



**Technical Characteristic KAI/KOS  
FISA TEHNICA**

ODU  
16.07.05(7/0)

**Model „Matera“  
Internal code: 9795;9796;9797;9798  
Type Porcelain Tiles GI,  
Group BIa, Nominal size 150x900x8.5 mm**

Characteristics/ caracteristici Group BIa, Annex G	Tolerance EN 14411:2016, %	Tolerance EN14411:2016, mm	Measured in KAI laboratory/ Masuratori in laborator KAI	Testing method/ Metoda de lucru										
1. Work size, mm Length/width Lungime /Latime, mm	$\pm 0.6/\max \pm 2\text{mm}$	$\pm 0.9/\pm 2.0$	<table border="1"> <tr><td>1K</td><td>149.0x896.8</td></tr> <tr><td>2K</td><td>149.5x898.4</td></tr> <tr><td>3K</td><td>150.0x900.0</td></tr> <tr><td>4K</td><td>150.5x901.6</td></tr> <tr><td>5K</td><td>151.0x903.2</td></tr> </table>	1K	149.0x896.8	2K	149.5x898.4	3K	150.0x900.0	4K	150.5x901.6	5K	151.0x903.2	EN ISO 10545-2
1K	149.0x896.8													
2K	149.5x898.4													
3K	150.0x900.0													
4K	150.5x901.6													
5K	151.0x903.2													
2. Thickness/ Grosimea, mm	$\pm 5/\max \pm 0.5\text{mm}$	$\pm 0.43$	$8 \pm 0.40\text{ mm}$	EN ISO 10545-2										
3. Straightness of sides/ Liniaritatea muchiei, mm	$\pm 0.5/\max \pm 1.5\text{mm}$	$\pm 0.75/\pm 1.50$	$\pm 0.8\text{ mm}$	EN ISO 10545-2										
4. Rectangularity/ Rectangularitate, mm	$\pm 0.5/\max \pm 2\text{mm}$	$\pm 0.75/\pm 2.0$	$\pm 0.8\text{ mm}$	EN ISO 10545-2										
5. Centre curvature/ Curbura centrala, mm	$\pm 0.5/\max \pm 2\text{mm}$	$\pm 2.0$	CC – 0.6 mm; CV + 1.5 mm	EN ISO 10545-2										
6. Edge curvature/ Curbura laterala, mm	$\pm 0.5/\max \pm 2\text{mm}$	$\pm 0.75/\pm 2.0$	CC – 0.6 mm; CV + 1.5 mm	EN ISO 10545-2										
7. Warpage/ Deformarea, mm	$\pm 0.5/\max \pm 2\text{mm}$	$\pm 2.0$	CC – 0.6 mm; CV + 1.5 mm	EN ISO 10545-2										
8. Surface quality/ Calitatea suprafetei	$\geq 95\%$ without defects	$\geq 95\%$ without defects	$\geq 98\%$ without defects	EN ISO 10545-2										
9. Water absorption Absorbția de apa, %	$\leq 0,5\%$ Individual $\leq 0,6\%$	$\leq 0,5\%$ Individual $\leq 0,6\%$	$\leq 0,3\%$	EN ISO 10545-3										
10. Modulus of rupture Rezistența mecanică, 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 $\geq 32\text{N/mm}^2$	$\geq 35\text{N/mm}^2$	EN ISO 10545-4										
11. Breaking strength Forța de rupere, N	$\geq 1300\text{N}$	$\geq 1300\text{N}$	$\geq 2000\text{N}$	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	9795 – 3/ 750 9796 – 3/ 1500 9797 – 3/ 750 9798 – 3/ 750	EN ISO 10545-7										
13. Cracking resistance, glazed tiles/Rezistența la crașturi pentru plăci glazurate	Pass according to EN ISO 10545-1	Pass according to EN ISO 10545-1	Resistant	EN ISO 10545-9										

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	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	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	GHA	EN ISO 10545-13
17. Stain resistance Rezistenta la patare	Declared value	Declared value	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	Resistant	EN ISO 10545-12
19. Slipperiness Rezistenta la alunecare	Declared value	Declared value	PTV 36+ Dry PTV 0-24 Wet	BS 7976
20. MOHS Rezistenta la zgariere	Declared value	Declared value	8	EN 101:1991

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