



Technical Characteristic KAI/KOS  
FISA TEHNICA

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16.07.05(7/0)

Model: Orion, Internal code: 5802, 5804,5807

Type Tiles wall tile GL

Group BIII, Nominal size 250x400x8.0 mm

Characteristics/ Caracteristici Group BIII, Annex K	Tolerance EN 14411:2012, %	Tolerance EN14411:2012, mm	Request values/Valori conform standard	Measured in KAI laboratory/Masur atori in laborator Kai	Testing method/Metoda de lucru
1.Length/width/Lu ngime/Latime, mm	±0.5%/max±2m m	±1.25/±2.00mm	±1.00/±1.45	250.5±250.9mm 400.2±400.9mm	EN ISO 10545-2
2.Thickness/Grosi mea, mm	±10%/max±0.5m m	±0.5mm	8.0±0.40 mm	7.9±8.2mm	EN ISO 10545-2
3. Straightness of sides/I iniaritatea muchiei,mm	±0.5%/max±1.5 mm	±0.75/±1.20mm	±0.60mm/ ±1.05 mm	-0.31±+0.22mm -0.26± +0.33mm	EN ISO 10545-2
4.Rectangularity/R ectangularitate, mm	±0.5%/max±2m m	1.25±2.00mm	±1.00mm/ ±1.50 mm	-0.37± +0.64mm -0.95± +0.52mm	EN ISO 10545-2
5. Centre curvature/Curbura centrala, mm	±0.5%/max2/ -1.5mm	+2.00/-1.4mm	CV +1.7 mm CC -1.0 mm	+0.40±+1.23mm	EN ISO 10545-2
6. Edge curvature/Curbura laterală, mm	±0.5%/max2/ -1.5mm	+1.25/-0.75/ +2.00/-1.2mm	CV +1.0mm CC -0.5 mm; CV +1.5 mm CC -1.0 mm	-0.34±+0.18mm +0.34± +0.83mm	EN ISO 10545-2
7.Warpage/Deform area, mm	±0.5%/max±2m m	±2.00mm	CV +1.7 mm CC -1.7 mm	-0.39± +0.93mm	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/Absorb tia de apa, %	Eb>10% Individual >9%	Eb>10% Individual >9%	Eb>10% Individual >9%	15.25 %	EN ISO 10545-3
10.Modulus of rupture/rezistenta mecanica, N/mm <sup>2</sup>	≥12N/mm <sup>2</sup> Individual >15 N/mm <sup>2</sup>	≥12N/mm <sup>2</sup> Individual >15 N/mm <sup>2</sup>	≥12N/mm <sup>2</sup> Individual >15 N/mm <sup>2</sup>	Average: 20.4/mm <sup>2</sup>	EN ISO 10545-4
11. Breaking strength, thickness≥7.5mm, N /Forta de rupere ≥7.5mm, N	≥ 600N	≥ 600N	≥ 600N	Average: 725N	EN ISO 10545-4
12.Resistance for household chemicals and swimming pool	Min class B	Min class B	Min class B	Resistant	EN ISO 10545-13

salts/Rezistentă la soluțiile de uz casnic și sărurile de piscină					
13. Resistance to the low concentration acids and alkalis/Rezistentă la acizi și baze de concentrație slabă	Declared value	Declared value	Declared value	GA	EN ISO 10545-13
14. Resistance to the high concentration acids and alkalis/Rezistentă la acizi și baze de concentrație mare	Declared value	Declared value	Declared value	GLA	EN ISO 10545-13
15. Stain resistance/Rezistență la patare	Declared value	Declared value	Min class 3	GHA	EN ISO 10545-14

Date: 04.10.2018

QC: .....  
/D. Stancheva/