



**Technical Characteristic KAI/KOS
FISA TEHNICA**

ODU
16.07.05(9/0)

Model "Gres SP"

Internal code: 6422KA

Type Porcelain Tiles UGL

Group B1a, Nominal size 333x333x7.0 mm

Characteristics/Caracteristici Group B1a, Annex G	Tolerance EN 14411:2016, %	Tolerance EN14411:2016, mm	Request values/Valori conform standard	Measured in KAI laboratory/Masura tori in laborator Kai	Testing method/Metoda de lucru
1. Length/width Lungime/Latime, mm	$\pm 0.6/\max \pm 2\text{mm}$	± 2.00	333x333	1K 330,6x330,6	EN ISO 10545-2
				2K 331,8x331,8	
				3K 333,0x333,0	
				4K 334,2x334,2	
				5K 335,4x335,4	
2. Thickness Grosimea, mm	$\pm 5/\max \pm 0.5\text{mm}$	± 0.35	$7.0 \pm 0.35\text{ mm}$	6.9 – 7.1 mm	EN ISO 10545-2
3. Straightness of sides Liniaritatea muchiei, mm	$\pm 0.5/\max \pm 1.5\text{mm}$	± 1.50	$\pm 1.30\text{ mm}$	+0.12 – +0.32 mm	EN ISO 10545-2
4. Rectangularity Rectangularitate, mm	$\pm 0.5/\max \pm 2\text{mm}$	± 1.67	$\pm 1.40\text{ mm}$	-0.05 – +0.62 mm	EN ISO 10545-2
5. Centre curvature Curbura centrala, mm	$\pm 0.5/\max \pm 2\text{mm}$	± 2.00	$\pm 1.50\text{ mm}$	-0.13 – +0.26 mm	EN ISO 10545-2
6. Edge curvature Curbura laterala, mm	$\pm 0.5/\max \pm 2\text{mm}$	± 1.67	$\pm 1.40\text{ mm}$	-0.14 – +0.23 mm	EN ISO 10545-2
7. Warpage Deformarea, mm	$\pm 0.5/\max \pm 2\text{mm}$	± 2.00	$\pm 1.50\text{ mm}$	-0.40 – +0.29 mm	EN ISO 10545-2
8. Surface quality Calitatea suprafetei	$\geq 95\%$ without defects	$\geq 95\%$ without defects	$\geq 98\%$ without defects	Pass	EN ISO 10545-2
9. Water absorption Absorbția de apa, %	$\leq 0,5\%$ Individual $\leq 0,6\%$	$\leq 0,5\%$ Individual $\leq 0,6\%$	$\leq 0,5\%$	0.06 – 0.11 %	EN ISO 10545-3
10. Modulus of rupture rezistența mecanică, 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: 54 N/mm ²	EN ISO 10545-4
11. Breaking strength Forța de rupere, N	$\geq 700\text{N}$	$\geq 700\text{N}$	$\geq 700\text{N}$	Average: 1172 N	EN ISO 10545-4
12. Determination of deep abrasion for unglazed tiles Rezistența la abraziune	declared by producer	declared by producer	$\leq 175\text{ mm}^3$	143 mm ³	EN ISO 10545-6
13. Resistance for household chemicals and swimming pool salts/Rezistența la soluțiile de uz casnic și saruri de piscină	Min class B	Min class B	Min class B	UA	EN ISO 10545-13
14. Resistance to the low concentration acids and alkalis/Rezistența	Declared value	Declared value	Declared value	ULA	EN ISO 10545-13

la acizi si baze de concentratie slaba					
15. Resistance to the high concentration acids and alkalis/ Rezistenta la acizi si baze de concentratie mare	Declared value	Declared value	Declared value	UHA	EN ISO 10545-13
16. Stain resistance Rezistenta la patare	Min class 3	Min class 3	Min class 5	class 5	EN ISO 10545-14
17. 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
18. Slipperiness Rezistenta la lunecare	Declared value	Declared value	Declared value	PTV 36+ Dry PTV 36+ Wet	BS 7976
19. Slipperiness Rezistenta la lunecare	Declared value	Declared value	Declared value	R10	DIN 51130
20. MOHS Rezistenta la zgariere	Declared value	Declared value	Declared value	9	EN 101:1991

Date: 12.03.2024

