



**Technical Characteristic KAI/KOS
FISA TEHNICA**

ODU
16.07.05(7/0)

**Model Palazzo
Internal code: 4618;4619;4620;4621
Type: Ceramic Wall Tiles
Group BIII, 300x 600x 9 mm**

Characteristics Group BIII, Annex L	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	±0.5/max±2mm	±1.50/±2.00	±1.30/±1.80	300.1 – 300.6 600.3 – 601.0	EN ISO 10545-2
2. Thickness Grosimea, mm	±10/max±0.5mm	±0.50	± 0.5 mm	8.8 – 9.2	EN ISO 10545-2
3. Straightness of sides Liniaritatea muchiei,mm	±0.3/max±1.5mm	±0.90/±1.50	±0.80/±1.30 mm	-0.45 – +0.12	EN ISO 10545-2
4. Rectangularity Rectangularitate, mm	±0.5/max±2mm	±1.50/±2.00	±1.30/±1.80 mm	-0.50 – +0.32	EN ISO 10545-2
5. Centre curvature Curbura centrala, mm	0.5/-0.3%/ max 2.0/-1.5mm	2.00/-1.50	+1.60/+0.50 mm	+0.90 – +1.45	EN ISO 10545-2
6. Edge curvature Curbura laterala, mm	0.5/-0.3%/ max 2.0/-1.5mm	1.50/-0.90 2.00/-1.50	1.20/-0.50 mm 1.60/-0.60 mm	-0.44 – +0.91	EN ISO 10545-2
7. Warpage Deformarea, mm	±0.5/max ±2.0mm	±2.00	±1.60 mm	-0.29 – +0.81	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 Absorbția de apa, %	Eb>10%	Eb>10%	Eb>10%	15.30 – 16.00 %	EN ISO 10545-3
10. Modulus of rupture Rezistența mecanică, N/mm ²	≥12 N/mm ²	≥12 N/mm ²	≥12 N/mm ²	Average: 24 N/mm ²	EN ISO 10545-4
11. Breaking strength Forța de rupere, N	≥ 600 N	≥ 600 N	≥ 600 N	Average: 862 N	EN ISO 10545-4
12. 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
13. Resistance for household chemicals and swimming pool salts/Rezistența la soluțiile de uz casnic și sarurile de piscină	Min class B	Min class B	Min class B	GA	EN ISO 10545-13
14. 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
15. 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					
16. Stain resistance Rezistentă la patare	Min class 3	Min class 3	Min class 5	class 5	EN ISO 10545-14
17. MOHS Rezistentă la zgariere	Declared value	Declared value	Declared value	3.5	EN 101:1991

Date: 27.04.2021





**Technical Characteristic KAI/KOS
FISA TEHNICA**

ODU
16.07.05(7/0)

**Model „Palazzo“
Internal code: 9588;9589
Type Porcelain Tiles GL
Group BIa, Nominal size 333x333 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	±2.00	333x333	<table border="1"> <tr> <td>1C</td> <td>331.0x331.0</td> </tr> <tr> <td>0C</td> <td>333.0x333.0</td> </tr> <tr> <td>2C</td> <td>335.0x335.0</td> </tr> </table>	1C	331.0x331.0	0C	333.0x333.0	2C	335.0x335.0	EN ISO 10545-2
1C	331.0x331.0										
0C	333.0x333.0										
2C	335.0x335.0										
2. Thickness Grosimea, mm	±5/max±0.5mm	±0.40	8.0±0.40mm	7.8 – 8.0 mm	EN ISO 10545-2						
3. Straightness of sides Liniaritatea muchiei,mm	±0.5/max±1.5mm	±1.50	±1.30 mm	-0.07 – +0.27 mm	EN ISO 10545-2						
4. Rectangularity Rectangularitate, mm	±0.5/max±2mm	±1.67	±1.40 mm	-0.57 – +0.47 mm	EN ISO 10545-2						
5. Centre curvature Curbura centrala, mm	±0.5/max±2mm	±2.00	±1.50 mm	-0.02 – +0.59 mm	EN ISO 10545-2						
6. Edge curvature Curbura laterala, mm	±0.5/max±2mm	±1.67	±1.40 mm	-0.03 – +0.46 mm	EN ISO 10545-2						
7. Warpage Deformarea, mm	±0.5/max±2mm	±2.00	±1.50 mm	-0.53 – +0.43 mm	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 Absorbția de apa, %	≤0,5% Individual ≤0,6%	≤0,5% Individual ≤0,6%	≤0,5%	0.08 – 0.15 %	EN ISO 10545-3						
10. Modulus of rupture rezistența mecanică, N/mm²	≥35N/mm² individual≥32N/mm²	≥35N/mm² individual≥32N/mm²	≥35N/mm²	Average: 64 N/mm²	EN ISO 10545-4						
11. Breaking strength Forța de rupere, N	≥ 1300N	≥ 1300N	≥ 1300N	Average: 1750 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	Declared value	9588 – 3/1500 9589 – 3/750	EN ISO 10545-7						
13. 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							
14. 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						

15. Resistance to the low concentration acids and alkalis Rezistentă la acizi și baze de concentrație slabă	Declared value	Declared value	Declared value	GLA	EN ISO 10545-13
16. 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
17. Stain resistance Rezistentă la patare	Min class 3	Min class 3	Min class 5	class 5	CN ISO 10545-14
18. 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
19. Slipperiness Rezistentă la alunecare	Declared value	Declared value	Declared value	PTV 36+ Dry PTV 25-35 Wet	BS 7976
20. MOHS Rezistentă la zgariere	Declared value	Declared value	Declared value	9	EN 101:1991

Date: 27.04.2021

QC:

