



**Technical Characteristic KAI/KOS
FISA TEHNICA**

ODU
16.07.05(7/0)

Model "Pine"

Internal code: 6067;6068;6069;6063;6064;6065

Type Porcelain Tiles GL,

Group BIa, Nominal size 204x1204x10 mm

Characteristics/Caracteristici Group BIa, Annex G	Tolerance EN 14411:2016, %	Tolerance EN14411:2016, mm	Request values/Valori conform standard	Measured in KAI laboratory/Masuratori in laborator Kai	Testing method/Metoda de lucru										
1. Length/width Lungime/Latime, mm	±0.6/max±2mm	±1.20/±2.00	204x1204	<table border="1"> <tr><td>1K</td><td>203.0x1201.0</td></tr> <tr><td>2K</td><td>203.5x1202.5</td></tr> <tr><td>3K</td><td>204.0x1204.0</td></tr> <tr><td>4K</td><td>204.5x1205.5</td></tr> <tr><td>5K</td><td>205.0x1207.0</td></tr> </table>	1K	203.0x1201.0	2K	203.5x1202.5	3K	204.0x1204.0	4K	204.5x1205.5	5K	205.0x1207.0	EN ISO 10545-2
1K	203.0x1201.0														
2K	203.5x1202.5														
3K	204.0x1204.0														
4K	204.5x1205.5														
5K	205.0x1207.0														
2. Thickness Grosimea, mm	±5/max±0.5mm	±0.50	±0.50 mm	9.7 – 9.8 mm	EN ISO 10545-2										
3. Straightness of sides Liniaritatea muchiei, mm	±0.5/max±1.5mm	±1.00/±1.50	±1.00/±1.50	-0.25 – +0.21 mm	EN ISO 10545-2										
4. Centre curvature Curbura centrala, mm	±0.5/max±2mm	±2.00	±2.00	+0.36 – +0.93 mm	EN ISO 10545-2										
5. Edge curvature Curbura laterala, mm	±0.5/max±2mm	±1.00/±2.00	±1.00/±2.00	+0.64 – +1.37 mm	EN ISO 10545-2										
6. Surface quality Calitatea suprafetei	≥95% without defects	≥95% without defects	≥98% without defects	Pass	EN ISO 10545-2										
7. Water absorption Absorbtia de apa, %	≤0,5% Individual ≤0,6%	≤0,50% Individual ≤0,60%	≤0,50%	0.03 – 0.12%	EN ISO 10545-3										
8. Modulus of rupture Rezistenta mecanica, N/mm ²	≥35N/mm ² individual≥32N/mm ²	≥35N/mm ² individual≥32N/mm ²	≥35N/mm ²	Average: 58 N/mm ²	EN ISO 10545-4										
9. Breaking strength Fora de rupere, N	≥ 1300N	≥ 1300N	≥ 1300N	Average: 3247 N	EN ISO 10545-4										
10. Determination of surface abrasion for glazed tiles/Rezistenta 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	Declared value	6067 – 3/ 750 6068 – 3/ 750 6069 – 3/ 750 6063 – 3/ 750 6064 – 3/ 750 6065 – 3/ 750	EN ISO 10545-7										
11. Craziing resistance, glazed tiles/Resitenta la crapaturi pentru placi glazurate	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/Rezistenta la solutiile de uz casnic si sarurile de piscina	Min class B	Min class B	Min class B	GA	EN ISO 10545-13										
13. Resistance to the low concentration acids	Declared value	Declared value	Declared value	GLA	EN ISO 10545-13										

and alkalis/Rezistentă la acizi și baze de concentrație slabă					
14. Resistance to the high concentration acids and alkalis/ Rezistentă la acizi și baze de concentrație mare	Declared value	Declared value	Declared value	GHA	EN ISO 10545-13
15. Stain resistance Rezistentă la patare	Declared value	Declared value	Min class 3	class 5	EN ISO 10545-14
16. Frost resistance Rezistentă la îngheț	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
17. Slipperiness Rezistentă la alunecare	Declared value	Declared value	Declared value	PTV 36+ Dry PTV 36+ Wet	BS 7976
18. MOHS Rezistentă la zgărieră	Declared value	Declared value	Declared value	9	EN 101:1991

Date: 23.09.2021

QC: ...





**Technical Characteristic KAI/KOS
FISA TEHNICA**

ODU
16.07.05(7/0)

**Model "Glossy white"
Internal code: 4763;4756;4755;4758;4757
Type: Ceramic Wall Tiles
Group BIII, 255x755x9 mm**

Characteristics Group BIII, Annex L	Tolerance EN 14411:2016, %	Tolerance EN14411:2016, mm	Request values/Valori conform standard	Measured in KAI laboratory/Masura tori in laborator Kai
1. Length/width Lungime/Latime, mm	±0.5/max±2mm	±1.25/±2.00	±1.00/±2.00	EN ISO 10545-2
2.Thickness Grosimea, mm	±10/max±0.5mm	±0.50	9.0 ± 0.50 mm	EN ISO 10545-2
3. Straightness of sides Liniaritatea muchiei,mm	±0.3/max±1.5mm	±0.75/±1.50	±0.75/±1.50	EN ISO 10545-2
4. Rectangularity Rectangularitate, mm	±0.5/max±2mm	±1.25/±2.00	±1.25/±2.00	EN ISO 10545-2
5. Centre curvature Curbura centrala, mm	0.5/-0.3%/ max 2.0/- 1.5mm	2.00/-1.50	CC – 0.6 mm; CV + 1.8 mm	EN ISO 10545-2
6. Edge curvature Curbura laterala, mm	0.5/-0.3%/ max 2.0/- 1.5mm	1.25/-0.75 2.00/-1.50	CC – 0.6 mm; CV + 1.8 mm	EN ISO 10545-2
7. Warpage Deformarea, mm	±0.5/max ±2.0mm	±2.00	CC – 0.6 mm; CV + 1.8 mm	EN ISO 10545-2
8. Surface quality Calitatea suprafetei	≥95% without defects	≥95% without defects	Pass	EN ISO 10545-2
9.Water absorption Absorbtia de apa, %	Eb>10%	Eb>10%	Average: 15.50-16.40 %	EN ISO 10545-3
10.Modulus of rupture Rezistenta mecanica, N/mm ²	≥12 N/mm ²	≥12 N/mm ²	≥25 N/mm ²	EN ISO 10545-4
11. Breaking strength Fora de rupere, N	≥ 600N	≥ 600N	≥ 1042N	EN ISO 10545-4
12.Crazing resistance, glazed tiles/Resitenta la crapaturi pentru placi glazurate	Pass according to EN ISO 10545-1	Pass according to EN ISO 10545-1	Resistant	EN ISO 10545-9
13.Resistance for household chemicals and swimming pool salts/Rezistenta la solutiile de uz casnic si saruriel de piscina	Pass according to EN ISO 10545-1	Pass according to EN ISO 10545-1	Resistant	EN ISO 10545-11
14.Resistance to the low concentration acids and alkalis/Rezistenta la acizi si baze de concentratie slaba	Min class B	Min class B	GA	EN ISO 10545-13
15. Resistance to the	Declared value		GLA	EN ISO 10545-13

high concentration acids and alkalis/ Rezistenta la acizi si baze de concentratie mare		Declared value		
16. Stain resistance Rezistenta la patare	Declared value	Declared value	GHA	EN ISO 10545-13
17. MOHS Rezistenta la zgariere	Min class 3	Min class 3	class 5	EN ISO 10545-14
18. Modulus of rupture Rezistenta mecanica, N/mm ²	Declared value	Declared value	3.5	EN 101:1991

Date: 23.09.2021





**Technical Characteristic KAI/KOS
FISA TEHNICA**

ODU
16.07.05(7/0)

Model "White mat"

Internal code: 4761;4759;4760;4762;4764

Type: Ceramic Wall Tiles

Group BIII, 255x755x9 mm

Characteristics Group BIII, Annex L	Tolerance EN 14411:2016, %	Tolerance EN14411:2016, mm	Request values/Valori conform standard	Measured in KAI laboratory/Masura tori in laborator Kai
1. Length/width Lungime/Latime, mm	+0.5/max±2mm	±1.25/±2.00	±1.00/±2.00	EN ISO 10545-2
2. Thickness Grosimea, mm	±10/max±0.5mm	±0.50	9.0 ± 0.50 mm	EN ISO 10545-2
3. Straightness of sides Liniaritatea muchiei, mm	±0.3/max±1.5mm	±0.75/±1.50	±0.75/±1.50	EN ISO 10545-2
4. Rectangularity Rectangularitate, mm	±0.5/max±2mm	±1.25/±2.00	±1.25/±2.00	EN ISO 10545-2
5. Centre curvature Curbura centrala, mm	0.5/-0.3%/ max 2.0/- 1.5mm	2.00/-1.50	CC – 0.6 mm; CV + 1.8 mm	EN ISO 10545-2
6. Edge curvature Curbura laterala, mm	0.5/-0.3%/ max 2.0/- 1.5mm	1.25/-0.75 2.00/-1.50	CC – 0.6 mm; CV + 1.8 mm	EN ISO 10545-2
7. Warpage Deformarea, mm	±0.5/max ±2.0mm	±2.00	CC – 0.6 mm; CV + 1.8 mm	EN ISO 10545-2
8. Surface quality Calitatea suprafetei	≥95% without defects	≥95% without defects	Pass	EN ISO 10545-2
9. Water absorption Absorbția de apă, %	E _b >10%	E _b >10%	Average: 16.40–16.80 %	EN ISO 10545-3
10. Modulus of rupture Rezistența mecanică, N/mm ²	≥12 N/mm ²	≥12 N/mm ²	≥29 N/mm ²	EN ISO 10545-4
11. Breaking strength Forța de rupere, N	≥ 600N	≥ 600N	≥ 949N	EN ISO 10545-4
12. Craze resistance, glazed tiles/Rezistența la crapături pentru plăci glazurate	Pass according to EN ISO 10545-1	Pass according to EN ISO 10545-1	Resistant	EN ISO 10545-9
13. Resistance for household chemicals and swimming pool salts/Rezistența la soluțiile de uz casnic și saruri de piscină	Pass according to EN ISO 10545-1	Pass according to EN ISO 10545-1	Resistant	EN ISO 10545-11
14. Resistance to the low concentration acids and alkalis/Rezistența la acizi și baze de concentrație slabă	Min class B	Min class B	GA	EN ISO 10545-13
15. Resistance to the	Declared value		GLA	EN ISO 10545-13

high concentration acids and alkalis/ Rezistentă la acizi și baze de concentrație mare		Declared value		
16. Stain resistance Rezistentă la patare	Declared value	Declared value	GHA	EN ISO 10545-13
17. MOHS Rezistentă la zgariere	Min class 3	Min class 3	class 5	EN ISO 10545-14
18. Modulus of rupture Rezistentă mecanică, N/mm ²	Declared value	Declared value	3.5	EN 101:1991

Date: 23.09.2021





**Technical Characteristic KAI/KOS
FISA TEHNICA**

ODU
16.07.05(7/0)

Model "Durango"

Internal code: 9735

Type Porcelain Tiles GL

Group BIa, Nominal size 300x600 mm

Characteristics/Caracteristici Group BIa, Annex G	Tolerance EN 14411:2016, %	Tolerance EN14411:2016, mm	Request values/Valori conform standard	Measured in KAI laboratory/Masuratori in laborator Kai	Testing method/Metoda de lucru
1. Length/width Lungime/Latime, mm	±0.6/max±2mm	±1.80/±2.00	300 x 600	1K 297.6x597.6	EN ISO 10545-2
				2K 298.8x598.6	
				3K 300.0x600.0	
				4K 301.2x601.2	
				5K 302.4x602.4	
2. Thickness Grosimea, mm	±5/max±0.5mm	±0.45 mm	9.0±0.45 mm	8.7 – 8.8 mm	EN ISO 10545-2
3. Surface quality Calitatea suprafetei	≥95% without defects	≥95% without defects	≥98% without defects	Pass	EN ISO 10545-2
4. Water absorption Absorbția de apă, %	≤0,5% Individual ≤0,6%	≤0,5% Individual ≤0,6%	≤0,5%	0.02 – 0.11%	EN ISO 10545-3
5. Modulus of rupture Rezistența mecanică, N/mm ²	≥35N/mm ² individual ≥32N/m ²	≥35N/mm ² individual ≥32N/mm ²	≥35N/mm ²	Average: 71 N/mm ²	EN ISO 10545-4
6. Breaking strength Forța de rupere, N	≥1300N	≥ 1300N	≥ 1300N	Average: 2413 N	EN ISO 10545-4
7. 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	Declared value	4/ 6000	EN ISO 10545-7
8. Craze resistance, glazed tiles/Resistența la crapături pentru plăci glazurate	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
9. Resistance for household chemicals and swimming pool salts/Rezistența la soluțiile de uz casnic și sărurile de piscină	Min class B	Min class B	Min class B	GA	EN ISO 10545-13
10. Resistance to the low concentration acids and alkalis/Rezistența la acizi și baze de concentrație slabă	Declared value	Declared value	Declared value	GLA	EN ISO 10545-13
11. Resistance to the high concentration acids and alkalis/	Declared value	Declared value	Declared value	GHA	EN ISO 10545-13

Rezistentă la acizi și baze de concentrație mare					
12. Stain resistance Rezistentă la patare	Min class 3	Min class 3	Min class 5	class 5	EN ISO 10545-14
13. Frost resistance Rezistentă la îngheț	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
14. Slipperiness Rezistentă la alunecare	Declared value	Declared value	Declared value	PTV 36+ Dry PTV 36+ Wet	BS 7976
15. MOHS Rezistentă la zgăriere	Declared value	Declared value	Declared value	9	EN 101:1991

Date: 23.09.2021

QC:





**Technical Characteristic KAI/KOS
FISA TEHNICA**

ODU
16.07.05(7/0)

**Model "Roccia"
Internal code: 9730
Type Porcelain Tiles GL
Group Bla, Nominal size 300x600 mm**

Characteristics/Caracteristici Group Bla, Annex G	Tolerance EN 14411:2016, %	Tolerance EN14411:2016, mm	Request values/Valori conform standard	Measured in KAI laboratory/Masuratori in laborator Kai		Testing method/Metoda de lucru
1. Length/width Lungime/Latime, mm	±0.6/max±2mm	±1.80/±2.00	300 x 600	1K	297.6x597.6	EN ISO 10545-2
				2K	298.8x598.6	
				3K	300.0x600.0	
				4K	301.2x601.2	
				5K	302.4x602.4	
2.Thickness Grosimea, mm	±5/max±0.5mm	±0.45 mm	9.0±0.45 mm	9.0 – 9.2 mm		EN ISO 10545-2
3. Surface quality Calitatea suprafetei	≥95% without defects	≥95% without defects	≥98% without defects	Pass		EN ISO 10545-2
4.Water absorption Absorbtia de apa, %	≤0,5% Individual ≤0,6%	≤0,5% Individual ≤0,6%	≤0,5%	0.02 – 0.05%		EN ISO 10545-3
5.Modulus of rupture Rezistenta mecanica, N/mm ²	≥35N/mm ² individual≥32N/mm ²	≥35N/mm ² individual≥32N/mm ²	≥35N/mm ²	Average: 66 N/mm ²		EN ISO 10545-4
6. Breaking strength Fora de rupere, N	≥1300N	≥ 1300N	≥ 1300N	Average: 1961 N		EN ISO 10545-4
7.Dotormination of surface abrasion for glazed tiles/Rezistenta 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	Declared value	4/ 6000		EN ISO 10545-7
8.Crazing resistance, glazed tiles/Resitenta la crapaturi pentru placi glazurate	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
9.Resistance for household chemicals and swimming pool salts/Rezistenta la solutiile de uz casnic si sarurile de piscina	Min class B	Min class B	Min class B	GA		EN ISO 10545-13
10.Resistance to the low concentration acids and alkalis/Rezistenta la acizi si baze de concentratie slaba	Declared value	Declared value	Declared value	GLA		EN ISO 10545-13
11. Resistance to the high concentration acids and alkalis/	Declared value	Declared value	Declared value	GHA		EN ISO 10545-13

Rezistentă la acizi și baze de concentrație mare					
12. Stain resistance Rezistentă la patare	Min class 3	Min class 3	Min class 5	class 5	EN ISO 10545-14
13. Frost resistance Rezistentă la îngheț	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
14. Slipperiness Rezistentă la alunecare	Declared value	Declared value	Declared value	PTV 36+ Dry PTV 36+ Wet	BS 7976
15. MOHS Rezistentă la zgariere	Declared value	Declared value	Declared value	9	EN 101:1991

Date: 23.09.2021

QC: ...

