



Technical Characteristic KAI/KOS

ОДУ 16.07.05(7/0)

Model Piraeus
Internal code: 9087,9088
Type Porcelain Tiles GL,
Group BIa, Nominal size 300/600 mm

Characteristics Group BIa, Annex G	Tolerance EN 14411:2012, %	Tolerance EN14411:2012,mm	Request values	Measured in KAI laboratory	Testing method
1. Length/width, mm	$\pm 0.6/\text{max} \pm 2\text{mm}$	$\pm 1.80/\pm 2.00$	300 x 600	299.8 - 301.1mm 599.0 - 601.4mm	EN ISO 10545-2
2. Thickness, mm	$\pm 5/\text{max} \pm 0.5\text{mm}$	± 0.37	7.45 ± 0.37 mm	7.3 - 7.6 mm	EN ISO 10545-2
3. Straightness of sides, mm	$\pm 0.5/\text{max} \pm 1.5\text{mm}$	$\pm 1.50/\pm 1.50$	$\pm 1.40/\pm 1.40$	-0.12 - +0.56 mm	EN ISO 10545-2
4. Rectangularity, mm	$\pm 0.5/\text{max} \pm 2\text{mm}$	$\pm 1.50/\pm 2.00$	$\pm 1.40/\pm 1.80$	-0.23 - +0.65 mm	EN ISO 10545-2
5. Centre curvature, mm	$\pm 0.5/\text{max} \pm 2\text{mm}$	± 2.0	± 1.50	+0.26 - +1.01 mm	EN ISO 10545-2
6. Edge curvature, mm	$\pm 0.5/\text{max} \pm 2\text{mm}$	$\pm 1.50/\pm 2.00$	$\pm 1.40/\pm 1.80$	+0.10 - +0.86 mm	EN ISO 10545-2
7. Warpage, mm	$\pm 0.5/\text{max} \pm 2\text{mm}$	± 2.00	± 1.50	-0.12 - +0.42 mm	EN ISO 10545-2
8. Surface quality	$\geq 95\%$ without defects	$\geq 95\%$ without defects	$\geq 98\%$ without defects	Pass	EN ISO 10545-2
9. Water absorption, %	$\leq 0,5\%$ Individual $\leq 0,6\%$	$\leq 0,5\%$ Individual $\leq 0,6\%$	$\leq 0,5\%$	0.11 - 0.25%	EN ISO 10545-3
10. Modulus of rupture, N/mm ²	$\geq 35\text{N/mm}^2$ individual $\geq 32\text{N/mm}^2$	$\geq 35\text{N/mm}^2$ individual $\geq 32\text{N/mm}^2$	$\geq 35\text{N/mm}^2$	Average: 48.7 N/mm ²	EN ISO 10545-4
11. Determination of surface abrasion for glazed tiles	the class of abrasive resistance and the number of cycles are declared by producer	the class of abrasive resistance and the number of cycles are declared by producer	Declared value	9087 - 3/750 9088 - 2/600	EN ISO 10545-7
12. Craze resistance, glazed tiles	Pass according to EN ISO 10545-1	Pass according to EN ISO 10545-1	Pass according to EN ISO 10545-1	Resistant	EN ISO 10545-11
13. Resistance for household chemicals and swimming pool salts	Min class B	Min class B	Min class B	GA	EN ISO 10545-13
14. Resistance to the low concentration acids and alkalis	Declared value	Declared value	Declared value	GLA	EN ISO 10545-13
15. Resistance to the high concentration acids and alkalis	Declared value	Declared value	Declared value	GHA	EN ISO 10545-13
16. Stain resistance	Declared value	Declared value	Min class 3	class 5	EN ISO 10545-14
17. Frost resistance	Pass according to EN ISO 10545-1	Pass according to EN ISO 10545-1	Pass according to EN ISO 10545-1	Resistant	EN ISO 10545-12
18. Slipperiness	Declared value	Declared value	Declared value	PTV 36+ Dry PTV 0-24 Wet	CEN/TS 16165

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QC: Daniela Vasileva

