C485	+/- 0.5 %	Max +/- 0.1%
	Squareness/Rectangularity	ISO 10545-2 ASTM C502	+/- 0.6 %	
	Water Absorption	ISO 10545-3 ASTM C373	0.5%<E ≤ 3 %	pass
	Bending Strength	ISO 10545-4 ASTM C648	S ≥ 1100 N	pass
	Modulus of Rupture	ISO 10545-3 ASTM C482	R ≥ 35 N/mm ²	pass
	Frost Resistance	ISO 10545-12 ASTM C1026	Required	RESIST
	Linear Thermal Expansion Coefficient	ISO 10545-8 ASTM C372	9*10 ⁻⁶ K ⁻¹ max.	1.7*10 ⁻⁶ K ⁻¹








Technical Specifications of Surface		TEST METHOD	Standard Value	Value 1ª Quality
	Slipperiness	UNE-ENV-12633	CLASS 0 /1 /2 /3	CLASS 0
	Surface Abrasion Resistance (PEI)	ISO 10545-7	I - V	IV
	Surface Hardness (MOHS Scale)	UNE 67-101	0 - 10	4
	Acids and Alkalis Resistance	ISO 10545-13 ASTM C650	Declared Value	GLA/GHA
	Cracking resistance	ISO 10545-11	Required	RESIST
	Staining Resistance	ISO 10545-14 ASTM CTI 81-7	> 3	5
	Surface Quality	ISO 10545-2	>95 %	OK

GOODS ARE IN CONFORMITY WITH ISO 13006 STANDARDS

TECHNICAL SPECIFICATIONS	
QUALITY LABORATORY	
MODEL	CALACATTA GOLD 29.8x60cm 12x24"60x60cm 24x24"

BODY TYPE	GLAZED PORCELAIN RECTIFIED Group Blb - GLOSSY
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Body Technical Specifications		TEST METHOD	Standard Value	Value 1ª Quality
	Length and Width	ISO 10545-2 ASTM C499	+/- 0.6 %	600 +/- 0.05%(mm)
	Thickness	ISO 10545-2 ASTM C499	+/- 5 %	10 +/- 1.01% (mm)
	Straightness of sides	ISO 10545-2 ASTM C485	+/- 0.5 %	Max +/- 0.1%
	Surface Planarity	ISO 10545-2 ASTM C485	+/- 0.5 %	Max +/- 0.1%
	Squareness/Rectangularity	ISO 10545-2 ASTM C502	+/- 0.6 %	
	Water Absorption	ISO 10545-3 ASTM C373	0.5% < EB ≤ 3%	pass
	Bending Strength	ISO 10545-4 ASTM C648	S ≥ 1100 N	pass
	Modulus of Rupture	ISO 10545-3 ASTM C482	R ≥ 35 N/mm ²	pass
	Frost Resistance	ISO 10545-12 ASTM C1026	Required	RESIST
	Linear Thermal Expansion Coefficient	ISO 10545-8 ASTM C372	9*10 ⁻⁶ K ⁻¹ max.	1.7*10 ⁻⁶ K ⁻¹








Technical Specifications of Surface		TEST METHOD	Standard Value	Value 1ª Quality
	Slipperiness	UNE-ENV-12633	CLASS 0 / 1 / 2 / 3	CLASS 0
	Surface Abrasion Resistance (PEI)	ISO 10545-7	I - V	IV
	Surface Hardness (MOHS Scale)	UNE 67-101	0 - 10	4
	Acids and Alkalis Resistance	ISO 10545-13 ASTM C650	Declared Value	GLA/GHA
	Crazing resistance	ISO 10545-11	Required	RESIST
	Staining Resistance	ISO 10545-14 ASTM CTI 81-7	> 3	5
	Surface Quality	ISO 10545-2	>95 %	OK

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TECHNICAL SPECIFICATIONS	
QUALITY LABORATORY	
MODEL	CALACATTA-M WHITE 29.8x60cm 12x24"60x60cm 24x24"

BODY TYPE	PORCELAIN RECTIFIED Group Bla - MATT
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Body Technical Specifications		TEST METHOD	Standard Value	Value 1ª Quality
	Length and Width	ISO 10545-2 ASTM C499	+/- 0.6 %	600 +/- 0.05%(mm)
	Thickness	ISO 10545-2 ASTM C499	+/- 5 %	10 +/- 1.01% (mm)
	Straightness of sides	ISO 10545-2 ASTM C485	+/- 0.5 %	Max +/- 0.1%
	Surface Planarity	ISO 10545-2 ASTM C485	+/- 0.5 %	Max +/- 0.1%
	Squareness/Rectangularity	ISO 10545-2 ASTM C502	+/- 0.6 %	
	Water Absorption	ISO 10545-3 ASTM C373	EB ≤ 0.5 %	pass
	Bending Strength	ISO 10545-4 ASTM C648	S ≥ 1300 N	pass
	Modulus of Rupture	ISO 10545-3 ASTM C482	R ≥ 35 N/mm ²	pass
	Frost Resistance	ISO 10545-12 ASTM C1026	Required	RESIST
	Linear Thermal Expansion Coefficient	ISO 10545-8 ASTM C372	9*10 ⁻⁶ K ⁻¹ max.	1.7*10 ⁻⁶ K-1








Technical Specifications of Surface		TEST METHOD	Standard Value	Value 1ª Quality
	Slipperiness	UNE-ENV-12633	CLASS 0/ 1 /2 /3	CLASS 1
		DIN 51130	R9/ R10/ R11/ R12	R9
		DCOF ANSI A137.1:2012	> 0.42W	0.45
	Surface Abrasion Resistance (PEI)	ISO 10545-7	I - V	IV
	Surface Hardness (MOHS Scale)	UNE 67-101	0 - 10	5
	Acids and Alkalis Resistance	ISO 10545-13 ASTM C650	Declared Value	GLA/GHA
	Crazing resistance	ISO 10545-11	Required	RESIST
	Staining Resistance	ISO 10545-14 ASTM CTI 81-7	> 3	5
	Surface Quality	ISO 10545-2	>95 %	OK

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TECHNICAL SPECIFICATIONS	
QUALITY LABORATORY	
MODEL	CALACATTA-M WHITE 29.8x60cm 12x24"60x60cm 24x24"

BODY TYPE	GLAZED PORCELAIN RECTIFIED Group Bla - MATT
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Body Technical Specifications		TEST METHOD	Standard Value	Value 1ª Quality
	Length and Width	ISO 10545-2 ASTM C499	+/- 0.6 %	600 +/- 0.05%(mm)
	Thickness	ISO 10545-2 ASTM C499	+/- 5 %	10 +/- 1.01% (mm)
	Straightness of sides	ISO 10545-2 ASTM C485	+/- 0.5 %	Max +/- 0.1%
	Surface Planarity	ISO 10545-2 ASTM C485	+/- 0.5 %	Max +/- 0.1%
	Squareness/Rectangularity	ISO 10545-2 ASTM C502	+/- 0.6 %	
	Water Absorption	ISO 10545-3 ASTM C373	EB ≤ 0.5 %	pass
	Bending Strength	ISO 10545-4 ASTM C648	S ≥ 1300 N	pass
	Modulus of Rupture	ISO 10545-3 ASTM C482	R ≥ 35 N/mm ²	pass
	Frost Resistance	ISO 10545-12 ASTM C1026	Required	RESIST
	Linear Thermal Expansion Coefficient	ISO 10545-8 ASTM C372	9*10 ⁻⁶ K ⁻¹ max.	1.7*10 ⁻⁶ K-1

Technical Specifications of Surface		TEST METHOD	Standard Value	Value 1ª Quality
	Slipperiness	UNE-ENV-12633	CLASS 0/ 1 /2 /3	CLASS 1
		DIN 51130	R9/ R10/ R11/ R12	R9
		DCOF ANSI A137.1:2012	> 0.42W	0.45
	Surface Abrasion Resistance (PEI)	ISO 10545-7	I - V	IV
	Surface Hardness (MOHS Scale)	UNE 67-101	0 - 10	5
	Acids and Alkalis Resistance	ISO 10545-13 ASTM C650	Declared Value	GLA/GHA
	Crazing resistance	ISO 10545-11	Required	RESIST
	Staining Resistance	ISO 10545-14 ASTM CTI 81-7	> 3	5
	Surface Quality	ISO 10545-2	>95 %	OK

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