

Indications

EXAMPLE Zirconia IFU (Instruction for Use)

Pre-Shaded Mono Layer Strength 1100Mpa Translucency 48%

Zubler 3:45 is indicated for use in the construction of custom all ceramic restorations in the anterior and posterior region, including full arches and implant supported full arch constructions.

Caution: Prescription required. Federal law restricts sale of this material to dental health professionals.

SignalZubler 3:45 is a zirconia-based ceramic provided in various shapes such as round and/or square, are for use in the
manufacture of dental all ceramic crown substructures and are classified into ISO 6872 Type 2 Class 5.Zubler 3:45 is used in the manufacture of ceramic restorations through a milling process utilizing dental CAD/CAM
systems (Computer Aided Design/Computer Aided Milling System). Many different shades are offered to meet the
needs of each patients' tooth color. Various shapes are offered to accommodate various milling machine jigs.

Preparation	Inspect the product for damage, impurities, and/or defects. Confirm the exterior shape of the product is appropriate for use. Confirm the product is the desired shade, size, and meets all the requirements intended for use. Confirm the product meets the prescription requirements

	1.	Always Install the product into the correct jig of the desired milling equipment.
	2.	When preparing the cam, please be mindful of the shrinkage fracture of the material prior to milling. The
a		shrinkage factor can be found on the disc and/or on the box of the material (Example: The minimum thickness;
Use		before sintering, approx6mm, after sintering, approx. 0.5mm.)
For	3.	Check milling machine burs prior to milling! Then proceed with the milling process.
	4.	After milling, remove the bridge or arch carefully.
ion	5.	If wet milling or if color liquids are used: Use a drying oven to dry at 250°F for 1 hour, prior to placement in the
Instructions		sintering oven. *If an arch or large structure is wet when placed in the sintering oven it will crack when used with the fast
		climb rate.*
-	6.	Place into the sintering oven being mindful of placement and proximity to other work. Always check the
		sintering schedule prior to sintering. Do not include other types of zirconia or PTCR rings with the sintering cycle.

Sintering parameters for approved (verified) ovens

IMPORTANT	sintering Sintering Verified p Support s Sintering	to avoid cracking with h schedules are provided rocess parameters inclu tructures are not requir dishes must remain cov	(especially arches) should be dried in an oven at 250°F for 1 hour prior to igh heat rates. Dry zirconia also decreases oxidation in MoSi2 elements. for the verified ovens listed below using the program slots listed. Ide the use of covered speed sintering dishes and sintergranulate (not beads). ed when sintering with Sintergranulate (not sintering beads). ered throughout sintering until cooled Below 50°C. vls on conductive surfaces or near cool or moving air.			
	MIHM-VOGT	HT-2/M/Zirkon-120	Program slots 15-20 (Ventilated Cooling Programs)			
Ovens:	MIHM-VOGT	HT-2/M/Zirkon-120	Program slots 15-20 (Ventilated Cooling Programs)			
	MIHM-VOGT	HT-SPEED	Program slots 23-24 (Ventilated Cooling Programs)			
Verified	MIHM-VOGT HTS-SPEED		All Program Slots			
Ver	ZUBLER	VARIO S400	All Program Slots - NOTE*(Door opening temperature max 400°C)			
	ZUBLER	VARIO S430	All Program Slots - NOTE*(Door opening temperature max 400°C)			
	Times and temp		htly for other ovens with other media and may require some testing prior to			
	production usage. Contact Zubler USA for more infornation.					

www.zublerusa.com

sales@zublerusa.com



Zirconia IFU (Instruction for Use Continued)

	Important! *Tray must remain covered throughout the sintering process with a speed capable lid or second speed tray. *				
am	Stage	Stage Temperatures	Heat/Cool Rate	Hold (Target) Temperature	Holding Time
ogra	S1	Room Temp. to 750°C	70°C/Min.	750°C	0
Full Arch P	S2	750°C to 1530°C	23°C/Min.	1530°C	120
	\$3	1530°C to 1300°C	30°C/Min.	1300°C	0
	S4	1300°C to 1000°C	70°C/Min.	1000°C	0
	S 5	1000°C to Room Temp.	*Cool covered (with lid or second bowl) until below 100°C or to room temperature*		

			*No Cover is necessar	y for single units *	
am	Stage	Stage Temperatures	Heat/Cool Rate	Hold (Target) Temperature	Holding Time
Prograi	S1	Room Temp. to 1000°C	99°C/Min.	1000°C	0
Unit P	S2	1000°C to 1300°C	50°C/Min.	1300°C	0
Single Ur	S 3	1300°C to 1530°C	30°C/Min.	1530°C	60
	S4	1530°C to 1000°C	99°C/Min.	1000°C	0
57	S 5	1000°C to Room Temp	*Allow to cool	open until safe to the touch or to roo	om temperature*

 Zubler OSA does not recommend zirconia support/stabilizer be designed or miled for use with 3.45 during the recommended sintering process that includes the use of sintergranulate. 	Notes	•	Avoid placing warm sintering bowls on conductive surfaces (like granite, marble, stainless steel) or near cool or moving air (fans, air conditioning vents or open windows, etc.) Do not apply pressure while adjusting sintered body. For layering ceramic on 3:45, use a build-up powder for zirconia. Follow manufacturer recommendations. Zubler USA does not recommend zirconia support/stabilizer be designed or milled for use with 3:45 during the recommended sintering process that includes the use of sintergranulate.
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	Α.	Users are advised to inform themselves, their staff and those entering their premise of the possible hazards
		involved with zirconia materials.
	В.	Users are advised to read these instructions and maintain proper, storage, handling, and usage procedures to
suo		avoid injury and/or product failure.
Cautions	С.	Do not allow contact with children and/or seniors, prior to delivery to the dentist for placement.
Ğ	D.	Do not place 3:45 near an infection.
	Ε.	Avoid the application of pressure or impact while handling or during transport.
	F.	For use only by licensed dental professionals, dentists, or specialists.
	G.	It is recommended to follow the suggested firing parameters and
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Storage	А. В.	Avoid high temperature, humidity, and direct sunlight. Store at normal room temperature in a cool dry place.
Transport	А. В. С.	Transport with sufficient cushioning to avoid impacts. Do not drop or throw. Avoid the application pressure or impact while handling or during transport.

Disposal

A. The product is disposable and must not be reused.

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