英語版(CE あり) 17-07

Revised: 25 November, 2019

(Revision 6)

Identification Number: 227AFBZX00042000

Dental Material 2, Dental Crown Material Controlled Medical Device – Ceramics materials (70802000)

ZEO CE LIGHT ZR

[Contraindications and Prohibitions]

Do not use this product on patients who have a history of allergy such as rush or irritation to crown restorations with this product or similar products.

[Shapes, Composition and Principles]

This product consists of the following items and contains the ingredients listed below:

Item	State	Ingredients Ingredients		
Liner	Paste	Glass powder in the system SiO2, pigment, polyethylene glycol, etc.		
Dentine	Powder	Glass powder in the system SiO2, pigment, etc.		
Enamel	Powder	Glass powder in the system SiO2, pigment, etc.		
Accent	Powder	Glass powder in the system SiO2, pigment, etc.		
Supplement	Powder	Glass powder in the system SiO ₂ , pigment, etc.		
Stain	Paste	Glass powder in the system SiO2, pigment, propylene glycol, etc.		

[Intended use and effect / efficacy]

This product is used to produce restorations made from dental ceramics.

[Product Specification]

Physical Property

(Test method: ISO6872:2015)

Item	Requirement
Flexural strength	More than 50 MPa
Chemical solubility	Max. 100 micro-gram/
Liner thermal expansion	Shall not deviated by more than 0.5 × 10-6/K from the stated value Stated value: Firing 2 times, 4 times Liner: 10.0 Dentine, Enamel: 9.6
Glass transition temperature	Shall not deviated by more than 20 degrees C. Degree from the stated value. Start Value: Firing 2 times, 4 times Liner: 610 degrees C Dentine, Enamel: 590 degrees C

[Firing Schedule]

_	Dry Time (min.)	Start Temp.	Heat Rate (°C/min.)	Firing Temp.	Hold Time	Reducing Pressure (kPa)
Liner	5-10	450-500	60	920-940	1	97
Dentine	6-9	550-600	60	900-920	1	97
Self-Glaze	4	550-600	60	880-900	1	Air
Supplement	6	550-600	60	800-850	1	97
Stain	4	550-600	45-60	850-870	1	97

(NOTE)

- In case where Stain is used on the surface of Zirconia, Heat Rate should be set 45°C/min. In case where Stain is used for Ceramics, it should be set 60°C/min.
- Conditions, such as the above schedule is a guideline, not precise data. Conditions of firing are different depending on kinds or shapes of furnaces. Confirm the temperature and time by test firing before clinical case.

[Operating Instructions]

- 1. Liner Application and Firing
- ①In case where using Liner, paste type, agitate Liner in the container, scoop requisite amount on the pallet and then mix it until it reaches a uniform consistency by a spatula.
- ②Apply Liner thinly and condense lightly then fire as above mentioned schedule.
- 2. Dentine, Enamel and Accent Application and Firing
 - Mix each Dentine, Enamel, Accent with distilled water, and build up to the crown form. Fire as above mentioned schedule after condensation and water absorption.
- 3. Correction to shape and Glaze Firing
- ①Correct the shape using a carborundum, diamond point or white point.
- ②After correction to shape, clean by an ultrasonic cleaner with diluted water or alcohol. Then fire for glaze.
- 3 If necessary, build up by applying Stain or Supplement and fire.

[Technical Directions and Points for Attention]

- 1. Do not use this product in combination with other products.
- 2. Do not grind or polish this product in the mouth.

[Precautions]

- 1. Precautions
- ①Stop using this product and seek medical attention if any sign of allergy, such as rash, eczema, redness, ulcer, swelling, itching, numbness and etc. appears in patients.
- ②Operators who have a history of allergy such as irritation or rush to this product or organic solvent must wear plastic gloves to avoid direct skin contact. Operators must discontinue using and seek medical attention if any sign of allergy, such as rash, eczema, redness, ulcer, swelling, itching, numbness and etc.
- ③In case of eye contact, immediately flush with running water and consult a physician.
- 2. Important Basic Cautions
- ①When grinding and polishing this product, use exhaust fan and anti-dust mask approved by your local public safety agency in order to avoid inhaling dust. Wear safety goggles to protect the eyes.
- @Provide adequate ventilation during operation.

[Handling and Storage]

Keep out of reach of personnel other than dental staff.

[Expiry Date]

- 1. This product must be used before the expiry date printed on the package.
- 2. The expiry date printed on the package is based on our authentication.
- 3. The expiry date printed on the package refers to use expiry date.
- *(ex.; YYYY-MM means the last day of YYYY (year)/MM (month) as the expiry date)

[ZEO CE LIGHT ZR: Package]

Item	Shade	State	
Liner	L·A(1,2,3,3.5,4), L·B(1,2,3,4), L·C(1,2,3,4), L·D(2,3,4), L·G(1,2,3,4,5,0r), L·W(1,2,3,4)		
Dentine	D-A(1,2,3,3.5,4), D-B(1,2,3,4), D-C(1,2,3,4), D-D(2,3,4), D-W(1,2,3,4)	Powder	
Enamel	E-(1,2,3,4), OE(1,2,3,4,Amber)	Powder	
Accent	Opal 1, Opal 2, Snow White, White, Vanilla, Milky, Yellow Ocher, Mamelon Vanilla, Mamelon Orange, Mamelon Yellow, Occlusal Brown, Occlusal Orange, Occlusal Enamel, T-Natural, T-Glass, T-Clear, T-Opacity, T-Buff, T-Amber, T-Salmon, T-Gray, T-Violet, T-Blue, T-Baby Pink, T-Pink, G(1,2,3,4,5,6,7,0r)		
Supplement	SUP-(D,E,T)	Powder	
Stain	Glaze, White, Milky, Light Orange, Orange, Brown, Dark Brown, Gray, Violet, Blue, Pink, Yellow, Black, Indigo, Dark Pink, Amber, Khaki, Buff, Fluorescent, Opal Glaze, Shade A, Shade B, Shade C, Shade D	Paste	

