

EVALUATED CHARACTERISTICS	TEST METHOD	NORM ISO 13006 REQUIREMENTS (BIIB)	RESULT	CONCLUSION
DIMENSIONS AND SURFACE QUALITY				
* Length and Width, mm Manufacturing Size: 451.0 mm Average Size: 450.6 mm	ISO 10545-2	± 0.6%; ± 2.0mm	(%) -0.09	(mm) -0.40 Comply
* Thickness, mm Manufacturing: 7.5 mm Average result: 7.4 mm	ISO 10545-2	± 5.0%; ± 0.5mm	-1.33	-0.10 Comply
* Straightness of sides, %	ISO 10545-2	± 0.5%; ± 1.5mm	0.11	0.50 Comply
* Rectangularity, %	ISO 10545-2	± 0.5%; ± 2.0mm	-0.13	-0.60 Comply
* Surface flatness Edge curvature, %		± 0.5%; ± 2.0mm	0.16	0.00 0.70 0.00 Comply
Centre curvature, %	ISO 10545-2	± 0.5%; ± 2.0mm	0.22	0.00 1.40 0.00 Comply
Warpage, %	ISO 10545-2	± 0.5%; ± 2.0mm	0.13	0.00 0.80 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	98.5%	Comply
PHYSICAL PROPERTIES				
* Water absorption (E _v), %	ISO 10545-3	6 % < E _v ≤ 10 % Individual maximum 11 %	7.1 7.3	Comply Comply
* Breaking strength, N (Thickness ≥ 7.5 mm)	ISO 10545-4	Not less than 800	1083	Comply
* Modulus of rupture, N/mm ²	ISO 10545-4	Minimum 18 Individual minimum 16	32 30	Comply Comply
* Abrasion resistance - CU	ISO 10545-7	Report abrasion class and cycles passed	Class 4 Cycles 2100	-
* Crazeing resistance	ISO 10545-11	Required	No crazeing	Comply
CHEMICAL PROPERTIES				
* Resistance to staining - Green Oxide	ISO 10545-14	Minimum class 3	Class 5	Comply
- Iodo	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) - Potassium hydroxide, 30 g / l		Manufacturer is to state classification	LB LA	- -
* Resistance to high concentrations of acids and alkalis - 18% Hydrochloric Acid (V / V) - Potassium hydroxide, 100 g / l	ISO 10545-13	Test method available	HB 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 % < E_v ≤ 10 % Group BIIB₆ The weight, tone and dimensions are subject to some of the inevitable variations typical of ceramic firing processes.</p>				
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DIMENSIONS AND SURFACE QUALITY				
* Length and Width, mm			(%) (mm)	
Manufacturing length: 403.0 mm	ISO 10545-2	± 0.6%; ± 2.0mm	0.24 0.95	Comply
Average length: 404.0 mm				
Manufacturing width: 253.0 mm	ISO 10545-2	± 0.6%; ± 2.0mm	0.23 0.58	Comply
Average width: 253.6 mm				
* Thickness, mm				
Manufacturing: 6.5 mm	ISO 10545-2	± 5.0%; ± 0.5mm	4.99 0.32	Comply
Average result: 6.8 mm				
* Straightness of sides, %	ISO 10545-2	± 0.5%; ± 1.5mm	-0.07 -0.30	Comply
* Rectangularity, %	ISO 10545-2	± 0.5%; ± 2.0mm	0.12 0.50	Comply
* Surface flatness				Comply
Edge curvature, %				
Length:	ISO 10545-2	± 0.5%; ± 2.0mm	0.10 -0.02 0.40 -0.10	
Width:	ISO 10545-2	± 0.5%; ± 2.0mm	0.12 -0.04 0.30 -0.10	
Centre curvature, %	ISO 10545-2	± 0.5%; ± 2.0mm	0.17 0.00 0.80 0.00	Comply
Warpage, %	ISO 10545-2	± 0.5%; ± 2.0mm	0.08 -0.06 0.40 -0.30	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	98.1%	Comply
PHYSICAL PROPERTIES				
* Water absorption (E _v), %	ISO 10545-3	6 % < E _v ≤ 10 % Individual maximum 11 %	7.4 7.3	Comply Comply
* Breaking strength, N (Thickness < 7.5 mm)	ISO 10545-4	Not less than 500	727	Comply
* Modulus of rupture, N/mm ²	ISO 10545-4	Minimum 18 Individual minimum 16	29 27	Comply Comply
* Craze resistance	ISO 10545-11	Required	No crazing	Comply
CHEMICAL PROPERTIES				
* Resistance to staining				
- Green Oxide	ISO 10545-14	Minimum class 3	Class 5	Comply
- Iodo	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)	ISO 10545-13	Manufacturer is to state classification	LB	-
- Potassium hydroxide, 30 g / l			LA	-
* Resistance to high concentrations of acids and alkalis				
- 18% Hydrochloric Acid (V / V)	ISO 10545-13	Test method available	HB	-
- Potassium hydroxide, 100 g / l			HA	-
* Resistance to household chemicals and swimming pool salts				
- Ammonium Chloride 100 g / l	ISO 10545-13	Minimum B	A	Comply
- Sodium hypochlorite, 20 mg / l			A	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 % < E_v ≤ 10 % Group BIIB₆ The weight, tone and dimensions are subject to some of the inevitable variations typical of ceramic firing processes.</p>				
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