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|  | <b>Technical Characteristic KAI/KOS</b><br><b>FISA TEHNICA</b> | ODU<br>16.07.05(9/0) |
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**Model "Abitare"**  
**Internal code: 9537KA**  
**Type Porcelain Tiles GL**  
**Group Bla, Nominal size 333x333x7.4 mm**

| Characteristics/Caracteristici<br>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<br>Lungime/Latime, mm                                                                                        | ±0.6/max±2mm                                                                       | ±2.00                                                                              | 333x333                                | 1C                                                     | 331.0x331.0 | EN ISO 10545-2                 |
|                                                                                                                              |                                                                                    |                                                                                    |                                        | 0C                                                     | 333.0x333.0 |                                |
|                                                                                                                              |                                                                                    |                                                                                    |                                        | 2C                                                     | 335.0x335.0 |                                |
| 2.Thickness<br>Grosimea, mm                                                                                                  | ±5/max±0.5mm                                                                       | ±0.35                                                                              | 7.4±0.37mm                             | 7.4 – 7.6 mm                                           |             | EN ISO 10545-2                 |
| 3. Straightness of sides<br>Liniaritatea muchiei,mm                                                                          | ±0.5/max±1.5mm                                                                     | ±1.50                                                                              | ±1.30 mm                               | -0.13 – +0.26 mm                                       |             | EN ISO 10545-2                 |
| 4. Rectangularity<br>Rectangularitate, mm                                                                                    | ±0.5/max±2mm                                                                       | ±1.67                                                                              | ±1.40 mm                               | -0.52 – +0.56 mm                                       |             | EN ISO 10545-2                 |
| 5. Centre curvature<br>Curbura centrala, mm                                                                                  | ±0.5/max±2mm                                                                       | ±2.00                                                                              | ±1.50 mm                               | +0.11 – +0.64 mm                                       |             | EN ISO 10545-2                 |
| 6. Edge curvature<br>Curbura laterala, mm                                                                                    | ±0.5/max±2mm                                                                       | ±1.67                                                                              | ±1.40 mm                               | -0.32 – +0.53 mm                                       |             | EN ISO 10545-2                 |
| 7. Warpage<br>Deformarea, mm                                                                                                 | ±0.5/max±2mm                                                                       | ±2.00                                                                              | ±1.50 mm                               | -0.55 – +0.42 mm                                       |             | EN ISO 10545-2                 |
| 8. Surface quality<br>Calitatea suprafetei                                                                                   | ≥95% without defects                                                               | ≥95% without defects                                                               | ≥98% without defects                   | Pass                                                   |             | EN ISO 10545-2                 |
| 9.Water absorption<br>Absorbția de apa, %                                                                                    | ≤0,5%<br>Individual ≤0,6%                                                          | ≤0,5%<br>Individual ≤0,6%                                                          | ≤0,5%                                  | 0.04 – 0.22 %                                          |             | EN ISO 10545-3                 |
| 10.Modulus of rupture<br>rezistența mecanică,<br>N/mm²                                                                       | ≥35N/mm²<br>individual≥32N/mm²                                                     | ≥35N/mm²<br>individual≥32N/mm²                                                     | ≥35N/mm²                               | Average: 56 N/mm²                                      |             | EN ISO 10545-4                 |
| 11. Breaking strength<br>Forța de rupere, N                                                                                  | ≥ 700N                                                                             | ≥ 700N                                                                             | ≥ 700N                                 | Average: 1521 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                         | 3/750                                                  |             | EN ISO 10545-7                 |
| 13.Crazing 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<br>Rezistența la soluțiile de uz casnic și sărurile de piscină | Min class B                                                                        | Min class B                                                                        | Min class B                            | GA                                                     |             | EN ISO 10545-13                |

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| 15. Resistance to the low concentration acids and alkalis<br>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<br>Rezistentă la acizi și baze de concentrație mare | Declared value                   | Declared value                   | Declared value                   | GHA                         | EN ISO 10545-13 |
| 17. Stain resistance<br>Rezistentă la patare                                                                   | Min class 3                      | Min class 3                      | Min class 5                      | class 5                     | EN ISO 10545-14 |
| 18. Frost resistance<br>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<br>Rezistentă la alunecare                                                                    | Declared value                   | Declared value                   | Declared value                   | PTV 36+ Dry<br>PTV 0-24 Wet | BS 7976         |
| 20. MOHS<br>Rezistentă la zgariere                                                                             | Declared value                   | Declared value                   | Declared value                   | 8                           | EN 101:1991     |

Date: 10.07.2024

