

Aidite

EZneer An Ideal Product Designed For Veneers

Difficult to collapse porcelain; Strong color-shielding ability with an exclusive whitening system and bonding solution.

Aidite

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■ Everyone with a healthy and beautiful smile

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Specially developed for zirconia veneers, EZneer has broken the previous translucency limit of zirconia and brought the zirconia material to a new level in terms of translucency. While ensuring ultra-high translucency, the strength of the material is also much higher than the traditional veneer material glass ceramic. When you are making veneer restorations, EZneer will bring you a new material experience.

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EZneer

Translucency and Strength



Strength
≥600MPa

Translucency
60%

Product Parameters

Material Physical Parameters

Sintered Density	Coefficient of Thermal Expansion K ⁻¹ (25~500°C)	Surface Monoclinic Phase Content After Accelerated Aging	Chemical Solubility	Radioactivity
≥6.0g/cm ³	(10.5±1.0) x10 ⁻⁶	<5%	<100µg/cm ²	<0.05Bq/g

Chemical Component

ZrO ₂	Y ₂ O ₃	Al ₂ O ₃	Other Oxides
90%~95%	4%~10%	≤0.5%	<0.5%

Indication

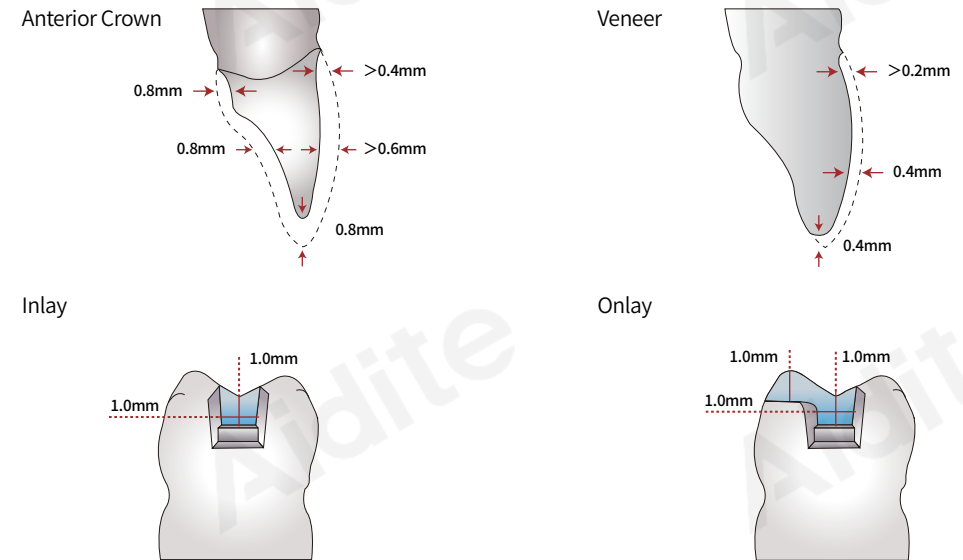
			
	Veneer	Anterior Crown	Inlay/Onlay
Preshade EW/BW/HV/LV	★	★	●
Multi-layer BWM/HVM/LVM	★	★	○

★ Recommended ● Available ○ Not Recommended

System

98mm	Girrbach	Zirkonzahn
D98*10 (H)	AG71*10 (H)	D95*10 (H)
D98*12 (H)	AG71*12 (H)	D95*12 (H)
D98*14 (H)	AG71*14 (H)	D95*14 (H)
D98*16 (H)	AG71*16 (H)	D95*16 (H)
D98*18 (H)	AG71*18 (H)	D95*18 (H)
D98*20 (H)	AG71*20 (H)	D95*20 (H)

Product Design and Preparation Guidance



Color Matching Products

The EZneer is equipped with a specified shade guide, clinical color matching guideline, clinical color matching manual and personalized color matching tool box, which allows the doctors and technicians to utilize the EZneer more efficiently and ultimately bring beautiful smiles to the patients.



✓ EZneer Color

Preshade Color: **EW / BW / HV / LV**

A preshade ultra-high translucency Zirconia material that is perfect for creating 0.3-0.5mm ultra thin aesthetic veneer restorations. Under the indication of natural abutment base color, it can easily achieve the ultimate aesthetic restoration effect of the anterior teeth.



Extra White

Extreme white color, in addition to having the characteristics of high translucency, but also retaining the extremely flawless bright white.



Bleaching White

A natural and highly transparent bleaching white color, developed for patients who require both natural and bleaching white effect.



High Value

High brightness color; This can be easily combined with the natural abutment base color to make aesthetic veneers, which is perfect for clinical cases where the natural adjacent teeth are high-brightness.



Low Value

Low brightness color; This can be easily combined with the natural abutment base color to create aesthetic veneers, which is perfect for clinical cases where the natural adjacent teeth are low- brightness.

Multi-layer Color: **BWM / HVM / LVM / H / A1 / B1**

As a ultra-high translucency multilayered Zirconia material this is perfect for creating 0.5-0.8mm aesthetic veneers and anterior restorations. This can reduce the effect of the dullness of the abutment and show a natural gradient effect, achieving the ultimate aesthetic restoration effect of the anterior teeth.



Bleaching White Multi-layer

Natural and high-transparent multilayered bleaching white color for making bleaching white aesthetic veneers.



High Value Multi-layer

High brightness multilayered color; When making aesthetic veneers, no need to dye or use porcelain to get a natural gradation effect, this is perfect for clinical cases where the natural adjacent teeth are high-brightness.



Low Value Multi-layer

Low brightness multilayered color for making aesthetic veneers; Perfect for clinical cases where the natural adjacent teeth are low-brightness.



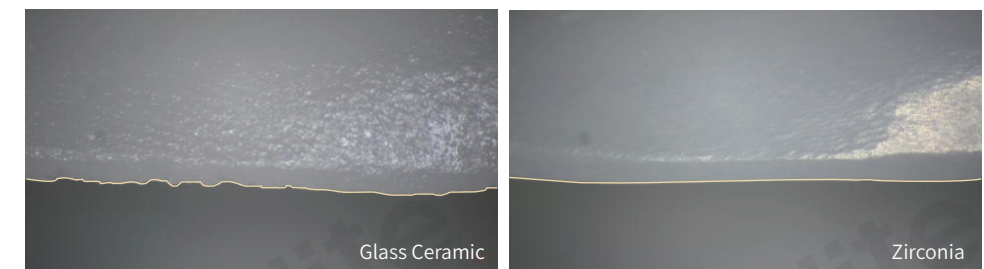
Hollywood White

High translucency, with natural transition and flawless bright white, specially designed for the needs of Hollywood white.

✓ Product Advantages for Veneers

✓ High strength and hard to collapse porcelain

The three-point bending strength of EZneer veneers is 40% higher than that of glass ceramics, which is not prone to chipping and cracking, it reduces the return rate and improves patient satisfaction (*The picture below shows the restoration observed under a 4.5X microscope)



✓ Good biocompatibility, non-sensitizing, non-toxic and non-irritating

✓ Strong color-shielding ability which allows more patients the opportunity to choose their shade.

EZneer translucency can meet the aesthetic requirements of the veneer material while at the same time it has a better color-shielding ability. Doctors are more confident to treat patients with poor abutment conditions, expanding the patient groups for veneer restorations.

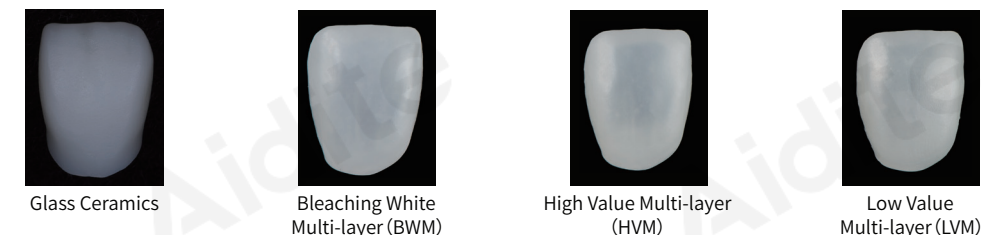


✓ Exclusive veneer color system + color matching products

EZneer material color is developed according to the veneer. It does not use the bleaching color number to define the material, but to define the material color following patients' desired intraoral color and it is equipped with a specified shade guide and clinical color matching guideline which allows doctors and technicians to utilize EZneer more efficiently and give their patients a better experience.

✓ Color Gradient; Restore natural teeth

EZneer can provide gradient colors, and the color effect is more realistic and natural than the single color of glass ceramics.



Veneer Bonding Solution

In order to solve the problem of "lost bonding" of clinical materials, EZneer is combined with Biomic-LiSi-connect through a glass melting technology to complete the surface modification of EZneer materials so that EZneer materials have the same clinical bonding effect as glass ceramics and improves the clinical bonding performance.



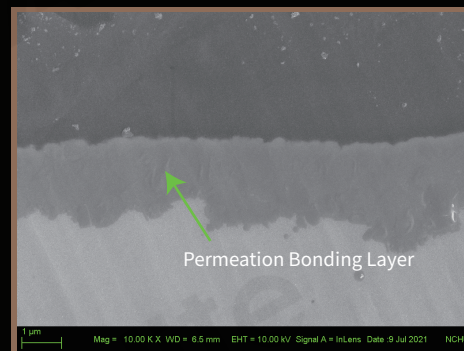
Biomic™ LiSi Connect
Material Bonding Pretreatment Agent



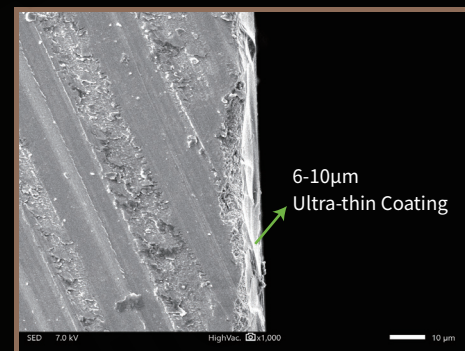
EZneer®
Veneer Material

Product Advantages

- Lithium disilicate coating penetrates EZneer and combines tightly which significantly improves the bonding strength of EZneer①
- Ultra-thin micron-sized lithium disilicate coating does not affect clinical positioning②
- Reliable adhesive force can be maintained for a long time
- Adhesive force can support EZneer veneer bonding



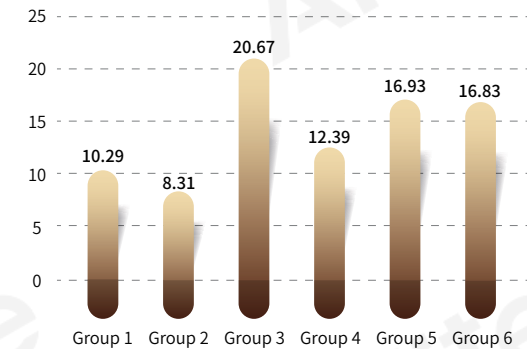
① LiSi connect After sintering, it will infiltrate zirconia to produce a bonding layer



② A 6-10µm ultra-thin coating will form on the surface of the zirconia which will not affect the restoration design and clinical positioning

Comparison of bonding strength before and after aging of zirconia under different conditions

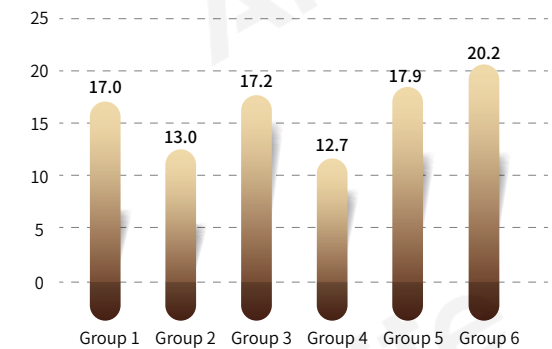
(Data from the project team of Professor Sun Yuchun, Peking University Stomatological Hospital)



- Group 1: The zirconia bonding surface has not been treated in any way and without aging treatment.
- Group 2: The zirconia bonding surface has not been treated in any way but with aging treatment.
- Group 3: The zirconia bonding surface has been sandblasted but without aging treatment.
- Group 4: The zirconia bonding surface has been sandblasted and with aging treatment.
- Group 5: The zirconia bonding surface was treated with Biomic-LiSi-connect and acid etched with 5% HF for 20s without aging treatment.
- Group 6: The zirconia bonding surface was treated with Biomic-LiSi-connect and acid etched with 5% HF for 20s, with aging treatment.

Comparison of bonding strength before and after aging of zirconia under different conditions

(The data comes from Mr. Chien-Ming Kang & Taipei Medical University)



- Group 1: The average bonding strength value of each medical literature for glass ceramics clinical standard bonding treatment.
- Group 2: The average bonding strength value of each medical literature for zirconia bonding surface treated with Z primer.
- Group 3: Cameo glass-ceramic clinical standard bonding treatment experimental value.
- Group 4: The experimental value of the Aidite zirconia bonding surface treated with Z primer.
- Group 5: The experimental value of Aidite zirconia bonding surface treated with Biomic-LiSi-connect and 5% HF acid etching for 20s.
- Group 6: The experimental value of Aidite zirconia bonding surface treated with Biomic-LiSi-connect and 5% HF acid etching for 100s.

Acid Etching Effect



Original Zirconia Surface After Spray After Sintering Acid Etching After Acid Etching

Unlike e.max glass ceramics, there will be a chalky color after acid etching due to the coating surface density after Biomic-LiSi-connect sintered is different from e.max glass-ceramics which leads to different appearances. However, from a microscopic picture, it can be seen that a good roughening effect of acid etching has been obtained.



Case 1 Material Used: BW (Bleaching White)

Producers: Sun Yuchun, Wang Shiheng
Time: August 2022



Case 2 Materials used: EZneer LVM (Low Value Multi-layer)/ BW (Bleaching White)

Producer: Chien-Ming Kang
Time: October 2021



Producer: Chien-Ming Kang
Time: December 2020



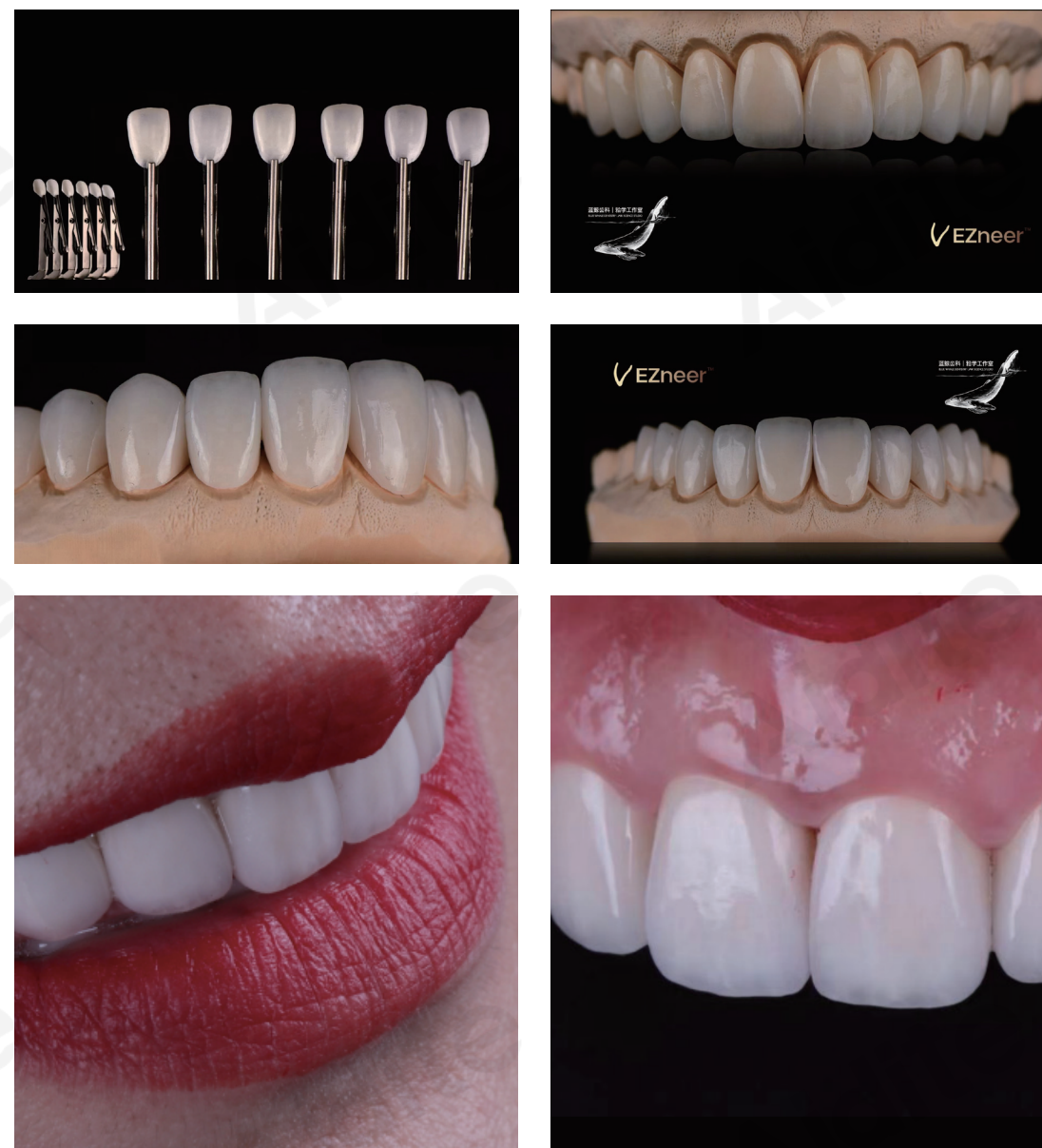
Case 3 Material used: EZneer LVM (Low Value Multi-layer)

Producer: Xu Yong
Time: April 2022



Case 4 Materials used: EZneer EW (Extra White)

Producer: Liu Yapeng
Time: August 2021





Case 5

Materials used: EZneer BWM (Bleaching White Multi-layer)/
EW (Extra White)

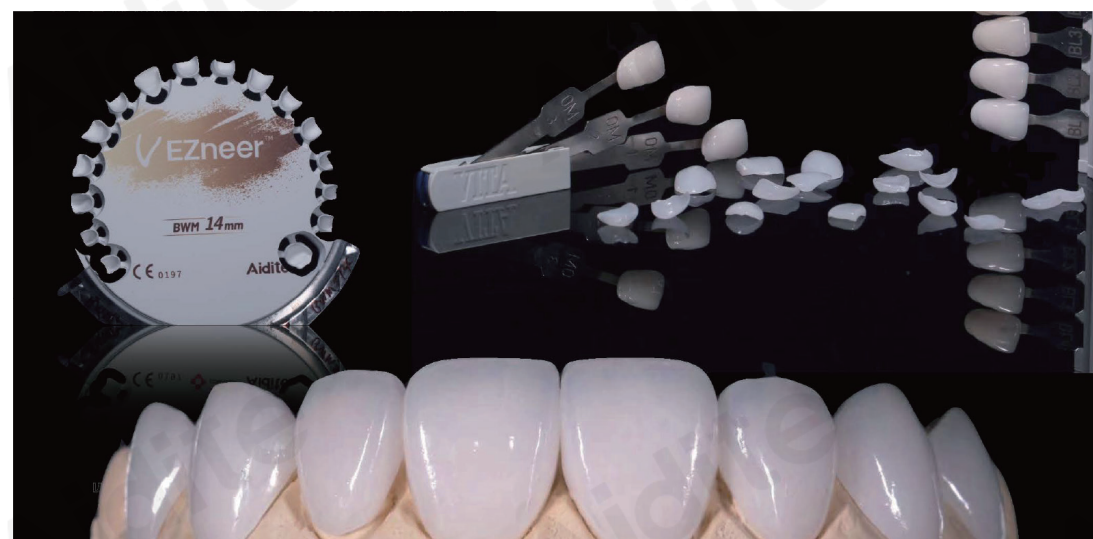
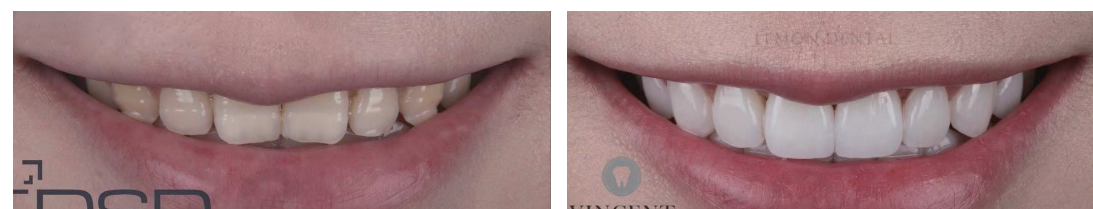
Producer: Huang Tingjian

Time: July 2022



Producer: Huang Tingjian

Time: May 2020



Case 6

Materials used: EZneer EW (Extra White)

Producer: Shao Ye

Time: September 2021



✓ Case 7 Materials used: EZneer LVM (Low Value Multi-layer)

Producer: Yang Tao
Time: August 2022



✓ Case 8 Materials used: EZneer H Hollywood White

Producer: 3D Smart Dent (Romania)
Time: May 2022



 **EZneer[®]**

Born for Veneer

