

## Instruction manual



English

Date of issue: 04. January 2018

### Indications for use:

TECNO MED is designed for the manufacturing of frictional elements on telescopic restorations or attachments.

### Contraindications:

If the material is used for indications other than those specified in these instructions for use, Zirkonzahn will not accept any liability for damage. TECNO MED can only be cemented in combination with suprastructures made of zirconia.

### Working instructions:

1. Mill resin discs while taking into account specific parameters for resin milling. Milling burs required for processing: CAD/CAM Milling Bur 2 L PMMA Premium, CAD/CAM Milling Bur 1 L PMMA and CAD/CAM Milling Bur 0.5 S PMMA.
2. Check milled framework for obvious chips or cracks. Only frameworks in perfect condition should be used for dental restorations.
3. Finish frame with a cross-toothed tungsten carbide bur.
4. Sandblasting with aluminium oxide, 50 µm with 2 – 2,5 bar.
5. Clean structure with alcohol and let it dry.
6. Apply Bonding Liquid. Follow the manufacturer's instructions.
7. Apply the adhesive cement.
8. Follow the cement manufacturer's general instructions for use.

### Precautions:

Should intolerance to the products be suspected, use them only after an allergy screening test has been performed with issue of medical statement of non-allergy conditions.

Avoid dropping the resin discs. Product quality and durability can be compromised if handled improperly. Disinfect the milled parts before inserting them in the patient's mouth.

The material was designed for a period of five years from the first contact in the patient's mouth. Every year, the attending dentist should examine the work and decide whether it can remain in the mouth of the patient. The attending dentist must inform the patient in this regard before treatment. Due to the fact that after this period of time optical and mechanical defects/damage to the material can occur, Zirkonzahn recommends removing the work and replacing it with a new. The implant's hygiene lies with the dentist. These instructions for use correspond to the current state of technology and our own experiences. The dentist will be held fully responsible as regards correct use of the product.

The manufacturer is not liable for any unsatisfactory results, as he does not have any influence on further processing.

The dental technician shall inform the dentist as regards the operations to be performed before inserting the part into the patient's mouth, making sure that the dentist has received all of the information contained in these instructions for use. Any claims for damages shall concern exclusively the commercial value of our products.

### Safety Instructions:

The Dust from grinding can irritate eyes, skin or mucous membranes, take protective measures. For more information for safe handling, please refer the safety datasheet.

### Dimensions:

Wall thickness (cervical): min. 0.3 mm

Wall thickness (occlusal): min. 0.3 mm

### Technical Data:

Density	1.3 g/cm³
Melting temperature	Approx. 340 °C
Water absorption	4.73 µg/mm³
Water solubility	1.67 µg/mm³
Flexural strength	174 MPa
E-modulus	4300 MPa

### Storage and durability:

Store the device in the original packaging, in a dry place at room temperature. Do not expose to physical impact or vibration, avoid contact with liquids, protect discs from contamination.

### Handling:

The product may only be used by specifically trained personnel. Avoid any exposure to humidity. Avoid exposure to dust. Ensure adequate ventilation.

**CAUTION:** US Federal law restricts these devices to sale by or on the order of a licensed practitioner in the dental sector.

### Information:

**Producer:** Zirkonzahn S.r.l.

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N.B.: All medical products and all products with open packaging are nonreturnable.

# Zirkonzahn®

## TECNO MED

### GS024

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## Legend

Explanation of symbols used

# REF

 Article number

Read Instructions



LOT number



Date of production



Producer



To be sold by or on the order of a licensed dentist