



**Technical Characteristic KAI/KOS  
FISA TEHNICA**

ODU  
16.07.05(9/0)

**Model "Santana"  
Internal code: 9322KY  
Type Porcelain Tiles GL  
Group B1a, Nominal size 300x600 mm**

Characteristics/Caracteristici Group B1a, Annex G	Tolerance EN 14411:2016, %	Tolerance EN14411:2016, mm	Request values/Valori conform standard	Measured in KAI laboratory/Masuratori in laborator Kai	Testing method/Metoda de lucru
1. Length/width Lungime/Latime, mm	±0.6/max±2mm	±1.80/±2.00	300 x 600	1K   297,6x597,6	EN ISO 10545-2
				2K   298,8x598,6	
				3K   300,0x600,0	
				4K   301,2x601,2	
				5K   302,4x602,4	
2.Thickness Grosimea, mm	±5/max±0.5mm	±0.42	8.5±0.42 mm	8.3 – 8.5 mm	EN ISO 10545-2
3. Straightness of sides Liniaritatea muchiei,mm	±0.5/max±1.5mm	±1.50/±1.50	±1.40/±1.40	-0.51 – +0.33 mm	EN ISO 10545-2
4. Rectangularity Rectangularitate, mm	±0.5/max±2mm	±1.50/±2.00	±1.40/±1.80	-0.59 – +0.78 mm	EN ISO 10545-2
5. Centre curvature Curbura centrala, mm	±0.5/max±2mm	±2.0	±1.50	-0.40 – +0.67 mm	EN ISO 10545-2
6. Edge curvature Curbura laterala, mm	±0.5/max±2mm	±1.50/±2.00	±1.40/±1.80	-0.45 – +0.60 mm	EN ISO 10545-2
7. Warpage Deformarea, mm	±0.5/max±2mm	±2.00	±1.50	-0.63 – +0.66 mm	EN ISO 10545-2
8. Surface quality Calitatea suprafetei	≥95% without defects	≥95% without defects	≥98% without defects	Pass	EN ISO 10545-2
9. Water absorption Absorbția de apă, %	≤0,5% Individual ≤0,6%	≤0,5% Individual ≤0,6%	≤0,5%	0.06 – 0.12 %	EN ISO 10545-3
10. Modulus of rupture Rezistența mecanică, N/mm <sup>2</sup>	≥35N/mm <sup>2</sup> individual≥32N/mm <sup>2</sup>	≥35N/mm <sup>2</sup> individual≥32N/mm <sup>2</sup>	≥35N/mm <sup>2</sup>	Average: 63 N/mm <sup>2</sup>	EN ISO 10545-4
11. Breaking strength Forța de rupere, N	≥1300N	≥ 1300N	≥ 1300N	Average: 2137 N	EN ISO 10545-4
12. Determination of surface abrasion for glazed tiles/Rezistența la abraziune	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	4/2100	EN ISO 10545-7
13. Crazing resistance, glazed tiles/Resistența la crapături pentru plăci glazurate	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/Rezistenta la solutiile de uz casnic si saruriel de piscina	Min class B	Min class B	Min class B	GA	EN ISO 10545-13
15. Resistance to the low concentration acids and alkalis/Rezistenta la acizi si baze de concentratie slaba	Declared value	Declared value	Declared value	GLA	EN ISO 10545-13
16. Resistance to the high concentration acids and alkalis/Rezistenta la acizi si baze de concentratie mare	Declared value	Declared value	Declared value	GHA	EN ISO 10545-13
17. Stain resistance Rezistenta la patare	Min class 3	Min class 3	Min class 3	class 5	EN ISO 10545-14
18. Frost resistance Rezistenta la inghet	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 Rezistenta la alunecare	Declared value	Declared value	Declared value	PTV 36+ Dry PTV 36+ Wet	BS 7976
20. Slipperiness Rezistenta la alunecare	Declared value	Declared value	Declared value	R9	DIN 51130
21. MOHS Rezistenta la zgariere	Declared value	Declared value	Declared value	9	EN 101:1991

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