



## Technical Characteristic KAI/KOS

ОДУ 16.07.05(7/0)

Model "Mat"

Internal code: 5546

Type: Ceramic Wall Tiles

Group BIII, 250x 500x 9.5 mm

Characteristics Group BIII, Annex K	Tolerance EN 14411:2012, %	Tolerance EN14411:2012,mm	Request values	Measured in KAI laboratory	Testing method
1. Length/width, mm	±0.5/max±2mm	±1.25/±2.00	±1.00/±1.50	249.3 – 250.2 mm 499.4 – 500.3 mm	EN ISO 10545-2
2.Thickness, mm	±10/max±0.5mm	±0.50	9.5 ± 0.475 mm	9.3-9.4mm	EN ISO 10545-2
3. Straightness of sides,mm	±0.3/max±1.5mm	±0.75/±1.50	±0.60/±1.20 mm	-0.13 – +0.22 mm	EN ISO 10545-2
4. Rectangularity, mm	±0.5/max±2mm	±1.25/±2.00	±1.10/±1.60 mm	-0.17 – +0.40 mm	EN ISO 10545-2
5. Centre curvature, mm	0.5/-0.3%/ max 2.0/-1.5mm	2.00/-1.50	+1.40/+0.50 mm	+0.52 – +1.10 mm	EN ISO 10545-2
6. Edge curvature, mm	0.5/-0.3%/ max 2.0/-1.5mm	1.25/-0.75 2.00/-1.50	1.00/-0.40mm 1.40/-0.40mm	+0.16 – +0.72 mm	EN ISO 10545-2
7. Warpage, mm	±0.5/max ±2.0mm	±2.00	±1.40 mm	-0.22 – +0.63 mm	EN ISO 10545-2
8. Surface quality	≥95% without defects	≥95% without defects	≥98% without defects	Pass	EN ISO 10545-2
9. Water absorption, %	Eb>10%	Eb>10%	Eb>10%	13.7 – 15.7 %	EN ISO 10545-3
10.Modulus of rupture, N/mm <sup>2</sup>	≥12 N/mm <sup>2</sup>	≥12 N/mm <sup>2</sup>	≥12 N/mm <sup>2</sup>	Average: 23.0 N/mm <sup>2</sup>	EN ISO 10545-4
11.Crazing 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
12.Resistance for household chemicals and swimming pool salts	Min class B	Min class B	Min class B	GA	EN ISO 10545-13
13.Resistance to the low concentration acids and alkalis	Declared value	Declared value	Declared value	GLA	EN ISO 10545-13
14. Resistance to the high concentration acids and alkalis	Declared value	Declared value	Declared value	GHA	EN ISO 10545-13
15.Stain resistance	Declared value	Declared value	Min class 3	class 5	EN ISO 10545-14

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