



The fine difference for zirconia frames



# High-fusing, feldspar-based microceramic for "all" zirconia frames

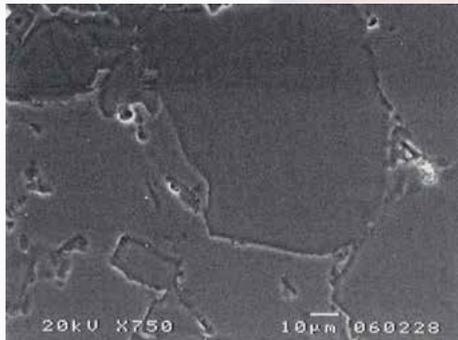


**Vintage ZR** is a particularly fine, homogeneously structured leucite-reinforced microceramic, specially developed for the high demands in combination with all available zirconia frameworks.

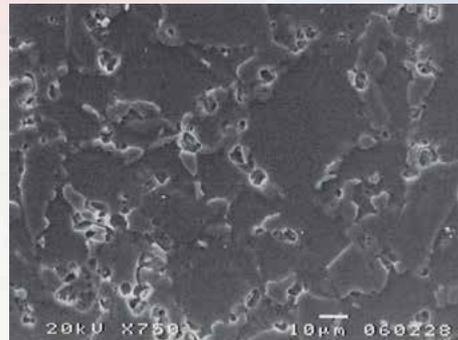
The composition is based on natural feldspar and guarantees excellent bonding properties as well as an extremely high stability and strength of the attractive facings.

## The direct comparison clearly shows it!

### 2<sup>nd</sup> FIRING

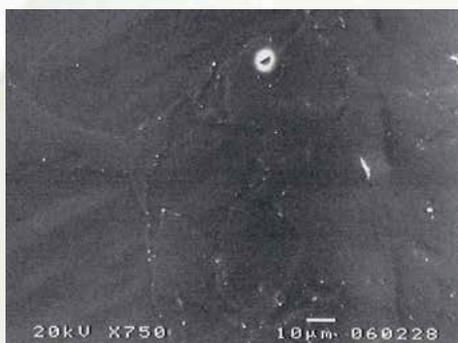


Glass-based zirconia veneering porcelain after 2<sup>nd</sup> firing

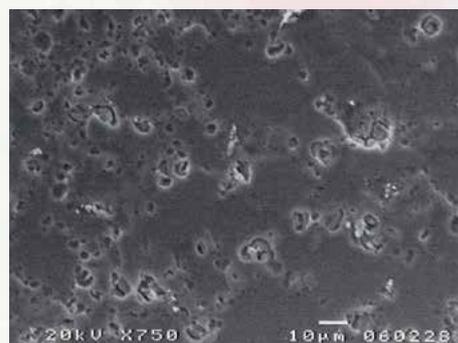


**Vintage ZR** after 2<sup>nd</sup> firing

### 4<sup>th</sup> FIRING



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



Even after more than four firings, **Vintage ZR** retains its homogeneous 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 microceramic 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 aesthetics 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
- Colour correspondence with the **Vintage MP** porcelain system: "One concept for two systems"

### VERSATILITY

- Highly fluorescent margin and cervical translucent powders
- Versatile applicable opalescent incisal and effect powders
- Matching to the VITA\* Classical shade system
- Additional bleaching colours are available



## One colour concept for two porcelain systems



The colour matching of the **Vintage ZR** components is absolutely identical to the individual pastes and powders of the **Vintage MP** porcelain line for the facing of conventional PFM alloys.



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

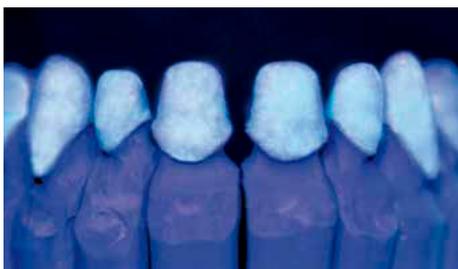


## Perfect bonding



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

## Natural fluorescence

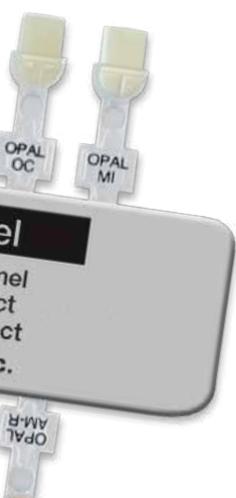


**Vintage ZR** convinces with naturalness under all lighting conditions. The highly fluorescent cervical and margin powders support that vital appearance. Applying these powders directly to the framework instead of Opaque Liners the natural colour brilliance is accentuated by the high fluorescence of 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 colours. The porcelain restorations change their appearance concurrently and seem as natural as expressive.

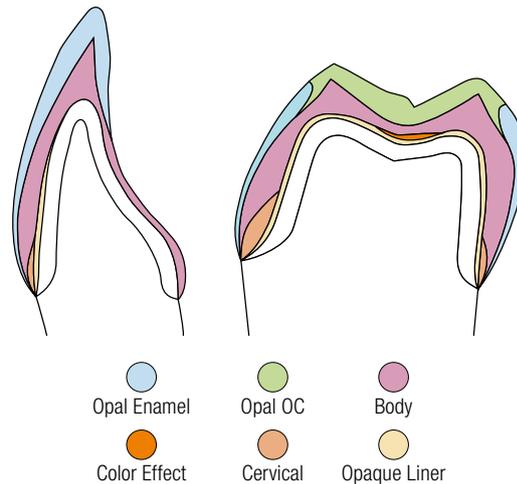


# The economic principle

## Maximising the aesthetics and minimising 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 colour reproduction even with thin layers.



## The colours – logically coordinated

Shade	A20	A30	A3.50	A2B	A3B	A3,5B	OD-N	OD-A3	OD-RootA
<b>VINTAGE ZR</b>									
<b>VINTAGE MP</b>									

Shade	CT-CL	CT-A	MY	Miv	O	R	Y	AC	Add-On B
<b>VINTAGE ZR</b>									
<b>VINTAGE MP</b>									

Shade	Opal 58	Opal 59	Opal 60	Opal T	Opal SL	Opal OC	Opal AM-R	Opal AM-Y	BT
<b>VINTAGE ZR</b>									
<b>VINTAGE MP</b>									

All shades of the **Vintage ZR** system are logically coordinated like those of the **Vintage MP** porcelains, thus allowing a colour reproduction according to the VITA\* Classical shade system. A versatile range of individual, highly fluorescent powders for margin and cervical areas as well as opalescent, translucent effect powders for creating individualised incisal areas are useful additions to the cost-effective porcelain concept.

# Order information

## VINTAGE ZR system sets

### VINTAGE ZR AB Set

The economic introduction to the VINTAGE ZR technique in the shades A1-A4, RootA and B1-B4

PN 9000

### VINTAGE ZR CD Set

A practical addition in the shades C1-C4 and D2-D4 to complete the AB Set

PN 9001

### VINTAGE ZR Whitening Set

Additional whitening shades for brighter restorations

PN 9002

### VINTAGE ZR Enamel Effect Set

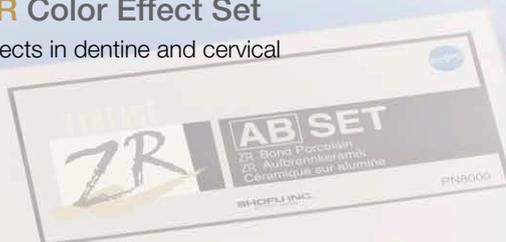
Opalescent and translucent incisal powders for an individual, natural light-transmission in the incisal area

PN 9003

### VINTAGE ZR Color Effect Set

For individual effects in dentine and cervical areas

PN 9005



## Technical data

(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 transition point (°C)
Opaque Liner	2 <sup>nd</sup> / 4 <sup>th</sup> firing	$9.3 \times 10^{-6} \text{K}^{-1}$	620
Margin	2 <sup>nd</sup> / 4 <sup>th</sup> firing	$9.3 \times 10^{-6} \text{K}^{-1}$	635
Body	2 <sup>nd</sup> / 4 <sup>th</sup> firing	$9.4 \times 10^{-6} \text{K}^{-1}$	605
Cervical Trans.	2 <sup>nd</sup> / 4 <sup>th</sup> firing	$9.4 \times 10^{-6} \text{K}^{-1}$	595
Correction	2 <sup>nd</sup> / 4 <sup>th</sup> firing	$9.4 \times 10^{-6} \text{K}^{-1}$	585

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

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**SHOFU INC.** 11 Kamitakamatsu-cho, Fukuine, Higashiyama-ku, Kyoto 605-0983, Japan  
**SHOFU DENTAL GmbH** Am Brüll 17, 40878 Ratingen, Germany, [www.shofu.de](http://www.shofu.de)

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