



**Technical Characteristic KAI/KOS  
FISA TEHNICA**

ODU  
16.07.05(9/0)

**Model: "Cortina"**

**Internal code: 6329KA**

**Type: Rectified Porcelain Tiles GL**

**Group BIa, Nominal size 600x600x8.5 mm**

| Characteristics/Caracteristici<br>Group BIa, Annex G                                                                                     | Tolerance EN<br>14411:2016, %                                                               | Tolerance<br>EN14411:2016, mm                                                               | Request<br>values/Valori<br>conform<br>standard | Measured in KAI<br>laboratory/Masura<br>tori in laborator<br>Kai | Testing<br>method/Metoda de<br>lucru |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------|--------------------------------------|
| 1. Work size, mm<br>(Length/width/Lungime<br>/Latime)                                                                                    | ±0.6/max±2mm                                                                                | ±2.00                                                                                       | <b>Caliber<br/>8</b>                            | <b>Size<br/>598 x 598</b>                                        | EN ISO 10545-2                       |
| 2. Thickness/ Grosimea,<br>mm                                                                                                            | ±5/max±0.5mm                                                                                | ±0.42                                                                                       | 8.5 ± 0.42 mm                                   | 8.3 – 8.5 mm                                                     | EN ISO 10545-2                       |
| 3. Straightness of<br>sides/ Liniaritatea<br>muchiei, mm                                                                                 | ±0.5/max±1.5mm                                                                              | ±1.50                                                                                       | ±1.20 mm                                        | -0.49 – +0.58 mm                                                 | EN ISO 10545-2                       |
| 4. Rectangularity/<br>Rectangularitate, mm                                                                                               | ±0.5/max±2mm                                                                                | ±2.00                                                                                       | ±1.10 mm                                        | -0.39 – +0.82 mm                                                 | EN ISO 10545-2                       |
| 5. Centre curvature/<br>Curbura centrala, mm                                                                                             | ±0.5/max±2mm                                                                                | ±2.00                                                                                       | ±1.50 mm                                        | +0.02 – +0.84 mm                                                 | EN ISO 10545-2                       |
| 6. Edge curvature/<br>Curbura laterala, mm                                                                                               | ±0.5/max±2mm                                                                                | ±2.00                                                                                       | ±1.20 mm                                        | -0.25 – +0.23 mm                                                 | EN ISO 10545-2                       |
| 7. Warpage/<br>Deformarea, mm                                                                                                            | ±0.5/max±2mm                                                                                | ±2.00                                                                                       | ±1.50 mm                                        | -0.09 – +0.89 mm                                                 | EN ISO 10545-2                       |
| 8. Surface quality/<br>Calitatea suprafetei                                                                                              | ≥95% without defects                                                                        | ≥95% without defects                                                                        | ≥98% without<br>defects                         | Pass                                                             | EN ISO 10545-2                       |
| 9. Water absorption/<br>Absorbția de apă, %                                                                                              | ≤0,5%<br>Individual ≤0,6%                                                                   | ≤0,5%<br>Individual ≤0,6%                                                                   | ≤0,5%                                           | 0.09 – 0.12 %                                                    | 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: 55 N/mm²                                                | EN ISO 10545-4                       |
| 11. Breaking strength/<br>Forța de rupere, N                                                                                             | ≥1300                                                                                       | ≥1300                                                                                       | ≥1300                                           | Average: 1862 N                                                  | EN ISO 10545-4                       |
| 12. Determination of<br>surface abrasion for<br>glazed tiles/Rezistența<br>la abraziune                                                  | the class of abrasive<br>resistance and the<br>number of cycles are<br>declared by producer | the class of abrasive<br>resistance and the<br>number of cycles are<br>declared by producer | Declared value                                  | 4/12000                                                          | EN ISO 10545-7                       |
| 13. Crazing resistance,<br>glazed tiles/Rezistența<br>la crapături pentru plăci<br>glazurate                                             | Pass according to EN<br>ISO 10545-1                                                         | Pass according to EN<br>ISO 10545-1                                                         | Pass according to<br>EN ISO 10545-1             | Resistant                                                        | EN ISO 10545-11                      |
| 14. Resistance for<br>household chemicals<br>and swimming pool<br>salts/ Rezistența la<br>soluțiile de uz casnic și<br>saruri 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/Rezistenta la acizi si baze de concentratie slaba  | Declared value                   | Declared value                   | Declared value                   | GLA                          | EN ISO 10545-13 |
| 16. Resistance to the high concentration acids and alkalis/ Rezistenta la acizi si baze de concentratie mare | Declared value                   | Declared value                   | Declared value                   | GHA                          | EN ISO 10545-13 |
| 17. Stain resistance/ Rezistenta la patare                                                                   | Min class 3                      | Min class 3                      | Min class 3                      | class 5                      | EN ISO 10545-14 |
| 18. Frost resistance/ Rezistenta la inghet                                                                   | 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/ Rezistenta la alunecare                                                                    | Declared value                   | Declared value                   | Declared value                   | PTV 36+ Dry<br>PTV 25-35 Wet | BS 7976         |
| 20. Slipperiness                                                                                             | Declared value                   | Declared value                   | Declared value                   | R10                          | DIN 51130       |
| 21. MOHS/ Rezistenta la zgariere                                                                             | Declared value                   | Declared value                   | Declared value                   | 9                            | EN 101:1991     |

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