

	Technical Characteristic KAI/KOS	ODU 16.07.05(9/0)
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Model “Gioia”
Internal code: 4993
Type: Ceramic Wall Decoration Tiles
Group BIII, 244x744x9 mm

Characteristics Group BIII, Annex L	Tolerance EN 14411:2016, %	Tolerance EN14411:2016, mm	Request values	Measured in KAI laboratory	Measured in KAI laboratory
1. Length and /width mm	±0.5/max±2mm	±1.25/±2.00	244 x 744	R 244x744	EN ISO 10545-2
2. Thickness mm	±10/max±0.5mm	±0.50	9.0 ± 0.50 mm	9.0 – 9.2 mm	EN ISO 10545-2
3. Straightness of sides mm	±0.3/max±1.5mm	±0.75/±1.50	±0.75/±1.50	-0.10 - +0.37 mm	EN ISO 10545-2
4. Rectangularity, mm	±0.5/max±2mm	±1.25/±2.00	±1.25/±2.00	-0.45 - +0.19 mm	EN ISO 10545-2
5. Centre curvature, mm	0.5/-0.3%/ max 2.0/-1.5mm	2.00/-1.50	CC – 0.6 mm; CV + 1.8 mm	+0.91 - +1.34 mm	EN ISO 10545-2
6. Edge curvature, mm	0.5/-0.3%/ max 2.0/-1.5mm	1.25/-0.75 2.00/-1.50	CC – 0.6 mm; CV + 1.8 mm	+0.33 - +1.43 mm	EN ISO 10545-2
7. Warpage, mm	±0.5/max ±2.0mm	±2.00	CC – 0.6 mm; CV + 1.8 mm	-0.51 - +0.67 mm	EN ISO 10545-2
8. Surface quality	≥95% without defects	≥95% without defects	≥98% without defects	Pass	EN ISO 10545-2
9. Water absorption, %	Eb>10%	Eb>10%	Eb>10%	15.80 – 16.30 %	EN ISO 10545-3
10. Modulus of rupture, N/mm ²	≥12 N/mm ²	≥12 N/mm ²	≥12 N/mm ²	Average: 30 N/mm ²	EN ISO 10545-4
11. Breaking strength, N	≥ 600N	≥ 600N	≥ 600N	Average: 972N	EN ISO 10545-4
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	Min class 3	Min class 3	Min class 5	class 5	EN ISO 10545-14
17. MOHS	Declared value	Declared value	Declared value	3.5	EN 101:1991

Date: 11.08.2025

