YiLiNK

Yilink

AESTHETICS SOLUTION



Global Aesthetic Materials Expert



Global Aesthetic Materials Expert

Multilayer+3D

All Ceramic Dentures



Global Aesthetic Materials Expert

ADVANTAGES

1. Suitable for all indications
2. Lower abrasion, easy to be polished
3. Best natural aesthetic, restoration-natural color, translucency and strength gradient
4. High strength enough to make full arch easily, low warpage rate

FEATURES

Strength

The 1100mpa part ensures that the long bridge restoration

Transparency

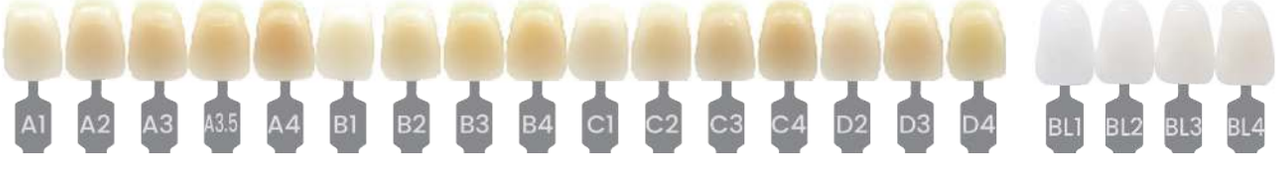
The highest transparency can reach 49%, achieving life-like transparency of nature teeth enamel

Color

Excellent color after sintering, can perfectly match the natural color effect



COLOR



SYSTEM

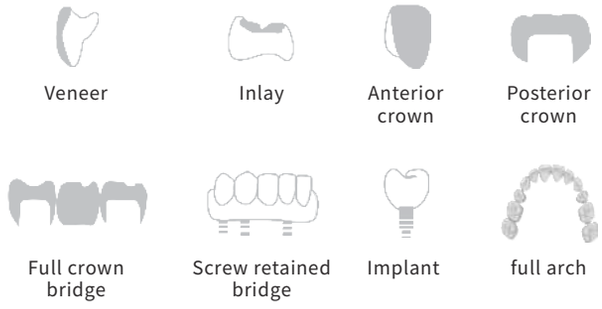


98mm 95mm 92x75mm Block

THINKNESS

· 12mm ·14mm ·16mm ·18mm ·20mm ·22mm ·25mm

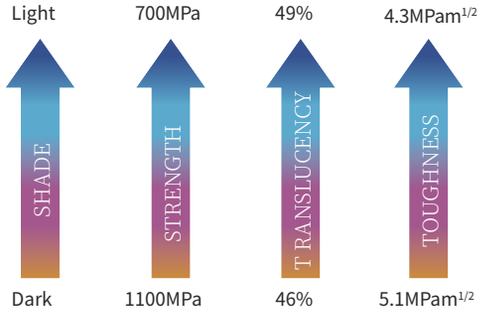
Recommended Indications





Chemical Composition

$ZrO_2+HfO_2+Y_2O_3$	≥99%
Y_2O_3	6.8%-10.0%
A_2O_3	<0.01%
Fe_2O_3	<0.15%
SiO_2	<0.01%
Others oxides	<0.7%



CASE PRESENTATION



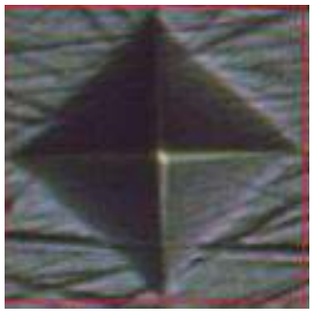
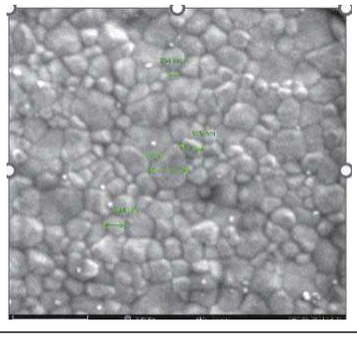
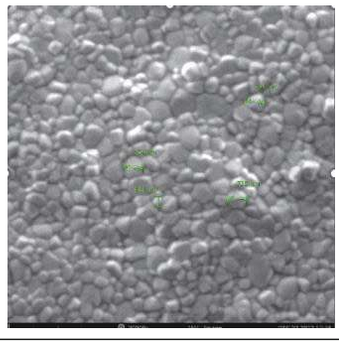


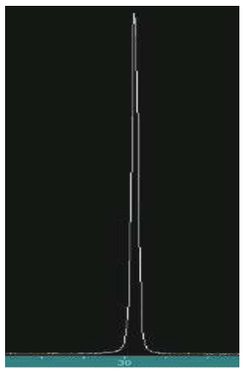
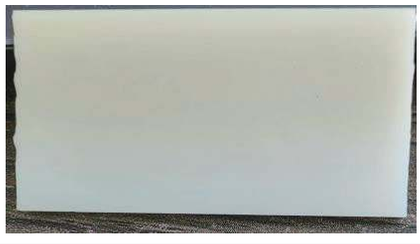




Multilayer-3D Test Report

Test sample batch	202312053Z1	
Test items	Test Results	Figures/Tables
Layer ratio	Layer 1: 18%	
	Layer 2: 10%	
	Layer 3: 10%	
	Layer 4: 10%	
	Layer 5: 10%	
	Layer 6: 42%	
Flexural Strength	Layer 1: 711.57± 36.53	
	Layer 2: 778.10± 31.14	
	Layer 3: 854.69± 38.33	
	Layer 4: 954.61± 29.31	
	Layer 5: 1028.00± 29.39	

	Layer 6：1103.36±35.94	3DA2 颈部挠曲强度测试报告 试验日期：2023-12-29 09:10:32 试验标准：GB 30367-2013 批号：20231205371 材料名称：3D 规格型号：层六 色号：A2 备 注： 试样宽度 试样厚度 断裂载荷 试验跨距 挠曲强度 单位 mm mm N mm MPa 试样 1 3.85 3.02 1011.02 25 1079.74 试样 2 4.10 3.28 1350.80 25 1148.40 试样 3 3.96 2.98 1062.03 25 1132.51 试样 4 4.25 3.38 1376.40 25 1063.05 试样 5 4.02 3.12 1140.66 25 1093.08 平均值 4.04 3.16 1188.18 25.00 1103.36
Light transmittance of each layer (haze value)	Layer 1：49% Layer 2：48.4% Layer 3：47.8% Layer 4：47.2% Layer 5：46.6% Layer 6：46%	
Final sintering density (g/cm3)	6.06	
Final sintering Vickers hardness (shallow surface)	1380.1±26.68	
Final sintering Vickers hardness (deep surface)	1400.7±15.843	
Cutting performance	Good	
Final sintering SEM (magnification 20,000 times) shallow surface	Picture	
Final sintering SEM (magnification 20,000 times) deep surface	Picture	

Aging index (monoclinic phase content)	0%	
Gradient effect	Natural transition, no layer gradient	
Wear teeth tightly	Tightly	

Test Conclusion：

- The 3D zirconia has 6 layers of gradient, from the neck to the incisal end, the strength is 1103 to 711MPA, and the transparency gradually increases from 46% to 49%;
- The proportion of strength>1100MPA is 42%, and that of strength>1000MPA is 52%. The high proportion can meet the strength requirements of half-mouth teeth and the strength requirements of teeth with larger arcs.
- The SEM image shows that the powder used in the product has uniform particle size, no abnormally large particles, and good product uniformity;
- The product aging index is 0, and there is no failure problem when used in the mouth for a long time;
- The product has a natural transition, the transition layer forms a fusion layer,and visible layerless gradient;
- The product has excellent manufacturing technology, and the different layers are matched to achieve consistent shrinkage, so there is no problem with wearing teeth;

3D Multilayer

Balance Zir

3D Multilayer



Being a multi-dental solution supplier

ADVANTAGES:

Color: The color effect and transparency effect are good, the main color accounts for 60%, and the color difference will be smaller for the tooth shape with larger curvature

Sintering: The sintering temperature is 1530°C, which is suitable for the sintering curve of all brands and is particularly less affected by temperature

Efficiency: 6-bridge fast firing 2 hours 50Min

Shrinkage ratio: The shrinkage difference of each layer of 3Dstandard is small, the deformation block is slightly deformed, and the shrinkage difference is 0.16%

FEATURES:

Strength

The 1200Mpa part ensures that the long bridge restoration

Transparency

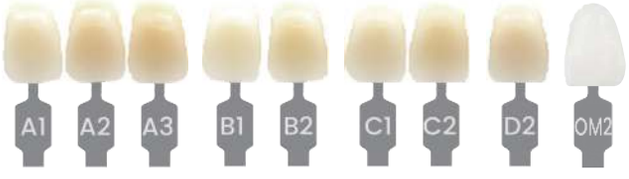
The highest transparency can reach 57%, achieving life-like transparency of nature teeth enamel

Color

Excellent color after sintering, can perfectly match the natural color effect



COLOR



SYSTEM



98mm 95mm 92x75mm Block

THINKNESS

· 12mm ·14mm ·16mm ·18mm ·20mm

Recommended Indications



Veneer



Inlay



Front Crowns



Posterior Crowns



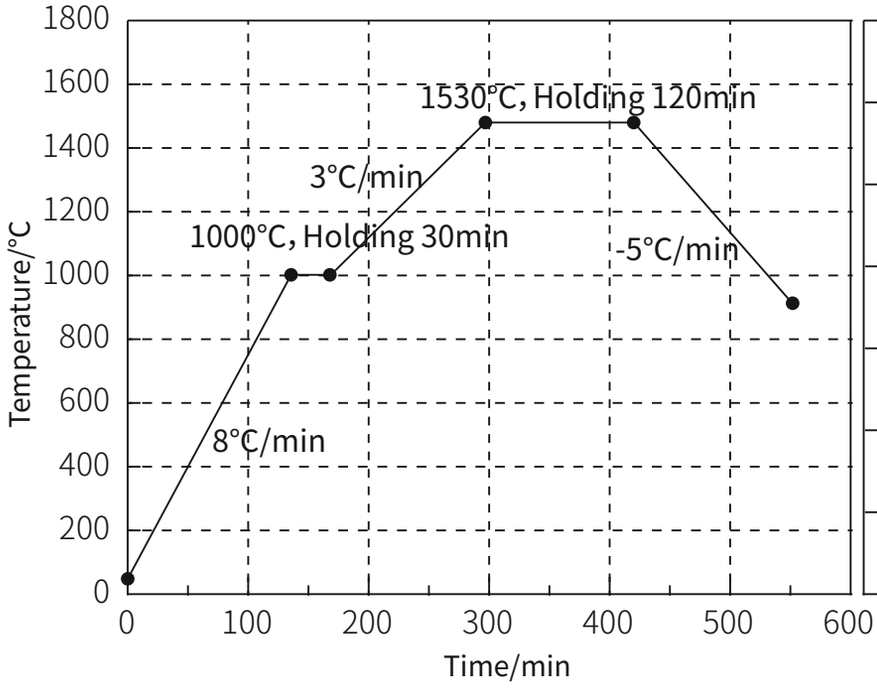
Full crown and bridge



Chemical Composition

Density (final sintering)	≥6.0 g/cm^3
Coefficient of thermal expansion	10.5(±0.5)*10^{-6} K^{-1}
Chemical solubility	< 100 ug/cm^2
Radioactivity	< 0.1 Bq/g
Three-point bending strength	700-1200 Mpa
Transparency	43%-57%

Sintering curve



No.	Temp/°C	Time/min
1	50	120
2	1000	30
3	1000	150
4	1530	120
5	1530	130
6	900	-121

Screw-retained bridge Zirconia

Multilayer



Global Aesthetic Materials Expert

ADVANTAGES

1. Zirconia for screw-retained bridges has seamless gradients in shade, strength, and translucency for a natural 3D effect.

2. Natural color- No staining needed! Benefit from precise shading and a seamless 3D effect for lifelike restorations.

3. High strength, neck ratio ≥40%, neck strength ≥1180mpa

4. Gradient zirconia, processed by Yilink special process, no deformation, you can trust in resilient bridges that minimize fractures and reduce rework.

FEATURES

Strength

The 1180mpa part ensures that the long bridge restoration

Transparency

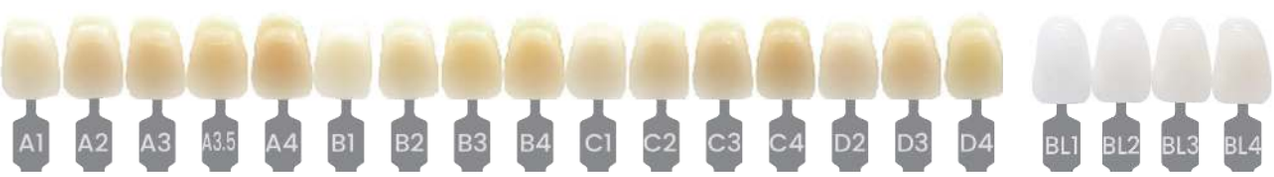
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COLOR



SYSTEM



98mm 95mm 92x75mm Block

THINKNESS

·22mm ·25mm

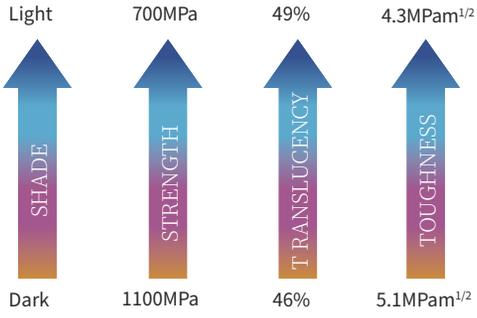
Recommended Indications



Screw retained bridge

Chemical Composition

$ZrO_2+HfO_2+Y_2O_3$	≥99%
Y_2O_3	6.8%-10.0%
A_2O_3	<0.01%
Fe_2O_3	<0.15%
SiO_2	<0.01%
Others oxides	<0.7%



CASE PRESENTATION









Yilink

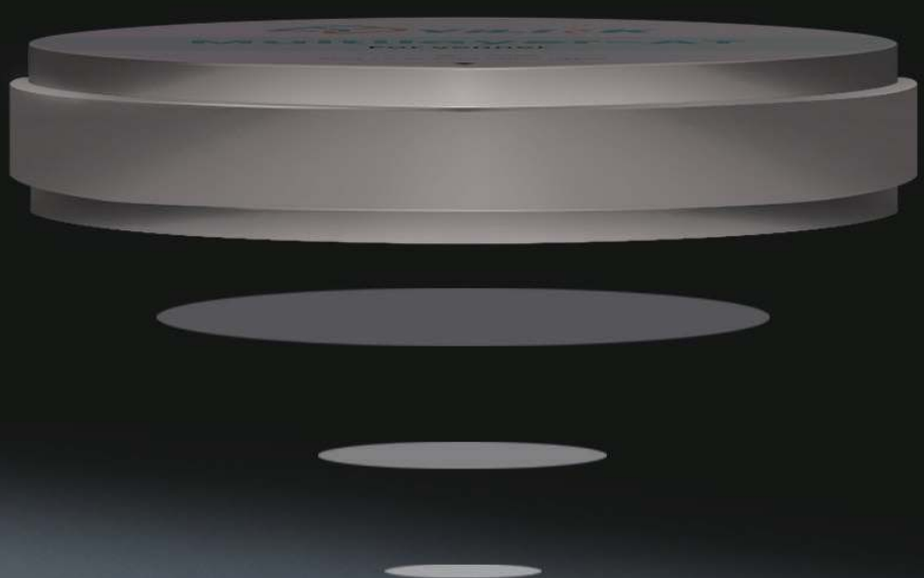
Zirconia Veneers

Multilayer-AT

Super natural veneers



Having beautiful smile



Yilink AT Veneer

Yilink Multilayer-AT veneer zirconia is a revolutionary aesthetic restoration material for anterior teeth, specially designed to meet the aesthetic restoration requirements of anterior teeth. This material breaks through the limitations of traditional blocks. Through exquisite craftsmanship and high-quality material application, it achieves stable and long-lasting strength and durability, meets the needs of various aesthetic restorations, and makes every restoration All can be seamlessly connected with natural teeth, giving patients a more natural and beautiful smile.

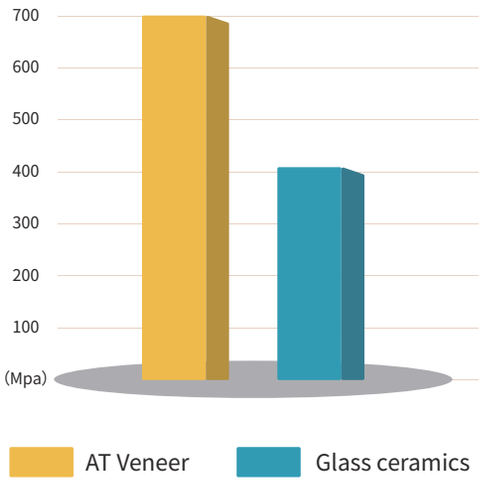
Strength and Transmittance

Strength
>700Mpa

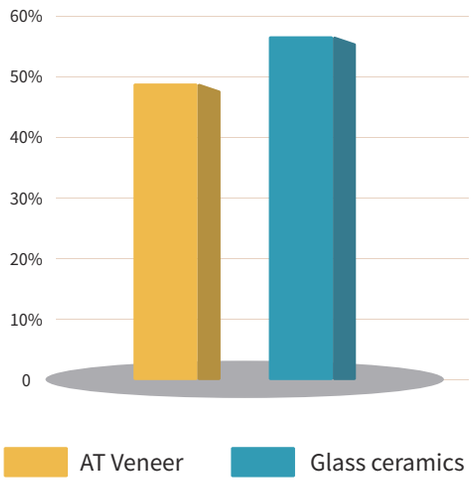
Transmittance
49%



Strength



Transmittance



Parameters	AT	Glass ceramics
Density before sintering	＞2.8 g/cm^3	2.3-2.7 g/cm^3
Density after sintering	⩾6.0 g/cm^3	2.3-2.7 g/cm^3
Thermalexpansion coefficient	(10.5±0.5) ×10^{-6} k^{-1}	(11.5±0.5) ×10^{-6} k^{-1}
Flexural strength after sintering	700 MPa	400±60 Mpa
Chemical solubility aftersintering	＜100 μg/cm^2	＜40 μg/cm^2
Radioactivity	＜0.1 Bq/g	＜0.05 Bq/g
Transmittance	49%	56%

Indication

Recommendation



Available



Not suggested



Color



A1 A2 A3 B1 B2 OM1 OM2 OM3

Advantage

▷ Color gradient, restore nature teeth. Multilayer AT can provide gradients color, and the color effect is more realistic and natural than glass ceramic

▷ High strength and high simulation make the restored teeth appear natural, flexible and more durable;

▷ 1.5H fast sintering to achieve immediate restoration;

▷ Simple operation, stable and efficient;

▷ The material has natural transparency and has a good color-shading effect on the abutment teeth, making it the best choice for aesthetic restoration of Anterior.

VIART Stain/Glaze

Embrace a journey of Vivid Art



Simple all-ceramic aesthetics

In order to let customers get rid of the impression of dull color of CAD\CAM all-ceramic restoration, New Stain/Glaze- VIART that is more suitable for all-ceramic crown restorations. The purpose of the product is to enable external dyeing technicians to perform external dyeing more simply and quickly, and the teeth produced with it can be closer to the aesthetic effect of natural teeth. VIART can also be used with other products to achieve the aesthetic effect of imitating natural teeth, the aesthetic effect of color can be maximized.

Why choose VIART Stain/Glaze?



Flexible and changeable

- Free to match, the three primary colors can be mixed into thousands of colors as you like
- Flexible technology, customized on demand, dyeing techniques can be selected

Universal compatibility

- Crossing the boundaries of materials, providing a consistent aesthetic coloring experience for imitation teeth of various materials
- Adapting to a variety of dyeing processes to meet the expectations of users with different skill levels

Easy to use

- Innovative Stain/Glaze, easy to apply and evenly spread, simplifying your dyeing process
- Moderate flow, perfect fluidity, easy to use

Real texture

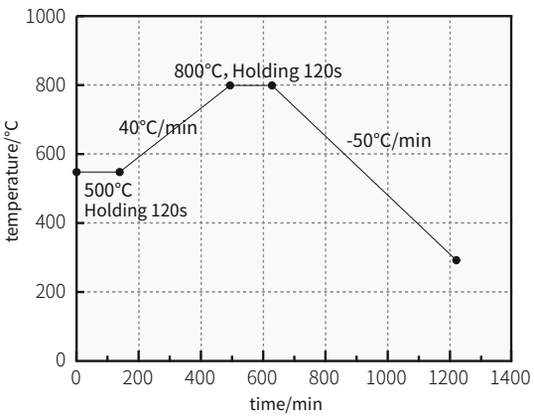
- High gloss effect is stable and reliable, preview is the finished product, what you see is what you get
- Realistic effect, every detail can stand the test

Physical Data

Flexural Strength	⩾50MPa
Chemical solubility	⩽100μg·cm^{-2}
Linear expansion coefficient	(9.5±0.5)x10^{-6}K^{-1} (0-500℃)
Glass transition temperature	PAS:(520+20)℃ POW:(580+20)℃

VIART Stain/Glaze sintering curve

Start temp	Holding time	Heating rate	Final temp	Holding time	Cool to	Cooling rate
500℃	120s	40℃/min	800℃	120s	300℃	50℃/min





VIART Stain/Glaze kit list

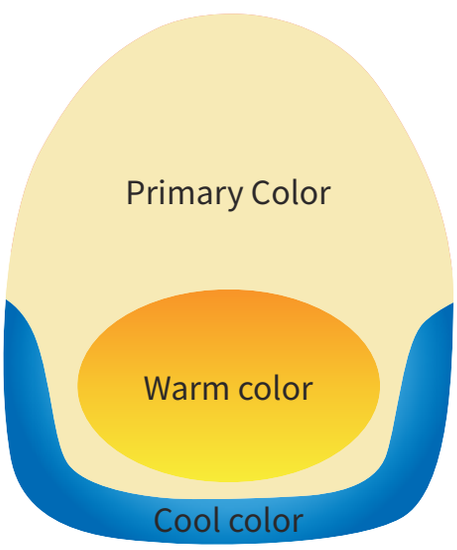
In order to meet the needs of different customers, VIART Stain/Glaze is divided into two types: Color and Glaze

VIART Stain/Glaze has 18 selected colors for you to choose from, which can meet your any needs. The variety of colors allows customers to create with maximum freedom and personalization during the external dyeing process.



System A、System B、System C、System D、T0、Blue、Blue grey、Purple grey、Pink、Dark pink、Orange、yellow、Olive Green、White、Black、Dark orange、Brown、Reddish brown、Glaze

Color operation concept



Primary Color



Three primary colors



Cut end color



Secondary Color



Stain/Glaze Gum





Being a multi-dental solution supplier

Product Features

1) Simple operation: Only G1, G2, G3, and T0 are needed to quickly create the gingival shape.

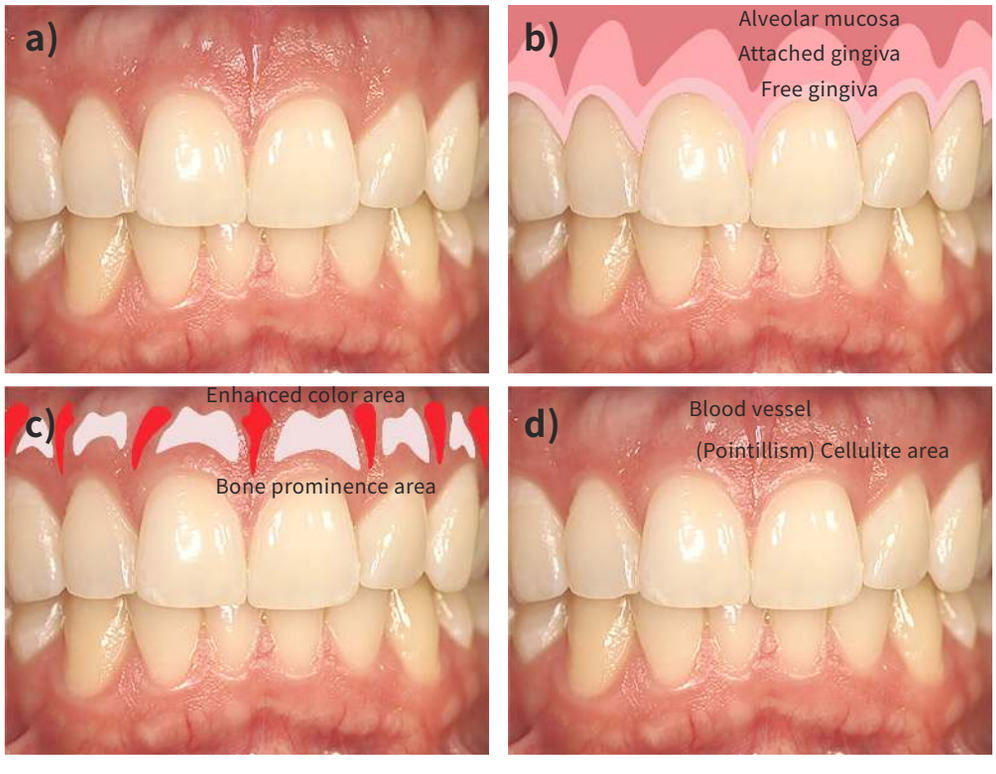
2) Three-dimensional realism: Gum paste has plasticity and simulates various parts of human gum morphology, including free gingiva, attached gingiva, alveolar mucosa, bony protrusion area, enhanced color area, blood vessels, and orange peel tissue.

3) Complete range of colors: suitable for gums with different color characteristics. See the table below for details.

Serial number	VIART Gum	Scope of application	Picture
1	G1 Light Pink	**Gum characteristics:** Lighter color, close to white, and uniform texture. **Common groups:** People with fair skin or thin gums.	
2	G2 Medium Pink	**Gum characteristics:** Typical healthy gum color, uniform and shiny. **Common population:** Most healthy adults.	
3	G3 Deep Pink	**Gum characteristics:** Dark color, tough texture. **Common groups:** People with dark skin or thick gums.	
4	G4 Purple Pink	**Gum characteristics:** With a slight purple-gray tint and uniform texture. **Common groups:** Some elderly people or people with high keratinization of the gums.	
5	G5 Orange Pink	**Gum Characteristics:** With a slight orange tint, it appears healthy and vibrant. **Common People:** People with adequate blood flow and healthy gums.	

Usage Guide

Gingival morphology



Gingival morphology analysis: **a)** Gingival morphology; **b)** Main color area; **c)** Enhanced color area; **d)** Surface feature area

Global Aesthetic Materials Expert

Website

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