



THE FINE DIFFERENCE FOR ZIRCONIA FRAMES



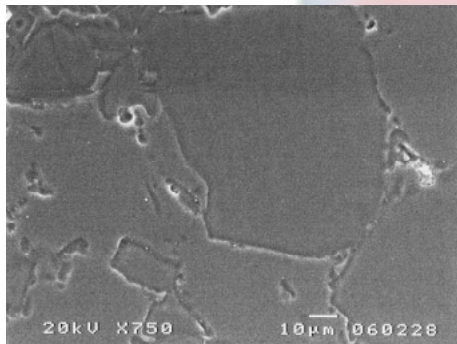
HIGH FUSING, FELDSPAR-BASED MICROCERAMIC FOR "ALL" ZIRCONIA FRAMES



ZR is an especially fine structured, leucite-reinforced micro ceramic, specially developed for the high demands in combination with "all" zirconia frames. The composition based on natural feldspar guarantees excellent bonding properties as well as an extremely high stability and strength of the attractive facings.

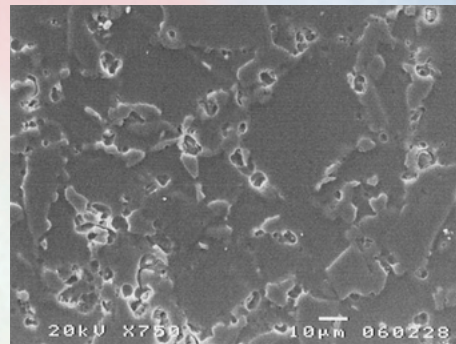
The direct comparison shows it clearly!

2nd firing



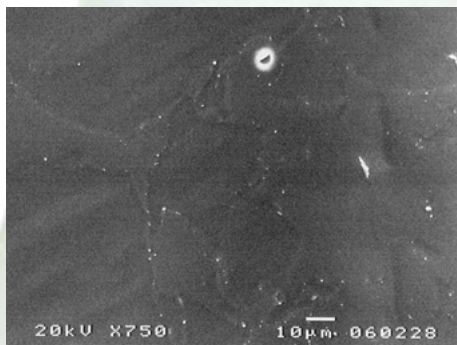
Glass-based zirconia veneer porcelain after 2nd firing

2nd firing



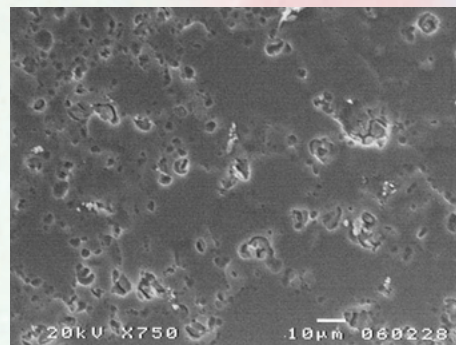
VINTAGE ZR after 2nd firing

4th firing



Glass based zirconia porcelains without crystalline structures feature sensitive elasticity values and are more prone to facet-like chippings during extreme intraoral loading.

4th firing



Even after more than four firings, VINTAGE ZR retains its homogenous fine particle Leucite structure and outstanding strength.

This technological property guarantees resistant restorations with less susceptibility to stress.

THE BENEFITS

SECURITY

- Safe and simple application on "all" zirconia frames
- Feldspar based micro ceramic with extraordinary high strength
- Excellent bonding characteristic due to high-fusing Opaque Liner
- Stable CTE, even after several firings
- Less abrasive to natural opposed teeth

EFFICIENCY

- Natural esthetics within an economic timeframe by a simple two-layer technique
- Low shrinkage during firing and homogeneous, dense surfaces
- Optimal working properties due to good build up stability and modelling characteristics
- Color correspondence with the **VINTAGE AL** and **VINTAGE MP** porcelain systems: "One concept for three systems"

VERSATILITY

- Highly fluorescent Margin and Cervical Trans powders
- Versatile applicable opalescent Incisal and Effect powders
- Matching to the VITA* Classical color system
- Additional bleaching colors are available

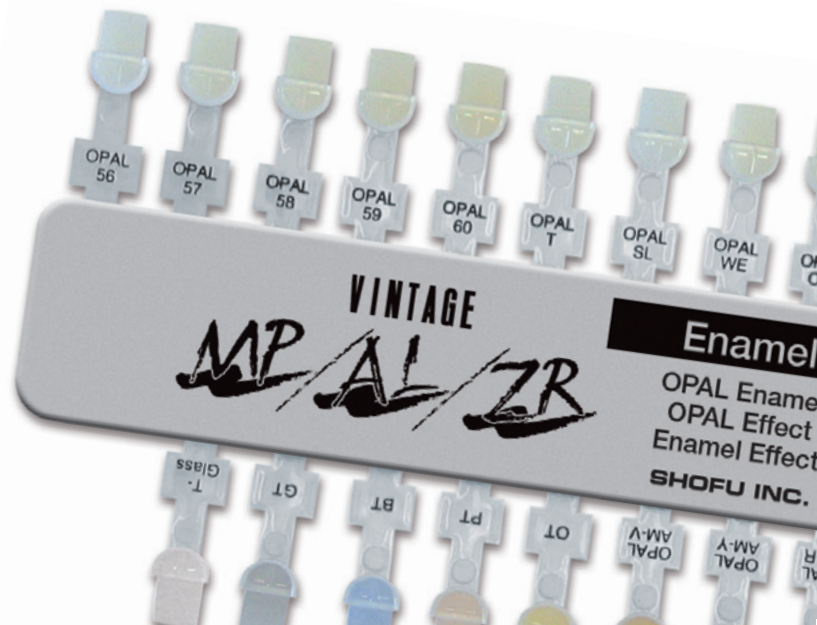


One color concept for three porcelain systems



The color matching of the **VINTAGE ZR** components is absolutely identical to the individual pastes and powders of the **VINTAGE AL** porcelain system for the facing of alumina or the **VINTAGE MP** porcelain line for the facing of conventional PFM alloys.

This correspondence offers you the secure reproduction of the desired tooth color for all technical challenges.



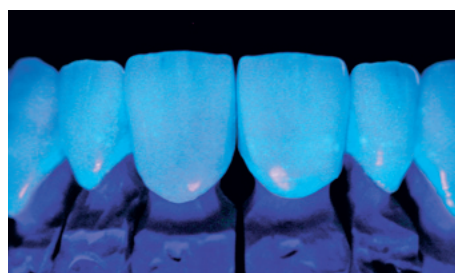
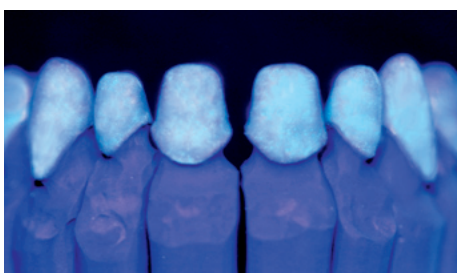
* VITA is a registered trademark of VITA Zahnfabrik, Bad Säckingen.

Perfect bonding



The exceptionally fine particle structure of the Opaque Liner enables a patient specific coloration of the frameworks, even with thin layers. Sufficient space is left for the following build up.

Natural fluorescence



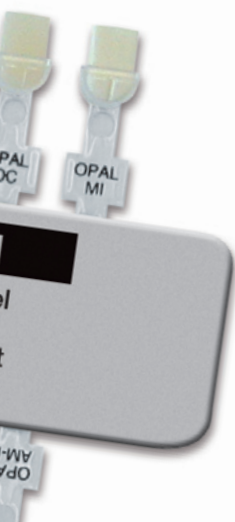
VINTAGE ZR convinces with naturalness under all lighting conditions.

The highly fluorescent Cervical and Marginal powders support that vital appearance. Applying these powders directly to the framework instead of Opaque Liners the natural color brilliance is accentuated by the high fluorescence of these powders.

Expressive opalescence



All the optical properties of natural teeth, such as light reflection, opalescence and translucency, are reproduced by the opalescent **VINTAGE ZR** Incisal and Effect colors. The porcelain restorations change their appearance concurrently and seem as natural as expressive.

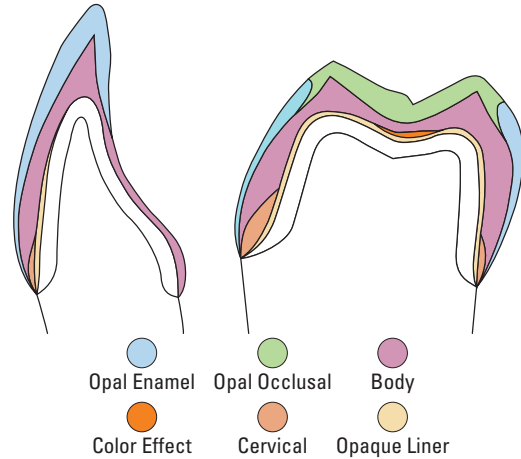


THE ECONOMIC PRINCIPLE

Maximizing the esthetics and minimizing the time spent

VINTAGE ZR enables a simple layering technique similar to the dentine-enamel structure of natural teeth with results that cannot be distinguished from nature.

The efficient working method is achieved with the extremely fine and homogeneous Cervical and Body powders, which guarantee natural color reproduction even with thin layers.



The colors – logically coordinated

Shade	A20	A30	A3.50	A2B	A3B	A3.5B	OD-N	OD-A3	OD-RootA
VINTAGE MP	●	●	●	●	●	●	●	●	●
VINTAGE AL	●	●	●	●	●	●	●	●	●
VINTAGE ZR	●	●	●	●	●	●	●	●	●

Shade	CT-CL	CT-A	MY	Miv	O	Red	Y	AC	ADD-ON B
VINTAGE MP	●	●	●	●	●	●	●	●	●
VINTAGE AL	●	●	●	●	●	●	●	●	●
VINTAGE ZR	●	●	●	●	●	●	●	●	●

Shade	OPAL 58	OPAL 59	OPAL 60	OPAL T	OPAL SL	OPAL OC	OPAL AM-R	OPAL AM-Y	BT
VINTAGE MP	●	●	●	●	●	●	●	●	●
VINTAGE AL	●	●	●	●	●	●	●	●	●
VINTAGE ZR	●	●	●	●	●	●	●	●	●

All shades of the VINTAGE ZR system are coordinated logically like those of the VINTAGE AL and VINTAGE MP porcelains, thus allowing a color reproduction according to the VITA* Classical color system. A versatile range of individual, highly fluorescent powders for margin and cervical areas as well as Opalescent, Translucent Effect powders for creating individualized incisal areas are useful additions to the cost-effective porcelain concept.

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VINTAGE ZR System Sets

VINTAGE ZR AB Set

The economic introduction to the VINTAGE ZR technique with color groups A and B

VINTAGE ZR Enamel Effect Set

Opalescent Incisal and Translucent porcelains for an individual, natural light-transmission in the incisal area

VINTAGE ZR Margin Porcelain Set

Highly fluorescent porcelains for accurately esthetic margins

VINTAGE ZR CD Set

A practical addition to the VINTAGE ZR AB Set

VINTAGE ZR Color Effect Set

For natural effects to individualize Body and Cervical powders

VINTAGE ZR Whitening Set

Additional whitening colors for brighter restorations



Technical data overview

(According to EN ISO 9693/2000)

Even after several firings VINTAGE ZR shows an even expansion and a secure bonding to the zirconia framework.

		Coefficient of Thermal Expansion (25 ~ 500 °C)	Glass Transformation Point
Opaque Liner	2. / 4. Firing	$9.3 \times 10^{-6} \text{K}^{-1}$	620 °C
Margin	2. / 4. Firing	$9.3 \times 10^{-6} \text{K}^{-1}$	635 °C
Body	2. / 4. Firing	$9.4 \times 10^{-6} \text{K}^{-1}$	605 °C
Cervical Trans.	2. / 4. Firing	$9.4 \times 10^{-6} \text{K}^{-1}$	595 °C
Correction	2. / 4. Firing	$9.4 \times 10^{-6} \text{K}^{-1}$	585 °C

We would like to thank Mrs. Carla Gruber, Unterschleißheim, Germany and Mr. MDT German Bär, St. Augustin, Germany, for their friendly support and for providing the images.



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