

Technical data sheet

Synthetic Wax *Zenotec® Wax*



Manufacturer

**Wieland Dental + Technik
GmbH & Co. KG**
Lindenstraße 2
75175 Pforzheim
Germany

Wieland Dental
is certified according to
■ **DIN EN ISO 13485**
■ **RL 93/42/ECC (CE 0483)**

■ Description

Zenotec® Wax CAD/CAM blank made of synthetic wax

■ Description

Blanks made of wax to assist in the manufacture of dental prostheses using a CAD/CAM system. This material is a very fast and cost-effective alternative. Its functionality and accuracy to fit the dental model are exceptional.

The most important features are:

- very easy to mill
- no swelling of material
- no residue can be burnt-out cost-effectively
- extremely high melting point
- very fine chip formation (no sticking of the milling cutters)

■ Indication

Zenotec® Wax is not intended to be used in the mouth! The material can be used to create substructures for crown and bridge models. These models can be used as lost wax moulds in casting technology, e.g., in the production of dental restorations.

■ Processing

Finishing - the milled substructures can be separated from the blank by using tungsten carbide cutters or cutting discs suitable for wax.

Applying the casting channels - the rules for selecting and applying are based on the alloy or pressed ceramic used. Detailed information on the alloys can be found in the applicable processing instructions.

Embedding - Lining the casting sleeve with ceramic fleece. Mix in vacuum and embed the compound. Always observe the instructions for use of the embedding material used and the alloy or pressed ceramic used.

Disposal - Zenotec® Wax is made of pure synthetic wax. Residues can be reused for similar wax work. Disposal in normal household rubbish is also possible.

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■ Chemical composition

Synthetic Wax

■ Physical properties (guidelines)

Density ρ (at 20°C)	0.97	[g/cm ³]
Water solubility L	0.0	[µg/mm ³] → insoluble!

■ Thermal properties

Vicat softening temperature (melting point) T_V	100 - 130 [°C] or 212 - 266 [°F]
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