



Technical Characteristic KAI/KOS

ОДУ 16.07.05(7/0)

Model "Umbria", Internal code: 7332;7333;7334;8210;8254
Type Porcelain Tiles GL,
Group BIa, Nominal size 333x333x7.0 mm

Characteristics Group BIa, Annex G	Tolerance EN 14411:2012, %	Tolerance EN14411:2012,mm	Request values	Measured in KAI laboratory	Testing method
1. Length/width, mm	±0.6/max±2mm	±2.00	333x333	332.9– 334.3 mm	EN ISO 10545-2
2.Thickness, mm	±5/max±0.5mm	±0.35	7.0±0.35 mm	6.9 – 7.1 mm	EN ISO 10545-2
3. Straightness of sides,mm	±0.5/max±1.5mm	±1.50	±1.30 mm	-0.09 /+0.30 mm	EN ISO 10545-2
4. Rectangularity, mm	±0.5/max±2mm	±1.67	±1.40 mm	-0.15/+0.35 mm	EN ISO 10545-2
5. Centre curvature, mm	±0.5/max±2mm	±2.00	±1.50 mm	+0.27 / +0.55 mm	EN ISO 10545-2
6. Edge curvature, mm	±0.5/max±2mm	±1.67	±1.40 mm	-0.11 /+0.46 mm	EN ISO 10545-2
7. Warpage, mm	±0.5/max±2mm	±2.00	±1.50 mm	-0.19 / +0.38 mm	EN ISO 10545-2
8.Water absorption, %	≤0,5% Individual ≤0,6%	≤0,5% Individual ≤0,6%	≤0,5%	0.13 / + 0.55%	EN ISO 10545-3
9.Modulus of rupture, N/mm ²	≥35N/mm ² individual≥32N/mm ²	≥35N/mm ² individual≥32N/mm ²	≥35N/mm ²	Average: 55.5 N/mm ²	EN ISO 10545-4
10.Determination of surface abrasion for glazed tiles	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	7332 – 2/600 7333 – 2/600 7334 – 2/600 8210 – 2/600 8254 – 2/600	EN ISO 10545-7
11. Thermal shock resistance	Pass according to EN ISO 10545-1	Pass according to EN ISO 10545-1	Pass according to EN ISO 10545-1	Resistant	EN ISO 10545-9
12.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
13.Resistance for household chemicals and swimming pool salts	Min class B	Min class B	Min class B	GA	EN ISO 10545-13
14.Resistance to the low concentration acids and alkalis	Declared value	Declared value	Declared value	GLA	EN ISO 10545-13
15. Resistance to the high concentration acids and alkalis	Declared value	Declared value	Declared value	GHA	EN ISO 10545-13
16.Stain resistance	Declared value	Declared value	Min class 3	class 5	EN ISO 10545-14
17. Frost resistance	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	Declared value	Declared value	Declared value	PTV 36+ Dry PTV 25-35 Wet	CEN/TS 16165

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