

Scheftner Dental EN

Products

Non-precious metal powder (NPM)

CoCr-Powder

Starbond CoS Powder

CoCr Powder

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Starbond CoS Powder is based on the proven dental bonding alloy Starbond CoS. The user can thus continue to work in a system with the same alloy components and the same composition, as well as the same positive processing characteristics.

The manufacturing process of the powder ensures the best possible flowability.

- No cooling phase required, depending on ceramics
- Excellent veneering
- A CTE of 14.4 permits great flexibility in ceramic selection
- Biocompatible
- Extremely corrosion resistance
- CE certified

Composition in percent by mass:

| | |
|-----------|------|
| Co | 59% |
| Cr | 25% |
| W | 9.5% |
| Mo | 3.5% |
| Si | 1% |
| C,Fe,Mn,N | <1% |

Technical properties:**

| | |
|---------------------------|---|
| Proof stress (Rp 0.2) | 720-1130MPa |
| Ultimate tensile strength | 990-1250MPa |
| Elongation | 2-10% |
| Elastic modulus | 195-200GPa |
| Vickers hardness | 345-490 HV 10 |
| Density | 8.8g/cm ³ |
| Melting range | 1305-1400°C |
| CTE (20-600°C) | 14.4 x 10 ⁻⁶ K ⁻¹ |
| Laser weldable | Yes |
| Type (DIN EN ISO 22674) | 5 |