

EVALUATED CHARACTERISTICS	TEST METHOD	NORM ISO 13006 REQUIREMENTS (BIIB)	RESULT	CONCLUSION
<b>DIMENSIONS AND SURFACE QUALITY</b>				
* 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, %	ISO 10545-2	± 0.5%; ± 1.5mm	0.10 0.44	Comply
* Rectangularity, %	ISO 10545-2	± 0.5%; ± 2.0mm	0.18 0.81	Comply
* Surface flatness Edge curvature, % Centre curvature, % Warpage, %	ISO 10545-2	± 0.5%; ± 2.0mm	0.15 0.00 0.67 0.00 0.17 0.00 1.10 0.00 0.13 -0.07 0.80 -0.44	Comply Comply 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	95.6%	Comply
<b>PHYSICAL PROPERTIES</b>				
* Water absorption ( $E_v$ ), %	ISO 10545-3	6 % < $E_v$ ≤ 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 <sup>2</sup>	ISO 10545-4	Minimum 18 Individual minimum 16	27 25	Comply Comply
* Abrasion resistance - CU	ISO 10545-7	Report abrasion class and cycles passed	Class 3 Cycles 1500	-
* Craze resistance	ISO 10545-11	Required	No crazing	Comply
<b>CHEMICAL PROPERTIES</b>				
* 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 / l	ISO 10545-13	Manufacturer is to state classification	LA LA	- -
* Resistance to high concentrations of acids and alkalis - 18% Hydrochloric Acid (V / V) - Potassium hydroxide, 100 g / l			HA HA	- -
* Resistance to household chemicals and swimming pool salts - Ammonium Chloride 100 g / l - Sodium hypochlorite, 20 mg / l	ISO 10545-13	Minimum B	A A	Comply Comply
<p>Requirements verified as indicated in the INTERNATIONAL STANDARD, ISO 13006 "Ceramic Tiles - Definitions, Classification, Characteristics and marking", Annex k (normative), Table k,1. Dry-pressed ceramic tiles 6 % &lt; <math>E_v</math> ≤ 10 % Group BIIB<sub>0</sub> The weight, tone and dimensions are subject to some of the inevitable variations typical of ceramic firing processes.</p>				
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<b>Prepared by: Quality Supervisor</b>		<b>Reviewed by: Manager Quality Assurance</b>		
Elio Baldera Chapañan		Marlene Chauca R.		

EVALUATED CHARACTERISTICS	TEST METHOD	NORM ISO 13006 REQUIREMENTS (BIIB)	RESULT	CONCLUSION
<b>DIMENSIONS AND SURFACE QUALITY</b>				
* Length and Width, mm Manufacturing Size: 451.0 mm Average Size: 452.3 mm	ISO 10545-2	± 0.6%; ± 2.0mm	(%)      (mm) 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, %	ISO 10545-2	± 0.5%; ± 2.0mm	0.20      0.90	Comply
* Surface flatness Edge curvature, % Centre curvature, % Warpage, %	ISO 10545-2	± 0.5%; ± 2.0mm	0.13   0.00   0.58   0.00 0.13   0.00   0.80   0.00 0.14   0.00   0.90   0.00	Comply Comply 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
<b>PHYSICAL PROPERTIES</b>				
* Water absorption ( $E_v$ ), %	ISO 10545-3	6 % < $E_v$ ≤ 10 % Individual maximum 11 %	6.8 6.9	Comply Comply
* Breaking strength, N (Thickness ≥ 7.5 mm)	ISO 10545-4	Not less than 800	877	Comply
* Modulus of rupture, N/mm <sup>2</sup>	ISO 10545-4	Minimum 18 Individual minimum 16	28 26	Comply Comply
* Abrasion resistance - CU	ISO 10545-7	Report abrasion class and cycles passed	Class 3 Cycles 1500	-
* Craze resistance	ISO 10545-11	Required	No crazing	Comply
<b>CHEMICAL PROPERTIES</b>				
* 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 / l	ISO 10545-13	Manufacturer is to state classification	LA LA	- -
* Resistance to high concentrations of acids and alkalis - 18% Hydrochloric Acid (V / V) - Potassium hydroxide, 100 g / l			HA HA	- -
* Resistance to household chemicals and swimming pool salts - Ammonium Chloride 100 g / l - Sodium hypochlorite, 20 mg / l	ISO 10545-13	Minimum B	A A	Comply Comply
<p>Requirements verified as indicated in the INTERNATIONAL STANDARD, ISO 13006 "Ceramic Tiles - Definitions, Classification, Characteristics and marking", Annex k (normative), Table k, 1. Dry-pressed ceramic tiles 6 % &lt; <math>E_v</math> ≤ 10 % Group BIIB<sub>0</sub> The weight, tone and dimensions are subject to some of the inevitable variations typical of ceramic firing processes.</p>				
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