



Technical Characteristic KAI/KOS

ОДУ 16.07.05(7/0)

**Model ACACIA,  
Internal code: 8991; 8992; 8993; 8994  
Type Porcelain Tiles GL,  
Group BIa, Nominal size 155/605 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	$\pm 0.6/\text{max} \pm 2\text{mm}$	$\pm 0.93/\pm 2.0$	155 x 605	155.0 – 155.4 mm 605.2 – 606.8 mm	EN ISO 10545-2
2. Thickness, mm	$\pm 5/\text{max} \pm 0.5\text{mm}$	$\pm 0.45$	$\pm 0.30$ mm	8.9 – 9.0 mm	EN ISO 10545-2
3. Straightness of sides, mm	$\pm 0.5/\text{max} \pm 1.5\text{mm}$	$\pm 0.78/\pm 1.50$	$\pm 0,60/\pm 1.40$	-0.10 – +0.35 mm	EN ISO 10545-2
4. Rectangularity, mm	$\pm 0.5/\text{max} \pm 2\text{mm}$	$\pm 0.78/\pm 2.0$	$\pm 0,60/\pm 1.70$	-0.23- +0.52 mm	EN ISO 10545-2
5. Centre curvature, mm	$\pm 0.5/\text{max} \pm 2\text{mm}$	$/\pm 2.0$	$\pm 1.50$	-0.05 – +0.89mm	EN ISO 10545-2
6. Edge curvature, mm	$\pm 0.5/\text{max} \pm 2\text{mm}$	$\pm 0.78/\pm 2.0$	$\pm 0,60/\pm 1.70$	-0.09 – +0.70 mm	EN ISO 10545-2
7. Warpage, mm	$\pm 0.5/\text{max} \pm 2\text{mm}$	$\pm 2.0$	$\pm 1.50$	-0.11 – +0.45 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 $\leq 0,6\%$	$\leq 0,5\%$	0.03 – 0.17%	EN ISO 10545-3
10. Modulus of rupture, N/mm <sup>2</sup>	$\geq 35\text{N/mm}^2$ 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: 52.5 N/mm <sup>2</sup>	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	8991 – 2/600 8992 – 3/750 8993 – 3/750 8994 – 4/600	EN ISO 10545-7
12. Thermal shock 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 10545-9
13. 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
14. Resistance for household chemicals and swimming pool salts	Min class B	Min class B	Min class B	GA	EN ISO 10545-13
15. Resistance to the low concentration acids and alkalis	Declared value	Declared value	Declared value	GLA	EN ISO 10545-13
16. Resistance to the high concentration acids and alkalis	Declared value	Declared value	Declared value	GHA	EN ISO 10545-13
17. Stain resistance	Declared value	Declared value		class 5	EN ISO 10545-14

			Min class 3		
18. 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
19. Slipperiness	Declared value	Declared value	Declared value	PTV 36+ Dry PTV 25-35 Wet	CEN/TS 16165

Date: 20.10.2016.

QC: 