

1.General: The K2 Zirconia Blank developed by Yeti is a medical system for use in the field area of dentures. These instructions contain a guide that must be observed to ensure proper use and compliance with safe conditions are guaranteed. It is essential to read these and in particular the instructions before first use of K2 Zircon Blanks.

1.1 Product

<u>Diameter</u>	<u>Name / Color</u>	<u>Item No.</u>	<u>10 mm</u>	<u>12 mm</u>	<u>14 mm</u>	<u>16 mm</u>	<u>18 mm</u>	<u>20 mm</u>	<u>25 mm</u>
98,5 mm	translucent	397.....	-0010	-0012	-0014	-0016	-0018	-0020	-0025
98,5 mm	extreme translucent	397.....	-2010	-2012	-2014	-2016	-2018	-2020	-2025

<u>Diameter</u>	<u>Name</u>	<u>Color</u>	<u>Item No.</u>	<u>12 mm</u>	<u>14 mm</u>	<u>16 mm</u>	<u>18 mm</u>	<u>20 mm</u>	<u>22 mm</u>	<u>25 mm</u>
98,5 mm	Geo5	A1	396....	-9012	-9014	-9016	-9018	-9020	-9022	-9025
98,5 mm	Geo5	A2	396....	-9112	-9114	-9116	-9118	-9120	-9122	-9125
98,5 mm	Geo5	A3	396....	-9212	-9214	-9216	-9218	-9220	-9222	-9225
98,5 mm	Geo5	A3,5	396....	-9312	-9314	-9316	-9318	-9320	-9322	-9325
98,5 mm	Geo5	A4	396....	-9330	-9321	-9332	-9323	-9324	-9335	-9326
98,5 mm	Geo5	B1	396....	-9412	-9414	-9416	-9418	-9420	-9422	-9425
98,5 mm	Geo5	B2	396....	-9512	-9514	-9516	-9518	-9520	-9522	-9525
98,5 mm	Geo5	B3	396....	-9540	-9521	-9542	-9523	-9524	-9545	-9526
98,5 mm	Geo5	B4	396....	-9530	-9531	-9532	-9533	-9534	-9535	-9536
98,5 mm	Geo5	C1	396....	-9600	-9601	-9602	-9603	-9604	-9605	-9606
98,5 mm	Geo5	C2	396....	-9615	-9614	-9616	-9618	-9620	-9622	-9625
98,5 mm	Geo5	C3	396....	-9607	-9621	-9609	-9623	-9624	-9612	-9626
98,5 mm	Geo5	C4	396....	-9630	-9631	-9632	-9633	-9634	-9635	-9636
98,5 mm	Geo5	D2	396....	-9640	-9641	-9642	-9643	-9644	-9645	-9646
98,5 mm	Geo5	D3	396....	-9650	-9651	-9652	-9653	-9654	-9655	-9656
98,5 mm	Geo5	D4	396....	-9660	-9661	-9662	-9663	-9664	-9665	-9666
98,5 mm	Geo5	BL1	396....	-9712	-9714	-9716	-9718	-9720	-9722	-9725
98,5 mm	Geo5	BL2	396....	-9812	-9814	-9816	-9818	-9820	-9822	-9825
98,5 mm	Geo5	BL3	396....	-9832	-9834	-9836	-9338	-9840	-9842	-9845
98,5 mm	Geo5	BL4	396....	-9852	-9854	-9856	-9858	-9860	-9862	-9865

1.2. Manufacturer's address: Yeti Dentalprodukte GmbH, Industriestraße 3, 78234 Engen, Germany
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2. General information Yttrium-stabilised and highly translucent zirconium oxide. The magnification factors are always indicated on the K2 zirconia blank and may vary depending on the batch and are to be used by specialised dental technicians for dental restorations in the patient's mouth. It must be processed with a manual or CNC-controlled processing system and complies with the essential requirements of EU Directive 93/42. Store in a frost-proof place, away from contamination and protected from shocks and impacts. After use, return the remaining K2 Zircon Blank to its original packaging.

3. indication

For the fabrication of crowns, bridges and monolithic restorations using a milling machine and a created stl-file. K2 zirconia blanks can be used for both anterior and posterior teeth.

Table 1: Recommended use of the maximum number of intermediate links

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Instructions for use

	Single crowns		Bridges/Pontics	
	Front/Anterior	Page/Posterior	Front/Anterior	Page/Posterior
K2 Zirkon Blank translucent	X	X	2	2
K2 Zirkon Blank extreme translucent	X	X	1	1
K2 Zirkon Blank Geo 5	X	X	1	2

All K2 Zirkon Blanks, except K2 Zirkon Blank layered Geo 5 which must not be coloured with colouring liquid, can be treated with Dip & Brush K2 CAD CAM Zirkon Liquid. This must only be carried out by qualified and authorised personnel.

3.1 Instructions for use

Only trained and experienced dental technicians have the skills required for the proper use of this medical device. product with the necessary prerequisites.

The product K2 Zirkon Blank white classic and translucent is a semi-finished product and must be processed professionally and according to proven methods. In the case of bridges, it is recommended that the connection points are reinforce a garland as much as possible. Sufficient wall thickness must always be ensured. Restorations up to a maximum of 14 units are possible.

Extreme translucent are highly translucent zirconium oxides, which are particularly suitable for monolithic restorations and are suitable for restorations of max. 3 units in the anterior and posterior region.

Spans exceeding our recommendations are not permitted

The K2 Zirkon Blanks layered Geo 5 are particularly suitable for monolithic restorations. The vertical height positioning plays a decisive role in the colouring of the restoration.

The blank heights of 14, 16, 18 and 20 mm ensure that there is sufficient space for vertical displacement of the restoration. The higher the selected blank, the easier the positioning in the lighter or darker area. Restorations up to a maximum of 14 units are possible.

Please always enter the correct magnification factors.

3.2 Colouring

Dip the milled zirconium element with a plastic **holder** into the Dip&Brush K2 CAD CAM zirconium liquids according to the manufacturer's instructions or paint with it (infiltration technique). Then carefully blow off with compressed air on an absorbent paper surface. Allow the colour to dry for approx. 30 minutes under infrared lamps or with the furnace door open. Then place the zirconium element in the sintering oven.

K2 Zirkon Blanks layered Geo 5 must not be coloured with colouring liquid.

3.3 Sintering process

Place the coloured zirconia element at room temperature in the sintering dish filled with sintering beads and place in the sintering furnace. Please refer to the following table. Experience with rapid sintering is not yet available.

Type	Art	Heating rate	Temp. max	Hold time	Cooling
translucent & extreme translucent	Crowns/Crown	600°C/h	1450°C	2h	Furnace Cooling
	Bridge	300°C/h	1450°C	2h	
Geo5	Crowns/Crown	600°C/h	1480°C	2h	
	Bridge	300°C/h	1480°C	2h	

No further work may be carried out on the scaffolding completed in this way.

The thickness of the finished framework must be at least 0.5 mm. Only in

Use in conjunction with zirconia-compatible veneering ceramic.

Like all mineral elements, zirconium is slightly radioactive, but at 0.3 Bq per tooth, this is practically is not measurable. In comparison, the radioactivity of an adult person is around 6000 Bq.

4. Notes on storage

The K2 Zirkon blanks can be used until the product is completely used up.

In the event of an impact, cracks may occur in the ceramic block or it may break. It is therefore recommend it

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Instructions for use

- Store and transport in the original packaging
- handle with care to avoid bumps and knocks.
- carry out a visual inspection of the entire surface (cracks) and, in case of doubt, after an impact or impact (risk of cracking during sintering).

The final product must be cleaned and disinfected by the dentist before insertion into the mouth. become.

K2 Zirkon Blank is porous and white in colour. The zirconium-based ceramic (yttrium-stabilised Zirconium) exists as discs.

Unpack the product carefully and ensure that it is not knocked against anything. Shocks

Carefully secure the K2 Zirkon Blank product in the machine, but do not tighten it.

firmly clamped. The instructions from the manufacturer of your machine must be strictly adhered to.

Enter the value (scaling factor) that corresponds to the data in the file for processing the product K2 Zirkon Blank must be added. Process the material as indicated. After sintering, allow to cool to room temperature before working on the framework.

Sandblast the zirconium framework with aluminium oxide 50 µ and clean with steam. The veneering ceramic can now be applied

Before inserting the denture into the mouth, the following must be done in accordance with good clinical practice cleaning and disinfection.

5. contraindication

All spans or number of intermediate links not listed in Table 1 and under 3.1. Bite ratios,

Dental condition or age of the patient which, in the opinion of the dentist, makes a ceramic restoration inadmissible. make. Hypersensitivity of the patient to zirconium oxide or its components.

6. safety instructions

The maximum speed of the drills for zirconium processing should not exceed the manufacturer's specifications or 20,000 rpm.

Processing should be carried out slowly and with little pressure to achieve the best possible results. Constructions with material defects (cracks, flaking). Wear eye protection, a face mask and

Do not dispense with the suction device during processing. Do not touch restorations when they are hot.

Only process zirconium oxide if there is no hypersensitivity to its components. Only sintered

Place restorations in the patient's mouth.

7. Warranty

The K2 Zirkon Blank is guaranteed for one year against manufacturing defects due to material defects.

The guarantee does not apply to

- improper use or non-compliance with the instructions given in this description,

- non-compliant use of K2 Zirkon Blank, negligence during processing, or a

Error in the design of the Zikon construction.

- force majeure or transport damage to the delivered parcel for which the transport company is liable.

no reservations were made.

Within the scope of the guarantee, Yeti Dentalprodukte GmbH will replace the unprocessed material free of charge. The condition for this is the return of the defective parts for the purpose of an analysis. A

Further compensation is excluded.

7.1 Customer service:

In the event of any problems in connection with processing or suggestions for improvement

we recommend that you make a note of the lot number and contact Yeti Dentalprodukte GmbH.

7.2 Disposal:

After inserting the dental prosthesis into the mouth, the product must be treated as hazardous medical waste.

handle. Please observe your regional regulations














8. for attention

All legally valid regulations for ordering, processing and disposal must be observed. **The SSCP can be viewed at: www.ec.europa.eu/tools/eudamed under the item number.**

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Instructions for use

9. symbols

	Manufacturer
CH-REP	Authorised person Switzerland
	CE mark
	FOR DENTAL PROFESSIONALS ONLY (USA)
	Non-sterile product
	Catalogue number
	Batch number
	Date of manufacture
	Can be used until
	Medical device
	Follow the instructions for use
	Not reusable
	UDI symbol
	HIBC mark

Technical data:

Shape
Disk

Dimensions (mm)
98,5

Thicknesses (mm)
10,12,14,16,18,20,22,25

Weight (g)
250 - 671

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