

TECHNICAL SHEET PSO RLSO BOTTICCINO BEIGE 45X45 EXT 2.03

Quality assurance					
EVALUATED CHARACTERISTICS	TEST METHOD	NORM ISO 13006 REQUIREMENTS (BIIb)	RESULT	CONCLUSION	
	DIMENSIO	NS AND SURFACE QUALITY	7		
* Length and Width, mm Manufacturing Size: 451.0 mm Average Size: 451.7 mm	ISO 10545-2	± 0.6%; ± 2.0mm	(%) (mm) 0.16 0.70	Comply	
* Thickness, mm Manufacturing: 7.5 mm Average result: 7.7 mm	ISO 10545-2	± 5.0%; ± 0.5mm	2.92 0.22	Comply	
 * Straightness of sides, % * Rectangularity, % * Surface flatness 	ISO 10545-2 ISO 10545-2	± 0.5%; ± 1.5mm ± 0.5%; ± 2.0mm	0.10 0.44 0.18 0.81	Comply Comply	
Edge curvature, % Centre curvature, %	ISO 10545-2	± 0.5%; ± 2.0mm ± 0.5%; ± 2.0mm	0.15 0.00 0.67 0.00 0.17 0.00 1.10 0.00 0.12 0.07 0.00 0.11	Comply Comply	
Warpage, % * Surface quality, %	ISO 10545-2	± 0.5%; ± 2.0mm A minimum of 95 % of the tiles are to be free from visible defects which	0.13 -0.07 0.80 -0.44 95.6%	Comply	
	100 10043-2	can impair the appearance of a major area of tiles	33.078	Comply	
	РНҮ	SICAL PROPERTIES		-	
* Water absorption (E_v), %	ISO 10545-3	$6 \% < E_v \le 10 \%$ Individual maximum 11 %	6.5 6.6	Comply Comply	
* Breaking strength, N (Thickness ≥ 7.5 mm)	ISO 10545-4	Not less than 800	812	Comply	
* Modulus of rupture, N/mm ² * Abrasion resistance - CU	ISO 10545-4 ISO 10545-7	Minimum 18 Individual minimum 16 Report abrasion class and cycles	27 25 Class 3	Comply Comply	
* Crazing resistance	ISO 10545-11	passed Required	Cycles 1500 No crazing	- Comply	
		-			
		MICAL PROPERTIES		1	
 * Resistance to staining Green Oxide Iodo Olive oil 	ISO 10545-14 ISO 10545-14 ISO 10545-14	Minimum class 3 Minimum class 3 Minimum class 3	Class 5 Class 5 Class 5	Comply Comply Comply	
 * Resistance to low concentrations of acids and alkalis - 3% Hydrochloric Acid (V / V) - Potassium hydroxide, 30 g / I 		Manufacturer is to state classification	LA LA		
 * Resistance to high concentrations of acids and alkalis 18% Hydrochloric Acid (V / V) Potassium hydroxide, 100 g / I * Resistance to household chemicals and 	ISO 10545-13	Test method available	НА НА		
 Resistance to household chemicals and swimming pool salts Ammonium Chloride 100 g / I Sodium hypochlorite, 20 mg / I 	ISO 10545-13	Minimum B	A A	Comply Comply	
Dry-pressed ceramic tiles 6 % < E_v =	cation, Characterist 10 % Group BII _b	NAL STANDARD, ISO 13006 ics and marking", Annex k (normative), f the inevitable variations typical of cera			
DATE OF ISSUE		Friday, December 03, 2021			
Prepared by: Quality Supervisor		Reviewed	Reviewed by: Manager Quality Assurance		
Elio Baldera Chapoñan			Marlene Chauca R.		



TECHNICAL SHEET PSO RLSO BOTTICCINO HUESO 45X45 EXT 2.03

Quality assurance				-	
EVALUATED CHARACTERISTICS	TEST METHOD	NORM ISO 13006 REQUIREMENTS (BIIb)	RESULT	CONCLUSION	
	DIMENSIO	NS AND SURFACE QUALITY	2		
* Length and Width, mm			(%) (mm)		
Manufacturing Size:451.0 mmAverage Size:452.3 mm	ISO 10545-2	± 0.6%; ± 2.0mm	0.28 1.27	Comply	
* Thickness, mm Manufacturing: 7.5 mm					
Average result: 7.8 mm	ISO 10545-2	± 5.0%; ± 0.5mm	3.87 0.29	Comply	
* Straightness of sides, %	ISO 10545-2	± 0.5%; ± 1.5mm	0.10 0.47	Comply	
* Rectangularity, %* Surface flatness	ISO 10545-2	± 0.5%; ± 2.0mm	0.20 0.90	Comply	
Edge curvature, %		± 0.5%; ± 2.0mm	0.13 0.00 0.58 0.00	Comply	
Centre curvature, %	ISO 10545-2	± 0.5%; ± 2.0mm	0.13 0.00 0.80 0.00	Comply	
Warpage, %	ISO 10545-2	± 0.5%; ± 2.0mm	0.14 0.00 0.90 0.00	Comply	
* Surface quality, %	ISO 10545-2	A minimum of 95 % of the tiles are to be free from visible defects which can impair the appearance of a major area of tiles	96.0%	Comply	
	PHY	SICAL PROPERTIES			
* Water absorption (E_v), %	ISO 10545-3	6 % < E _v ≤ 10 %	6.8	Comply	
	ISO 10545-4	Individual maximum 11 %	6.9	Comply	
* Breaking strength, N (Thickness ≥ 7.5 mm)	130 10545-4	Not less than 800	877	Comply	
* Modulus of rupture, N/mm ²	ISO 10545-4	Minimum 18	28	Comply	
* Abrasion resistance - CU	ISO 10545-7	Individual minimum 16 Report abrasion class and cycles	26 Class 3	Comply	
		passed	Cycles 1500	-	
* Crazing resistance	ISO 10545-11	Required	No crazing	Comply	
	CHE	MICAL PROPERTIES			
* Resistance to staining					
- Green Oxide	ISO 10545-14	Minimum class 3	Class 5	Comply	
- lodo	ISO 10545-14	Minimum class 3	Class 5	Comply	
- Olive oil	ISO 10545-14	Minimum class 3	Class 5	Comply	
 Resistance to low concentrations of acids and alkalis 					
- 3% Hydrochloric Acid (V / V)		Manufacturar is to state algoritization	LA	-	
- Potassium hydroxide, 30 g / I		Manufacturer is to state classification	LA	-	
* Resistance to high concentrations of acids	ISO 10545-13				
and alkalis					
- 18% Hydrochloric Acid (V / V)		To stars the discussion is	HA	-	
- Potassium hydroxide, 100 g / I		Test method available	НА	-	
* Resistance to household chemicals and					
swimming pool salts					
- Ammonium Chloride 100 g / I			А	Comply	
- Sodium hypochlorite, 20 mg / I	ISO 10545-13	Minimum B	A	Comply	
Dry-pressed ceramic tiles 6 % < $E_v \le$	ation, Characterist 10 % Group BII _b	NAL STANDARD, ISO 13006 ics and marking", Annex k (normative), f the inevitable variations typical of cera		•	
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