



**Technical Characteristic KAI/KOS  
FISA TEHNICA**

ODU  
16.07.05(9/0)

**Model "Santana"  
Internal code: 9331  
Type Porcelain Tiles GL  
Group BIa, Nominal size 600x600 mm**

Characteristics/Caracteristici Group BIa, 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	±2.00	600 x 600	1K	597.6x597.6	EN ISO 10545-2
				2K	598.8x598.8	
				3K	600.0x600.0	
				4K	601.2x601.2	
				5K	602.4x602.4	
2.Thickness/ Grosimea, mm	±5/max±0.5mm	±0.50	8.5 ± 0.42 mm	8.4 – 8.6 mm		EN ISO 10545-2
3. Straightness of sides /Liniaritatea muchiei, mm	±0.5/max±1.5mm	±1.50	±1.20 mm	-0.47 – +0.21 mm		EN ISO 10545-2
4. Rectangularity/ Rectangularitate, mm	±0.5/max±2mm	±2.00	±1.10 mm	-0.60 – +0.71 mm		EN ISO 10545-2
5. Centre curvature/ Curbura centrala, mm	±0.5/max±2mm	±2.00	±1.50 mm	-0.24 – +0.27 mm		EN ISO 10545-2
6. Edge curvature/ Curbura laterala, mm	±0.5/max±2mm	±2.00	±1.20 mm	-0.51 – +0.25 mm		EN ISO 10545-2
7. Warpage/ Deformarea, mm	±0.5/max±2mm	±2.00	±1.50 mm	-0.56 – +0.70 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 apa, %	≤0,5% Individual ≤0,6%	≤0,5% Individual ≤0,6%	≤0,5%	0.06 – 0.15 %		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: 57 N/mm <sup>2</sup>		EN ISO 10545-4
11. Breaking strength /Forța de rupere, N	≥1300	≥1300	≥1300	Average: 2290 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	4/12000		EN ISO 10545-7
13. Craze resistance, glazed tiles/ Resistența la crăpături 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	Min class B	Min class B	Min class B	GA		EN ISO 10545-13

and swimming pool salts/ Rezistentă la solutiile de uz casnic și sărurile de piscină					
15. Resistance to the low concentration acids and alkalis/ Rezistentă la acizi și baze de concentrație slabă	Declared value	Declared value	Declared value	GLA	EN ISO 10545-13
16. Resistance to the high concentration acids and alkalis/ Rezistentă la acizi și baze de concentrație mare	Declared value	Declared value	Declared value	GHA	EN ISO 10545-13
17. Stain resistance/ Rezistentă la patare	Min class 3	Min class 3	Min class 3	class 5	EN ISO 10545-14
18. Frost resistance /Rezistentă la îngheț	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/ Rezistentă la alunecare	Declared value	Declared value	Declared value	PTV 36+ Dry PTV 36+ Wet	BS 7976
20. Slipperiness/ Rezistentă la alunecare	Declared value	Declared value	Declared value	R10	DIN 51130
21. MOHS/Rezistentă la zgariere	Declared value	Declared value	Declared value	9	EN 101:1991

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