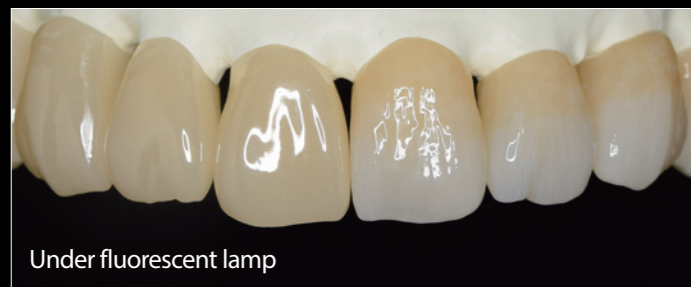


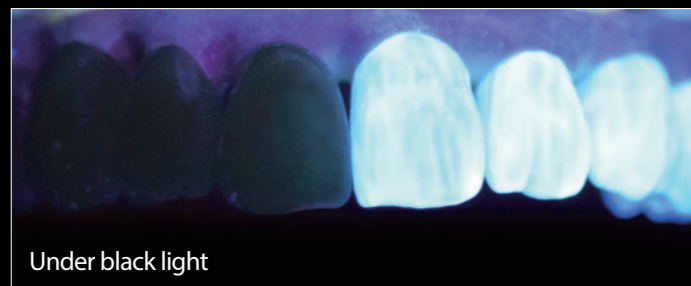
Aesthetic Qualities

LEFT Zirconia Full Crowns
SHT (Polished only)

RIGHT Zirconia Full Crowns
(same as on left),
SHT (Polished) + ZR STAIN



Under fluorescent lamp



Under black light

Using ZEO CE LIGHT ZR STAIN allows crown shades to be expressed with excellent aesthetics, as shown in the picture. The characterizing steps are as follows:

1. Apply Light Orange, Brown, Dark Brown and Amber on cervical areas to express cervical colors.
2. Apply White and Milky in the middle of the crown to express crown shades.
3. Apply Gray, Blue, Black, White on incisor areas to express translucency.
4. Apply Glaze and Opal Glaze on the whole crown to express the translucency and glossiness of the crown surface.

Fluorescence is added to each shade, and the fluorescent coloring as seen in the picture is obtainable under black light. Also, the degree of fluorescence can be enhanced by applying the special color "Fluorescent" on the surface layer.



ZEO CE LIGHT ZR STAIN

STAIN for ZR & PFZ

Firing Program

	Start Temp. (°C)	Drying Time (min.)	Heat Rate (°C/min.)	Vacuum Rate (kPa)	Vacuum Release (°C)	Firing Temp. (°C)	Hold Time (min.)	Cooling (min.)
Full contour zirconia	550	4	45	-97	850	850	1	0
Porcelain fused to zirconia	550	4	60	-97	850	850	1	0

Lineup

Glaze White Milky Light Orange Orange Brown Dark Brown Gray Violet

Blue Indigo Pink Dark Pink Yellow Khaki Amber Black Buff

Fluorescent Opal Glaze Shade A Shade B Shade C Shade D

Product Lineup



Controlled Medical Device Ceramics materials
ZEO CE LIGHT ZR
Identification Number: 227AFBZX00042000

Single Items

ZEO CE LIGHT ZR STAIN 3.5g (2 mL)
ZEO CE LIGHTZR STAIN Liquid (10 mL)



Characterizing with STAIN
(Left: SHT-A2 Right: SHT-A2 + ZEO CE LIGHT ZR STAIN)



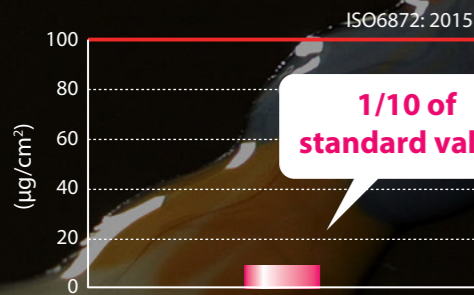
Each ZEO CE LIGHT ZR STAIN shade has added fluorescence to reproduce the natural appearance of the human teeth.

This product is a good match with zirconia, and it exhibits outstanding operability that helps to prevent uneven application.

ZEO CE LIGHT ZR STAIN

Physical Properties

Solubility

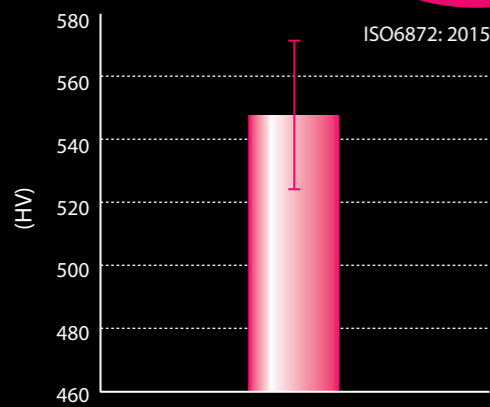


About 9 µg/cm²

1/10 of standard value!

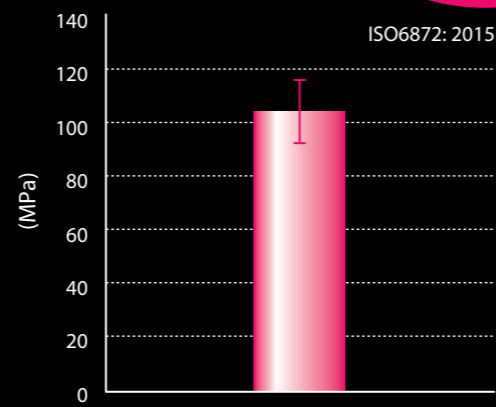
After 16 hours immersed into the 4% solution of acetate keeping 80 °C

Vickers Hardness



About HV550

Flexural Strength



104 MPa

	ZR STAIN	ISO 6872:2015
Solubility (µg/cm ²)	9	Less than 100
Flexural Strength (MPa)	104	More than 50
CTE (50°C~500°C) (×10 ⁻⁶ K ⁻¹)	7.5	-

Fluorescence and Opalescence

Special shade lineup : "Fluorescent" and "Opal Glaze"
To express natural teeth color

Fluorescence

All lineup has fluorescent already but "Fluorescent" can be used for enhancing fluorescence more.

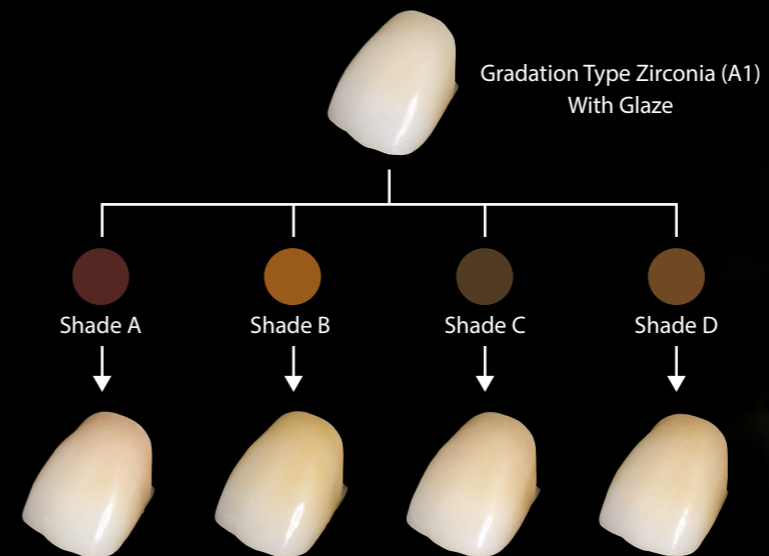


Opalescence

Opal Glaze can be used to express opalescence like natural teeth.



Shifting to A~D Shade



NOTE : Apply ZEO CE LIGHT ZR STAIN very thinly and adjust the color.

