



Dental Materials · Laboratory Materials · Equipment



Day by day increasing demand for our products is a proof of vericom's efforts for Making the World Smile

VERICOM, since its establishing 1998, has followed a very strict Quality Control System Management ensuring all products have achieved highest demanding international standards.

VERICOM was founded by a team of experienced dental researchers. We developed Hybrid composite resin materials in their large laboratory equipped with very advanced technology. Nowadays VERICOM's R&D department is continuously engaged in recognizing the needs of the dental community and designing and developing new products satisfying those needs.

In the year of 2000 for the first time in Korea, VERICOM successfully developed a hybrid composite resin called Denfil. On the international level, VERICOM has acquired more than 10 certificates of quality assurance and approvals such as CE, FDA, JPAL & CMDCAS. VERICOM exports its high quality products such as dental restoratives, endodontics and prosthodontics materials to more than 100 countries in the world.

VERICOM has attracted the trust of thousands of oral health clinicians with its safe and high quality products. Day by day increasing demand for our products is a proof of VERICOM's efforts for "Making the World Smile"

Our Vision



Profit Maximization of
Stockholders



Creative Human
Resource Development



Transparent
Management



Research
Management on R&D



About
Dental Materials

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DenFil N

Light-cured Restorative Nano Hybrid Composite Resin



FEATURES AND BENEFITS

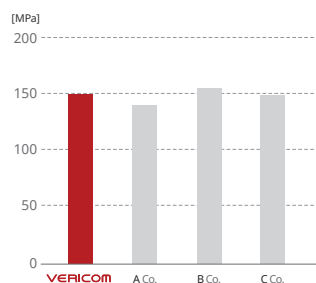
- DenFil N is a universal nano-hybrid composite for use in both posterior and anterior restoration which meets the requirement of ISO4049.
- DenFil N adopts the Multi Nano-sized Particle distribution Technology (MNPT). It has highly esthetic appearance and natural shade blending with surrounding tooth structure by MNPT.
- DenFil N has the advantage of optimal handling and non-slumping.

INDICATIONS

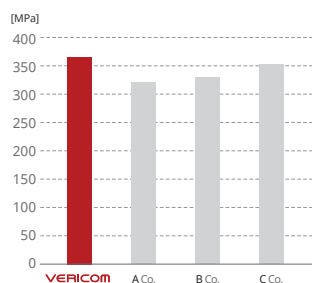
- Posterior (class I, II, V) and anterior (class III, IV, V) restoration
- Core build-up
- Splinting

TECHNICAL DATA

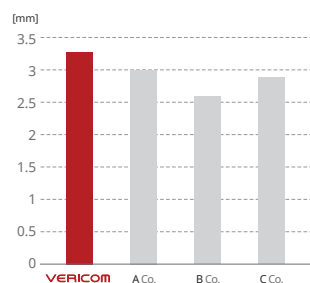
• Flexural strength



• Compressive strength



• Depth of cure



PACKAGE

● 5 Syringe kit (4g x 5syringes)

- Shade: A pack (A1, A2, A3, A3.5, B2)
- B pack (A2, A3, A3.5, B1, B2)
- C pack (A1, A2, A3, A3.5, C1)

● 8 Syringe kit (4g x 8syringes)

- Shade: A pack (A1, A2, A3, A3.5, B2, A2O, A3O, BL)
- B pack (A2, A3, A3.5, B1, B2, C1, A2O, BL)
- C pack (A1, A2, A3, A3.5, B1, C1, A2O, A3O)

※ Common

- BC Plus x 1bottle + Etchant 3ml x 1syringe
or U-Bond 5ml x 1bottle
- Accessories: Brushes, Instrument, Mixing well,
Mixing pad, Disposable tips (Blue)

● Intro Kit (2g x 3syringes)

- Shade: A pack (A1, A2, A3)
- B pack (A2, A3, A3.5)
- C pack (A2, A3, B2)

● Refill (4g x 1syringe)

- Shade: A1, A2, A3, A3.5, B1, B2, C1, A2O, A3O, BL

● Capsule (0.25g x 20ea)

- Shade: A1, A2, A3, A3.5, B1, B2, C1, A2O, A3O, BL

ALL PRODUCTS					PRODUCT CODE	KFDA Reg. CODE
DenFil N Kit	5 Syringes	※BC Plus	A Pack	A1, A2, A3, A3.5, B2	DN104-A00B	DenFil N 2200
			B Pack	A2, A3, A3.5, B1, B2	DN104-B00B	DenFil N 2201
			C Pack	A1, A2, A3, A3.5, C1	DN104-C00B	DenFil N 2202
		※U-Bond	A Pack	A1, A2, A3, A3.5, B2	DN104-A00U	DenFil N 2203
			B Pack	A2, A3, A3.5, B1, B2	DN104-B00U	DenFil N 2204
			C Pack	A1, A2, A3, A3.5, C1	DN104-C00U	DenFil N 2205
	8 Syringes	BC Plus	A Pack	A1, A2, A3, A3.5, B2, A2O, A3O, BL	DN132-A00B	DenFil N 2300
			B Pack	A2, A3, A3.5, B1, B2, C1, A2O, BL	DN132-B00B	DenFil N 2301
			C Pack	A1, A2, A3, A3.5, B1, C1, A2O, A3O	DN132-C00B	DenFil N 2302
		U-Bond	A Pack	A1, A2, A3, A3.5, B2, A2O, A3O, BL	DN132-A00U	DenFil N 2303
			B Pack	A2, A3, A3.5, B1, B2, C1, A2O, BL	DN132-B00U	DenFil N 2304
			C Pack	A1, A2, A3, A3.5, B1, C1, A2O, A3O	DN132-C00U	DenFil N 2305

※ BC Plus (5th generation bonding agent) 5ml x 1bottle & Etchant 3ml x 1syringe / U-Bond (7th generation bonding agent) 5ml x 1bottle

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
DenFil N Intro Kit	A Pack	A1, A2, A3	DN102-A000	DenFil N 2400A
	B Pack	A2, A3, A3.5	DN102-B000	DenFil N 2400B
	C Pack	A2, A3, B2	DN102-C000	DenFil N 2400C

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
DenFil N Refill	A1		DN104-RA11	DenFil N 2100A1
	A2		DN104-RA22	DenFil N 2100A2
	A3		DN104-RA33	DenFil N 2100A3
	A3.5		DN104-RA35	DenFil N 2100A3.5
	B1		DN104-RB11	DenFil N 2100B1
	B2		DN104-RB22	DenFil N 2100B2
	C1		DN104-RC11	DenFil N 2100C1
	A2O		DN104-RA2O	DenFil N 2100A2O
	A3O		DN104-RA3O	DenFil N 2100A3O
	BL		DN104-R0BL	DenFil N 2100BL

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
DenFil N Capsule	A1		DN205-RA11	DenFil N 2101A1
	A2		DN205-RA22	DenFil N 2101A2
	A3		DN205-RA33	DenFil N 2101A3
	A3.5		DN205-RA35	DenFil N 2101A3.5
	B1		DN205-RB11	DenFil N 2101B1
	B2		DN205-RB22	DenFil N 2101B2
	C1		DN205-RC11	DenFil N 2101C1
	A2O		DN205-RA2O	DenFil N 2101A2O
	A3O		DN205-RA3O	DenFil N 2101A3O
	BL		DN205-R0BL	DenFil N 2101BL

DenFil

Light-cured Restorative Hybrid Composite Resin



FEATURES AND BENEFITS

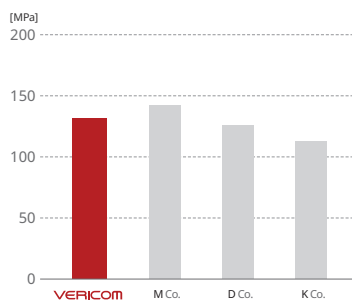
- It is designed to minimize polymerization shrinkage by inorganic fillers high loading, thus DenFil has excellent marginal sealing and surface texture.
- By adopting optimal polymerization initiator system, DenFil has high strength and abrasion resistance.
- As DenFil contains radiopaque filler, any diagnosis using X-ray is convenient.
- Also it has an suitable viscosity for restoration. DenFil shows an excellent workability.
- DenFil meets the requirements of ISO4049.

INDICATIONS

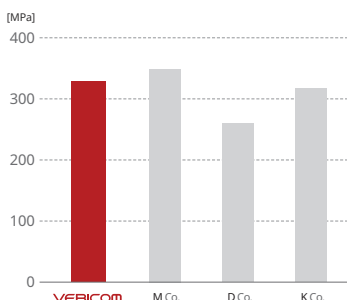
- Posterior (class I, II, V) and anterior (class III, IV, V) restoration
- Core build-up
- Splinting

TECHNICAL DATA

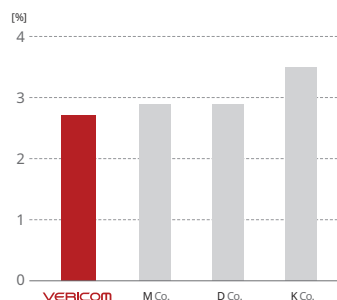
• Flexural strength



• Compressive strength



• Polymerization shrinkage



PACKAGE

● Kit (4g x 5syringes)

- Shade: A pack (A1, A2, A3, A3.5, B2)
B pack (A2, A3, A3.5, B2, B3)
C pack (A1, A2, A3, A3.5, C2)
- Bonding agent 5ml x 1bottle + Etchant 3ml x 1syringe
- Accessories: Brushes, Instrument, Mixing well, Mixing pad, Disposable tips (Blue)

● Refill (4g x 1syringe)

- Shade
: A1, A2, A3, A3.5, A4, B1, B2, B3, C2, C3, D3, A2O, A3O, I, P, E
- Capsule (0.25g x 20ea)
- Shade
: A1, A2, A3, A3.5, A4, B1, B2, B3, C2, C3, D3, A2O, A3O, I, P, E

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
DenFil Kit	A Pack	A1, A2, A3, A3.5, B2	DF104-A000	DenFil 2200
	B Pack	A2, A3, A3.5, B2, B3	DF104-B000	DenFil 2201
	C Pack	A1, A2, A3, A3.5, C2	DF104-C000	DenFil 2202

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
DenFil Refill	A1		DF104-RA11	DenFil 2100A1
	A2		DF104-RA22	DenFil 2100A2
	A3		DF104-RA33	DenFil 2100A3
	A3.5		DF104-RA35	DenFil 2100A3.5
	A4		DF104-RA44	DenFil 2100A4
	B1		DF104-RB11	DenFil 2100B1
	B2		DF104-RB22	DenFil 2100B2
	B3		DF104-RB33	DenFil 2100B3
	C2		DF104-RC22	DenFil 2100C2
	C3		DF104-RC33	DenFil 2100C3
	A2O		DF104-ROA2	DenFil 2100A2O
	A3O		DF104-ROA3	DenFil 2100A3O
	I		DF104-RI00	DenFil 2100I
	P		DF104-RP00	DenFil 2100P
	E		DF104-RE00	DenFil 2100E
	D3		DF104-RD33	DenFil 2100D3

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
DenFil Capsule	Kit		DF205-A000	-
	A1		DF205-RA11	DenFil 2101A1
	A2		DF205-RA22	DenFil 2101A2
	A3		DF205-RA33	DenFil 2101A3
	A3.5		DF205-RA35	DenFil 2101A3.5
	A4		DF205-RA44	DenFil 2101A4
	B1		DF205-RB11	DenFil 2101B1
	B2		DF205-RB22	DenFil 2101B2
	B3		DF205-RB33	DenFil 2101B3
	C2		DF205-RC22	DenFil 2101C2
	C3		DF205-RC33	DenFil 2101C3
	A2O		DF205-ROA2	DenFil 2101A2O
	A3O		DF205-ROA3	DenFil 2101A3O
	I		DF205-RI00	DenFil 2101I
	P		DF205-RP00	DenFil 2101P
	E		DF205-RE00	DenFil 2101E
	D3		DF205-RD33	DenFil 2101D3

Dental Materials | Flowable Composite

DenFil Bulk Flow

Light-cured Flowable Bulk Fill Restorative Material



FEATURES AND BENEFITS

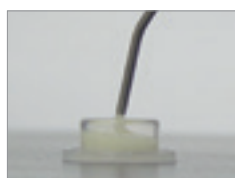
- Fast and easy procedure
- One increment up to 4mm
- Void-Free
- High radiopaque
- Good cavity adaptation
- Excellent wear resistance
- Low polymerization shrinkage and polymerization stress
- High flexural strength and low flexural modulus
- Satisfaction of the ISO 4049 requirements

INDICATIONS

- Base/Liner under direct restorations (Class I, II)
- Blocking out of undercuts
- Repair of composite/ceramic veneers
- Anterior restorations (Class III, IV)
- Class V restorations (cervical caries, root erosion, wedge shaped defects)

TECHNICAL DATA

- Fast and easy application



Before self-leveling



3 seconds after self-leveling



5 seconds after self-leveling

Self-Leveling phenomenon allows fast and easy application, and 4mm increment reduces chair-time.

Flowability is the main feature of this material and it is obviously faster and easier to perform restoration of tooth not only for children but also adults.

- Blend in with surrounding teeth

[DenFil BulkFlow's **CHAMELEON EFFECT** that ensures a natural shade blend in with surrounding color]

Chameleon effect that ensures a natural shade blend imparts a natural appearance to the tooth.



Water



DenFil BulkFlow Monomer

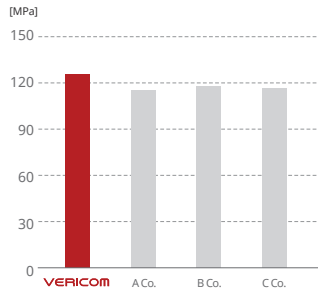


Before Restoration

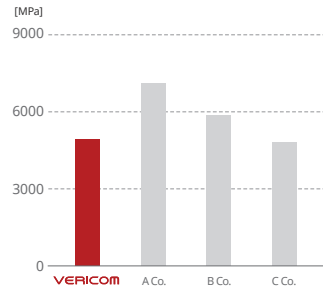


After Restoration

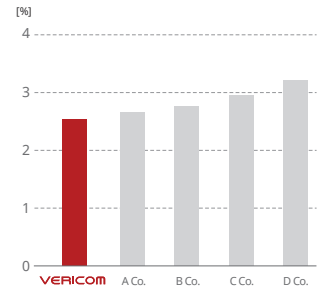
● Flexural strength



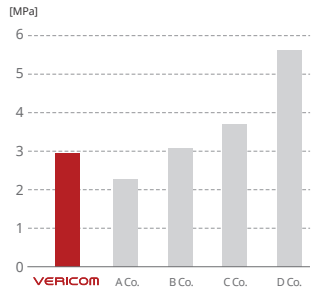
● Flexural modulus



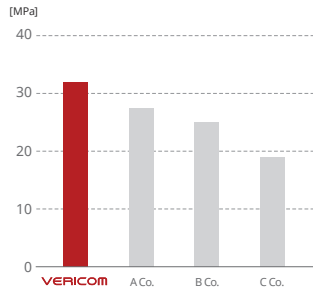
● Polymerization shrinkage



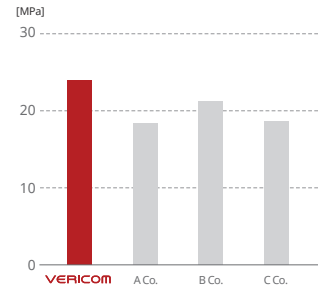
● Shrinkage stress



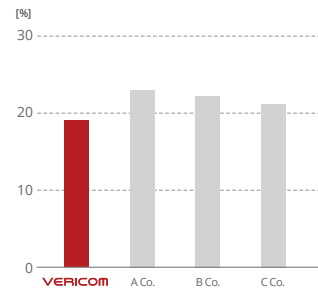
● Bonding strength of enamel



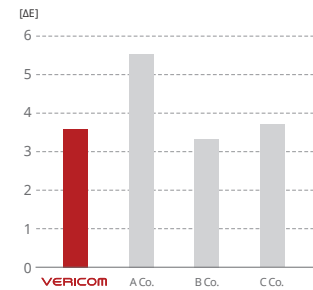
● Bonding strength of dentin



● Wear(5,000cycles)



● Color stability



PACKAGE

● A Type (2g x 1syringe or 2g x 2syringes)

- Shade: U, A1, A2, A3, B1

- Accessories: Disposable tips

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
A Type	2g x 1 syringe	U	BR102-RU0T	DenFil BulkFlow MTU
		A1	BR102-RA1T	DenFil BulkFlow MTA1
		A2	BR102-RA2T	DenFil BulkFlow MTA2
		A3	BR102-RA3T	DenFil BulkFlow MTA3
		B1	BR102-RB1T	DenFil BulkFlow MTB1
	2g x 2 syringes	U	BR104-RU0T	DenFil BulkFlow MTU
		A1	BR104-RA1T	DenFil BulkFlow MTA1
		A2	BR104-RA2T	DenFil BulkFlow MTA2
		A3	BR104-RA3T	DenFil BulkFlow MTA3
		B1	BR104-RB1T	DenFil BulkFlow MTB1

DenFil Flow

Light-cured Radiopaque Flowable Composite Resin



FEATURES AND BENEFITS

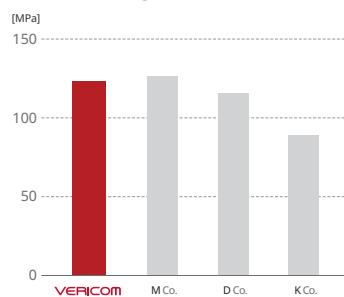
- DenFil Flow is a light-cured radiopaque flowable composite resin, which meets the requirements of ISO4049, has low shrinkage and good mechanical properties.
- DenFil Flow is designed to provide optimum flowability and handling can be used for restoration narrow & deep cavity as well as cervical area.
- DenFil Flow contains micro-hybrid fillers that provide excellent color adaptability, nature-like esthetics and high-gloss polishability.
- VERICOM supplies the low viscosity type besides universal viscosity type for special clinical application.
- Low viscosity type (Refill shade: A2, A3) is effective for narrow and complex part restoration.

INDICATIONS

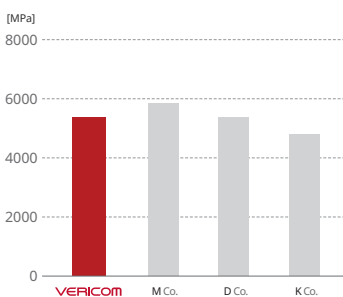
- Restorations of Class III, Class V, Smaller Class IV
- Base/liner in the Class I, Class II restorations
- Repair of resin, porcelain, and acrylic temporary materials
- Restoration of minimally invasive cavity preparations
- Pit and fissure sealant
- Undercut blackout

TECHNICAL DATA

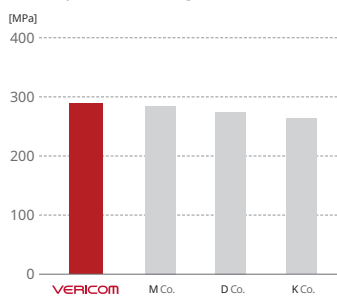
• Flexural strength



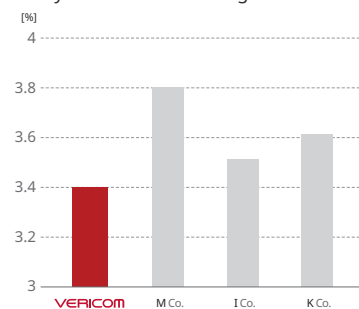
• Flexural modulus



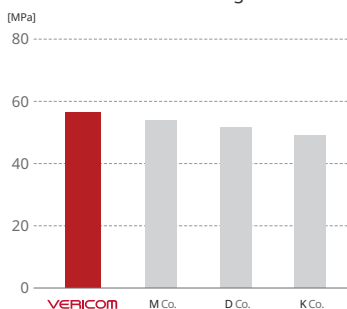
• Compressive strength



● Polymerization Shrinkage



● Diametral tensile strength



PACKAGE

● Kit (2g x 4syringes)

- Shade: A pack (A2, A3, A3.5, B2)
- B pack (A2)
- C pack (A3)
- D pack (A3.5)
- Disposable tips (Black)

● Refill (2g x 1syringe)

- Shade: A1, A2, A3, A3.5, B2, B3, C2, A2O, A3O, A2L, A3L, I

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
DenFil Flow Kit	A Pack	A2, A3, A3.5, B2	FR102-A000	DenFil Flow 5200
	B Pack	A2 x 4syringes	FR102-B000	DenFil Flow 5201
	C Pack	A3 x 4syringes	FR102-C000	DenFil Flow 5202
	D Pack	A3.5 x 4syringes	FR102-D000	DenFil Flow 5203

ALL PRODUCTS		PRODUCT CODE	KFDA Reg. CODE
DenFil Flow Refill	A1	FR102-RA11	DenFil Flow 5100A1
	A2	FR102-RA22	DenFil Flow 5100A2
	A3	FR102-RA33	DenFil Flow 5100A3
	A3.5	FR102-RA35	DenFil Flow 5100A3.5
	B2	FR102-RB22	DenFil Flow 5100B2
	B3	FR102-RB33	DenFil Flow 5100B3
	C2	FR102-RC22	DenFil Flow 5100C2
	A2O	FR102-RA20	DenFil Flow 5100A2O
	A3O	FR102-RA30	DenFil Flow 5100A3O
	A2L	FR102-RA2L	DenFil Flow 5100A2L
	A3L	FR102-RA3L	DenFil Flow 5100A3L
	I	FR102-RI00	DenFil Flow 5100I

Dual Core

Automix Type

Dual-cured Core Build-up Material



FEATURES AND BENEFITS

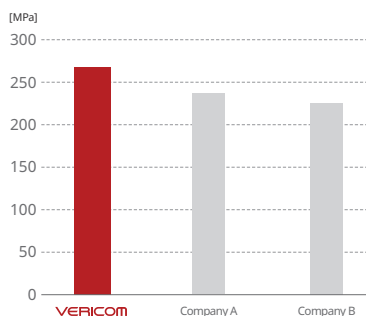
- Dual Core is a dual-cured (light+chemical) polymerization compounds, which meets the requirements of ISO4049. It is used as a replacement for dental caries and core build-up.
- Dual Core is suitable for the core build up because of its mechanical properties (compressive and flexural strength).
- Thixotropic property of Dual Core provides convenience for dental treatment. It is easy to apply the Dual Core to area where needed. And it is fully filled in a cavity with no empty space.

INDICATIONS

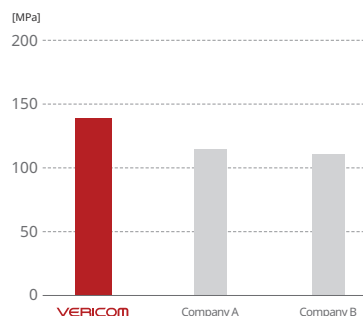
- Core build-up

TECHNICAL DATA

- Compressive strength



- Flexural strength



PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
Dual Core	Natural	2 Syringes (Base 4.5g+Catalyst 4.5g), Mixing tips, Intraoral tips	DC118-M0NA	Dual Core Natural Mini-mix
	Blue		DC118-M0BL	Dual Core Blue Mini-mix

Spacer

Light-cured Temporary Filling Material



FEATURES AND BENEFITS

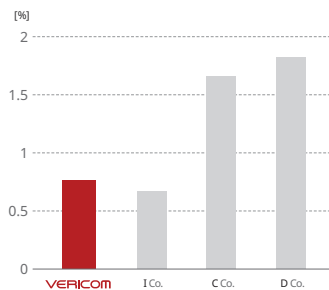
- Spacer is a light-cured temporary filling material containing nano-sized silver ingredient.
- Spacer is used for the temporary restoration of inlay and onlay.
- Spacer has high elasticity and strength and it shows a good marginal sealing performance.
- Spacer is premixed type so there's no need to do additional mixing. It can be removed easily all at once without any debris in the cavity.

INDICATIONS

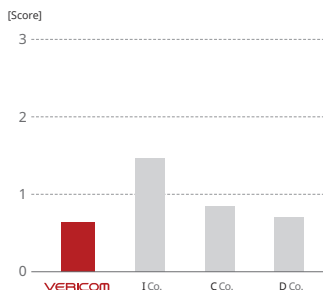
- Inlay and onlay temporary restoration
- All kinds of temporary filling
- Temporary filling and sealing

TECHNICAL DATA

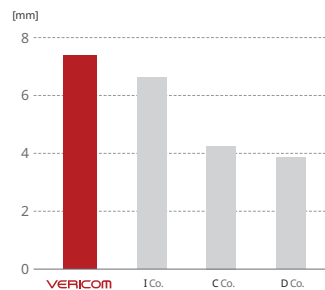
Initial polymerization shrinkage



Marginal seal



Depth of cure



PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
Spacer Kit	Blue	3g x 3syringes	SP103-B000	Spacer Blue
	Yellow		SP103-Y000	Spacer Yellow

V-varnish Premium

Clear Cavity Varnish with TCP & Xylitol

Nearly invisible against the teeth



Before



After



FEATURES AND BENEFITS

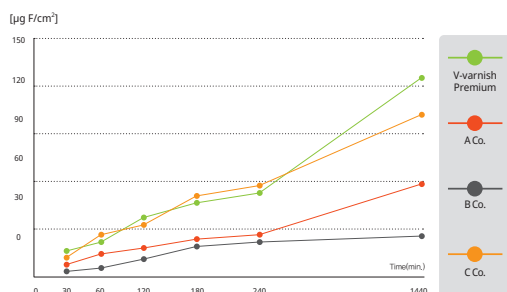
- V-varnish Premium is clear cavity varnish containing 50mg of sodium fluoride per 1ml. It also contains TCP and xylitol. It is applied to teeth for the purpose of delivering fluoride and treating hypersensitivity.
- V-varnish Premium is packed in single dose package which allows convenient mixing and easy application.

INDICATIONS

- Treatment of hypersensitive teeth
- Use on exposed dentin and root sensitivity

TECHNICAL DATA

- Cumulative Fluoride Release



- Easy workability
 - Stable adhesion and even distribution



PACKAGE

- Unit Dose: 0.4ml

ALL PRODUCTS				PRODUCT CODE	KFDA Reg. CODE
V-varnish Premium	S-Type	Standard pack 50 single-unit-dose application sticks	Clear Bubblegum	VP320-S00B	V-varnish Premium Clear Bubblegum 50
			Clear Strawberry	VP320-S00S	V-varnish Premium Clear Strawberry 50
		Bulk pack 200 single-unit-dose application sticks	Clear Bubblegum	VP380-S00B	V-varnish Premium Clear Bubblegum 200
			Clear Strawberry	VP380-S00S	V-varnish Premium Clear Strawberry 200

Eco-S

Light cured Pit & Fissure Sealant



FEATURES AND BENEFITS

- Eco-S, pit & fissure sealant, is a light-cured dental material designed for sealing the enamel pit and fissure of teeth for the prevention of caries.
- By adding specific nano-fillers to Eco-S, it has excellent physical properties such as shear bond strength, micro-leakage and wear resistance.
- Eco-S has appropriate viscosity enabling the sealant to penetrate into the bottom of pits.

INDICATIONS

- Sealing the enamel pits and fissures of teeth for prevention of caries

PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
Eco-S	Kit	Sealant 1.2ml x 2syr. & Etchant 1.2ml x 2syringes. Disposable tips (Blue, Black)	ES105-K000	Eco-S Economic Kit
	Refill Kit	Sealant 1.2ml x 4syringes. Disposable tips (Black)	ES105-RK00	Eco-S Normal Kit
	Refill	Sealant 1.2ml x 1syringe. Disposable tips (Black)	ES105-R000	Eco-S

Eazigel

Topical Fluoride Gel



FEATURES AND BENEFITS

- Excellent flowability for minute area with 1.23% APF fluoride ion
- Containing xylitol for healthy teeth
- Soft bottle for easy pouring
- Hardly overflow out of tray
- Strawberry and peach tastes

PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
Eazigel	480ml	Strawberry	EG400-S000	Eazigel SB500
		Peach	EG400-P000	Eazigel PB500

U-Bond

One Component Self-etching Light-cured Adhesive



FEATURES AND BENEFITS

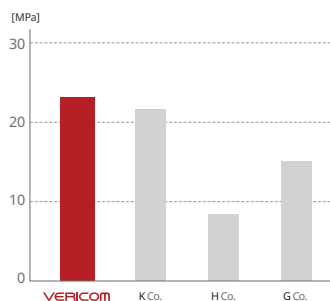
- U-Bond is a light-cured self etching adhesive designed to bond composite to dentin and enamel.
- U-Bond is classified as a 7th generation one-step bonding agent.

INDICATIONS

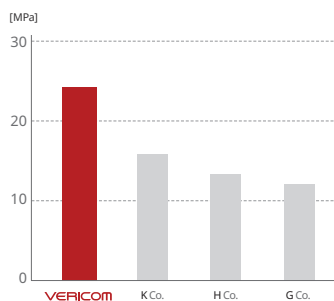
- Bonding of direct restoration of composite to tooth structure

TECHNICAL DATA

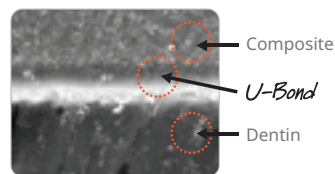
• Bonding Strength of Enamel



• Bonding Strength of Dentin



- The film thickness of U-Bond is less than 10 micrometer and it is homogeneous.



SEM (Scanning electron microscope) x 1,000

PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
U-Bond	Kit	U-Bond 5ml x 1bottle, Instrument, Mixing well, Brushes	UB405-K000	U-Bond Kit
	Refill	U-Bond 5ml x 1bottle	UB405-R000	U-Bond

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3110 West Liberty
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NUMBER 40 - OCTOBER 2011

Bond Strength of U-Bond - a 7th-generation Bonding Agent

R. Yapp, M.S., C. Fairchild, J.M. Powers, Ph.D.
THE DENTAL ADVISOR Biomaterials Research Center
Dental Consultants, Inc., Ann Arbor, Michigan

Purpose – To determine the shear bond strength of *U-Bond*, a 7th-generation bonding agent, to human tooth structure.

Materials and Methods – The bonding agent (*U-Bond*, Vericom Co., Ltd., Lot #UB172) was applied according to manufacturer's instructions to enamel and dentin of extracted adult human molars ground through 600-grit silicon carbide abrasive. *TPH3* composite (*DENTSPLY Caulk*) was then placed on top of the bonding agent utilizing the Ultradent Shear Test mold and jig to produce a 2.38 mm diameter cylinder. While in the mold, the cylinder was light cured according to manufacturer's instructions. The prepared specimens were stored in water at 37°C for 24 hours before testing. Shear bond strength was measured using a universal testing machine (Instron 5866) at a cross-head speed of 1 mm/min. Means and standard deviations were calculated.

Results – The shear bond strength to human superficial dentin was 32.3 (6.5) MPa. The shear bond strength to human enamel was 28.8 (3.2) MPa.

Ultradent Shear Bond Strengths of U-Bond for Ground Enamel and Superficial Dentin	
Tissue Substrate	Bond Strength, MPa
Ground Enamel	28.8 (3.2)
Superficial Dentin	32.3 (6.5)

Conclusions – The shear bond strength of *U-Bond*, a 7th-generation bonding agent, to extracted human enamel and dentin was high.

BC plus

Single Component Bonding Agent

**FEATURES AND BENEFITS**

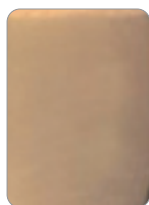
- BC plus is the 5th generation single component bonding agent designed to bond all classes of direct composite restorations to dentin, enamel, as well as procedures involving cast metals, composite, treated porcelain and set amalgam.
- BC plus is a light-activated adhesive resin based on an ethanol formulation.
- BC plus can be used in indirect restoration procedures because of its minimal and uniform film thickness.

INDICATIONS

- Bonding of direct composite
- Bonding to composite and set amalgam
- Bonding of indirect restorations-Porcelain
- Sealing hypersensitivity areas of teeth

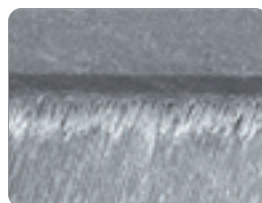
TECHNICAL DATA

- Microleakage



Item	Micro-leakage score	Standard Deviation
BC Plus	1.1	0.9
S	1.0	0.8
P	1.6	1.3
O	1.0	1.2

- Scanning Electron Microscope (SEM) of applied BC plus on the tooth surface



※ Above all data are measured by VERICOM's test methods-ISO TR11405

PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
BC Plus	Refill	5ml x 1bottle	BP405-R000	BC Plus

DenFil Etchant

Semi-gel Type Etching Agent with Phosphoric Acid



Before Etching



After Etching

* Microphotographs of premolar x 1,000



FEATURES AND BENEFITS

- DenFil Etchant is a semi-gel type etching agent containing 37% phosphoric acid thickened with natural polymeric materials.

INDICATIONS

- Acid etching of enamel and dentin.

PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
DenFil Etchant	Bulk Kit	Etchant 5ml x 5Syringes, Disposable tips (Blue)	ET125-B000	DenFil Etchant-37
		Etchant 3ml x 5Syringes, Disposable tips (Blue)	ET115-E000	
	Eco Kit	Etchant 3ml x 12Syringes, Disposable tips (Blue)	ET136-K000	
		Etchant 30ml x 1Syringe, Disposable tips (Blue)	ET130-B000	

V-Etch

Viscous Solution

Novel And Optimum Etchant For Total-Etch



FEATURES AND BENEFITS

- V-Etch (35% Phosphoric acid) is a dental etching agent of viscous solution type, having a thixotropic property.
- V-Etch is designed to have a minimal clogging by using a natural humectant.
- The thixotropic property of V-Etch enables users to perform precise etching such as class III, V restorations & orthodontic procedures.

INDICATIONS

- Acid etching of enamel and dentin.

PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
V-Etch	Bulk Kit	30ml x 1Syringe, Disposable tips (Blue)	VE130-B000	V-Etch Type F
	Eco-Pack	1.2ml x 4Syringes, Disposable tips (Blue)	VE105-E000	V-Etch Type B

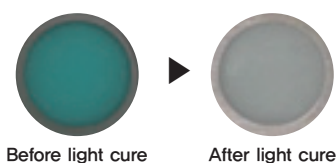
Dental Materials | Orthodontic cement

U-Bond Ortho

Light-cured Orthodontic Adhesive



FEATURES AND BENEFITS



- Convenient and easy usage guaranteed because of distinct color change after light curing (Sky color only) (Before light cure : Sky ► After light cure : Clear)
- Effective attachment of ceramic & metal bracket
- Accurate positioning of the bracket on the tooth surface is available
- Easy to remove remaining resin when de-bonding
- Available shade : Sky / Clear

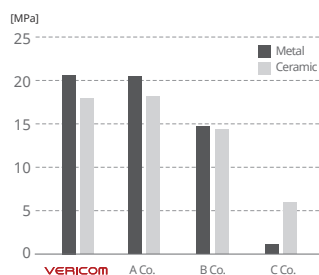
[Patent Number : KR100932889]

INDICATIONS

- Attaching Ceramic & metal bracket

TECHNICAL DATA

- Shear bond strength



PACKAGE

TYPE		ALL PRODUCTS	PRODUCT CODE	KFDA Reg. CODE
Kit	Sky	4g x 2syringes, Primer 6ml x 1bottle, Instrument, Brushes	UO108-SKK0	UO108-SKK0
	Clear		UO108-CLK0	UO108-CLK0
Refill	Sky	4g x 1syringe	UO104-SKR0	U-Bond Ortho NS
	Clear		UO104-CLR0	U-Bond Ortho NC
Primer		Primer 6ml x 1bottle	OP406-R000	U-Bond Primer
		Primer 3ml x 1bottle	OP403-R000	U-Bond Primer Medium

U-Cem Premium

Self-adhesive Universal Resin Cement



FEATURES AND BENEFITS

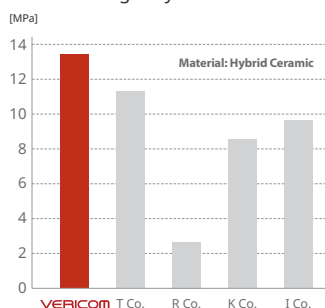
- Uniform luting cementation
- Continuous fluoride ion release effect
- Easy removal & easy handling
- Available in all cases of cementation
- Powerful bonding strength
- Satisfaction of the ISO 13485 requirements

INDICATIONS

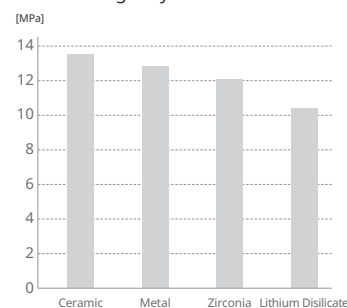
- Cementation of ceramic, metal or composite inlays, onlays, crowns, bridges, posts.

TECHNICAL DATA

• Bond strength by manufacturer



• Bond strength by material



• Microleakage test

Item	Micro- leakage score
U-Cem Premium	0
T Co.	2
K Co.	3

Marginal micro-leakage may cause weakening of bonding strength. U-Cem Premium doesn't make micro-leakage so it is possible to maintain the prosthesis in intraoral for a long time.

PACKAGE

ALL PRODUCTS				PRODUCT CODE	KFDA Reg. CODE
U-Cem Premium	Automix Type	9g x 1syr. with tips (Intra oral tips, Mixing tips)	Clear	UP109-AC00	U-Cem Premium 1221C
			Universal	UP109-AU00	U-Cem Premium 1221U
			Opaque	UP109-AO00	U-Cem Premium 1221O
		9g x 2syr. with tips (Intra oral tips, Mixing tips)	Clear	UP118-AC00	U-Cem Premium 1223C
			Universal	UP118-AU00	U-Cem Premium 1223U
			Opaque	UP118-AO00	U-Cem Premium 1223O
	Double Dispenser Type	9g x 1syr. with Acc. (Mixing pad, Spatula)	Clear	UP109-DC00	U-Cem Premium 1222C
			Universal	UP109-DU00	U-Cem Premium 1222U
			Opaque	UP109-DO00	U-Cem Premium 1222O
		9g x 2syr. with Acc. (Mixing pad, Spatula)	Clear	UP118-DC00	U-Cem Premium 1224C
			Universal	UP118-DU00	U-Cem Premium 1224U
			Opaque	UP118-DO00	U-Cem Premium 1224O

Well-Root PT

Premixed Bioceramic Putty



FEATURES AND BENEFITS

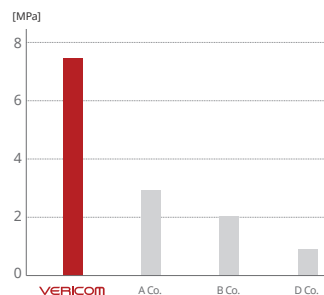
- Premixed-capsulable paste
- Appropriate setting time for application
- Superior compressive strength
- Antibacterial effects by alkaline pH
- Highly biocompatible
- Radiopaque

INDICATIONS

- Pulp capping
- Repair of root perforation
- Repair of root resorption
- Root-end filling
- Apexification

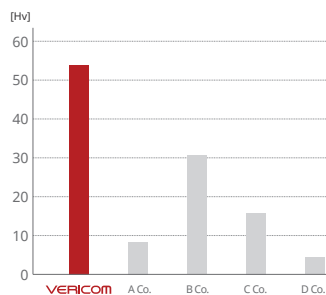
TECHNICAL DATA

• Push-out Bond Strength



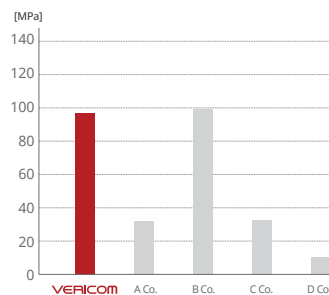
Superior dislodgement resistance due to excellent bonding to dentin

• Vickers Hardness

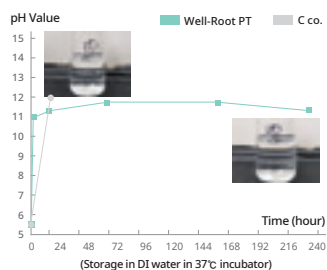


High stability due to good hydration reaction

• Compressive Strength

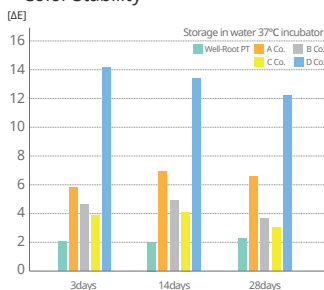


● pH Change of Well-Root PT



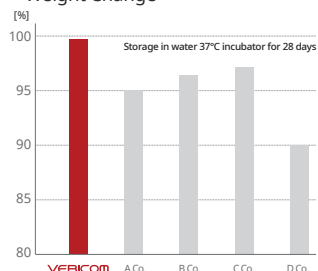
Antibacterial by alkaline pH

● Color Stability



Excellent color stability

● Weight Change



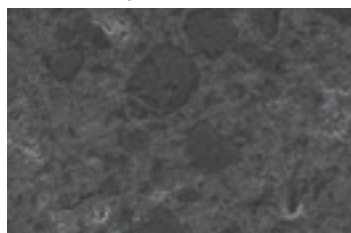
Low solubility

● Properties of Well-Root PT

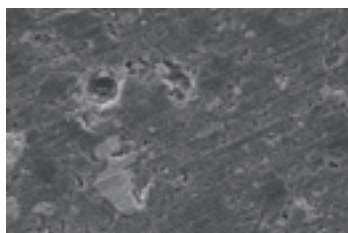
Properties measured according to ISO 6876:2012

Flow (mm)	Film thickness (μm)	Setting time (min.)		Radiopacity(mmAl)
		Initial	Final	
9.3±0.2	38.8±4	5±2min	45±5min	5.4

● Surface analysis



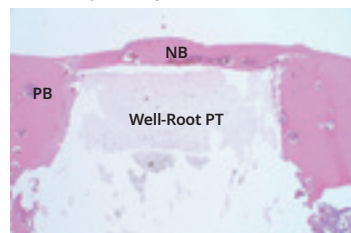
Well-Root PT (X2,000)



A Co. (X1,000)

- Well-Root PT forms a coherent interface without the particle separation.

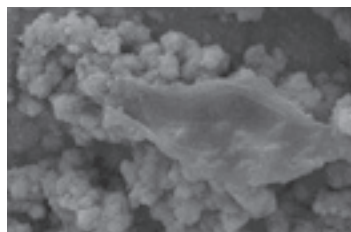
● Biocompatibility



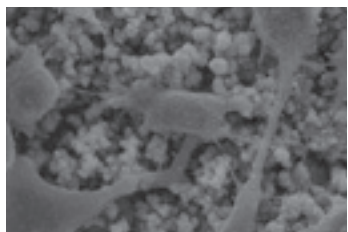
※ PB : Pre-existing bone / NB : New bone

- Well-Root PT doesn't create inflammatory response.
- Well-Root PT seems to promote mineralization and show bioactivity.

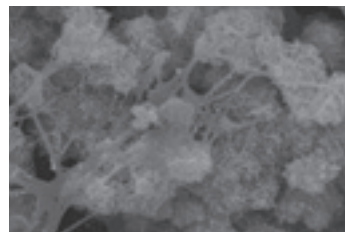
● Cell Adhesion Analysis (Surface chemistry)



White MTA [Fig.A (X2,000)]



Well-Root PT [Fig.B (X2,000)]



Well-Root PT [Fig.C (X10,000)]

Cell adhesion and cell spreading became more powerful in Well-Root PT(Fig.B). compared to White MTA(Fig.A). Well-Root PT exhibits high mineralization ability, forming extensive apatite crystals on the surface.

PACKAGE

ALL PRODUCTS		PRODUCT CODE	KFDA Reg. CODE
Well-Root PT	0.25g x 10capsules	WT202-K000	Well-Root PT

Well-Root ST

Premixed Bioceramic Sealer



FEATURES AND BENEFITS

- Well Root ST is a conveniently premixed injectable calcium aluminosilicate compound paste developed for permanent obturation of the root canal.
- Well-Root ST is based on a calcium aluminosilicate compound which requires the presence of water to set and hardening.
- Well-Root ST does not shrink during setting and demonstrates excellent physical properties.

INDICATIONS

- Permanent obturation of the root canal

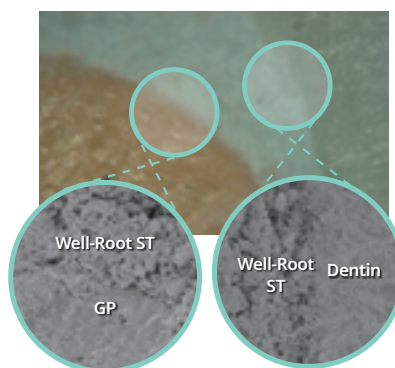
TECHNICAL DATA

- Tight Sealing
- Excellent bonding to gutta-percha and dentin
- Zero shrinkage
- Hydroxyapatite generation
- Hydrophilic
- Extremely small particle size

► Right Image

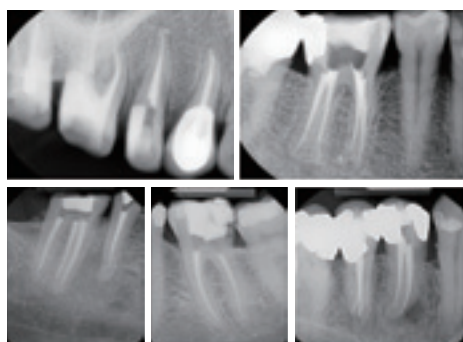
Optical microscope and SEM image of GP/Well-Root ST /Dentin interface

: No gap at interface



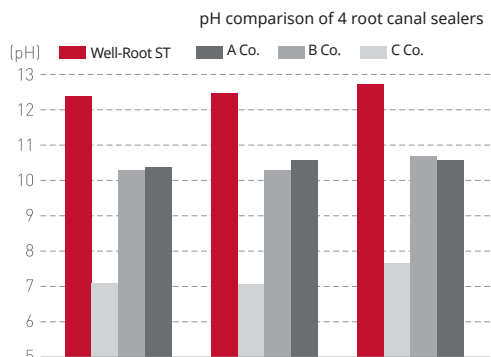
Optical microscope image of microleakage test (dye penetration test)
; No dye penetration

• Radiopacity



Well-Root ST uses zirconium oxide for radiopaque agent.

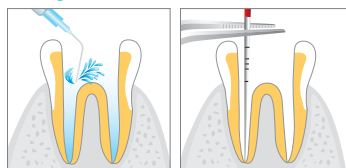
• High pH



- Calcium hydroxide is generated during setting
- pH value increases 12 and over
- Alkaline environment making it highly antibacterial

CLINICAL GUIDELINE

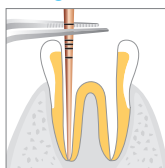
STEP 01



Preparing the root canal

Irrigate the root canal and dry with Paper Point.

STEP 02



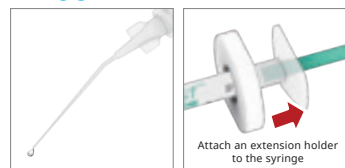
Selection of Master cone

Select the master cone which is inserted smoothly to working length.

POINT

If the master cone engages too tightly with the root canal, It may not reach to the working length.

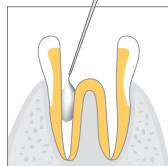
STEP 03



Tip Connection and discharge checking

Connect the tip to the syringe and make sure to check if Well-Root ST is being discharged well from the tip end.

STEP 04



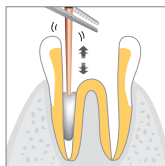
Injecting Well-Root ST

Insert the tip into the root canal and push the plunger slowly to inject well.

POINT

Insert the tip into mid-third of the root canal and fill Well-Root ST up to orifice level slowly. Be cautious that the tip shall not be engaged too much with the root canal.

STEP 05



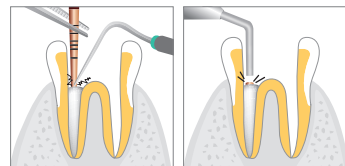
Inserting the master cone

Insert the master cone into the root canal and pump it softly 2-3 times.

POINT

Add accessory cone when the root canal is wide.

STEP 06



Finishing

Cut the master cone off at orifice level and pack with instrument.

PACKAGE

ALL PRODUCTS		PRODUCT CODE	KFDA Reg. CODE
Well-Root ST	2g x 1syr. with Disposable tip(20ea) & Extension holder	WR102-K00C	Well-Root ST Type C

Well-Pex

Oil-based Calcium Hydroxide Paste with Iodoform



FEATURES AND BENEFITS

- Well-Pex is a temporary root canal filling material for the infected root canal. It contains calcium hydroxide and iodoform mainly, having good radiopacity and antibacterial characteristics.
- Well-Pex is a highly flowable paste premixed in a convenient syringe, and it remains stable without any solidification or separation. Also it has excellent accessibility to the apex and biocompatibility to the periapical tissue.

INDICATIONS

- Apexification
- Treatment for an infected root canal
- Temporary root canal filling
- Pulp capping of exposed pulp
- Disinfection after pulp extirpation treatment

PACKAGE

ALL PRODUCTS		PRODUCT CODE	KFDA Reg. CODE
Well-Pex	2g x 1syringe, Disposable tips, Extension holder	WP102-K000	Well-Pex Type A

Well-Paste

Water-based Calcium Hydroxide Paste with Barium Sulfate



FEATURES AND BENEFITS

- Well-Paste is a temporary root canal filling material for the infected root canal. It contains calcium hydroxide and barium sulfate mainly, having radiopacity and antibacterial characteristics.
- Well-Paste is a highly flowable paste premixed in a convenient syringe, and it remains stable without any solidification or separation. Also it has excellent accessibility to the apex and biocompatibility to the periapical tissue.

INDICATIONS

- Apexification
- Treatment for an infected root canal
- Temporary root canal filling
- Pulp capping of exposed pulp
- Disinfection after pulp extirpation treatment
- Pulp capping of vital pulpotomy

PACKAGE

ALL PRODUCTS		PRODUCT CODE	KFDA Reg. CODE
Well-Paste	2g x 1syringe, Disposable tips, Extension holder	WS102-K000	Well-Paste Type A

Well-Prep

Creamy EDTA Root Canal Cleaner



FEATURES AND BENEFITS

- Well-Prep containing ethylenediamine tetraacetic acid (EDTA) as a chelating agent allows efficient cleaning and easy preparation of root canal.
- Well-Prep improves the efficiency in injection into root canals by a special lubricant.
- The pulp debris in the root canal can be lifted out efficiently thanks to bubbling effect of urea-peroxide in Well-Prep.

INDICATIONS

- Facile shaping and root canal cleaning
- Fast and simple debris removal
- Encouraging decalcification of dentin and antibacterial effect
- Simple handling of instruments in the canals thanks to lubricating effect

TECHNIQUE GUIDE



① Isolate the tooth with a rubber dam and open the pulp chamber.



② Inject a proper amount of Well-Prep into the pulp chamber or place Well-Prep directly on the file.



③ With sodium hypochlorite, clean the root canal.



④ Re-apply the above steps if you needed.

PACKAGE

	ALL PRODUCTS	PRODUCT CODE	KFDA Reg. CODE
Well-Prep	6g x 3syringes, Disposable tips	WE118-K000	Well-Prep

Eazi-Endo

Hand Rolled Endodontic Points



Gutta Percha Points

FEATURES AND BENEFITS

- Uniformly rolled from the finest Gutta Percha to extremely close tolerances
- Assurance in consistency of size and shape
- Guaranteed Brittleness & Radiopacity in accordance with ISO6877
- **ISO/AE STANDARD SIZE:**
No. 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100, 110, 120, 130, 140
- **NON STANDARD SIZE (Conventional type):**
X-Fine, Fine-Fine, Medium-Fine, Fine, Fine-Medium, Medium, Medium-Large, Large, X-Large
- **MINI (JAPANESE) SIZE:**
Fine-Small, Fine-Medium, Fine-Large, Small, Medium, Large
- **DE TREY SIZE:** XX-Fine, X-Fine, Fine, Medium
- **ISO TAPER SIZE:** Taper 0.04 and Taper 0.06
- **Endo Aide:** 12 refillable compartments

INDICATIONS

- Fill a prepared root canal prior to tooth restoration

PACKAGE

- Endo Aide, Slide, 4 Compartment Box

Absorbent Paper Points

FEATURES AND BENEFITS

- Uniformly rolled to extremely close tolerances
- Guaranteed consistency in size and shape
- Assures better absorbency and guarantees sterility prior to use. Sterilization Assurance Level: 10^{-6}
- **ISO/AE STANDARD SIZE:**
No. 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100, 110, 120, 130, 140
- **NON STANDARD SIZE (Accessory):**
XX-Fine, X-Fine, Fine, Medium, Coarse, X-Coarse
- **Endo Aide:** 12 refillable compartments

INDICATIONS

- Remove moisture from the root canal or to introduce medicaments

PACKAGE

- Endo Aide, Slide, 4 Compartment Box

PACKAGE

1. GP/PP SLIDE

GP SLIDE	PRODUCTS CODE	PP SLIDE	PRODUCTS CODE
#10	GP110-S000	#10	PP110-S000
#15	GP115-S000	#15	PP115-S000
#20	GP120-S000	#20	PP120-S000
#25	GP125-S000	#25	PP125-S000
#30	GP130-S000	#30	PP130-S000
#35	GP135-S000	#35	PP135-S000
#40	GP140-S000	#40	PP140-S000
#45	GP145-S000	#45	PP145-S000
#50	GP150-S000	#50	PP150-S000
#55	GP155-S000	#55	PP155-S000
#60	GP160-S000	#60	PP160-S000
#70	GP170-S000	#70	PP170-S000
#80	GP180-S000	#80	PP180-S000
#90	GP190-S000	#90	PP190-S000
#100	GP100-S000	#100	PP100-S000
#110	GP111-S000	#110	PP111-S000
#120	GP112-S000	#120	PP112-S000
#15-40	GP115-S400	#15-40	PP115-S400
#45-80	GP145-S800	#45-80	PP145-S800

2. TAPER

GP SLIDE	PRODUCTS CODE	PP SLIDE	PRODUCTS CODE
#15/0.4	GP215-T004	#15/0.4	PP215-T004
#20/0.4	GP220-T004	#20/0.4	PP220-T004
#25/0.4	GP225-T004	#25/0.4	PP225-T004
#30/0.4	GP230-T004	#30/0.4	PP230-T004
#35/0.4	GP235-T004	#35/0.4	PP235-T004
#40/0.4	GP240-T004	#40/0.4	PP240-T004
#45/0.4	GP245-T004	#45/0.4	PP245-T004
#20-45 ACC	GP220-T454	#20-45 ACC	PP220-T454

GP SLIDE	PRODUCTS CODE	PP SLIDE	PRODUCTS CODE
#15/0.6	GP215-T006	#15/0.6	PP215-T006
#20/0.6	GP220-T006	#20/0.6	PP220-T006
#25/0.6	GP225-T006	#25/0.6	PP225-T006
#30/0.6	GP230-T006	#30/0.6	PP230-T006
#35/0.6	GP235-T006	#35/0.6	PP235-T006
#40/0.6	GP240-T006	#40/0.6	PP240-T006
#45/0.6	GP245-T006	#45/0.6	PP245-T006
#20-45 ACC	GP220-T456	#20-45 ACC	PP220-T456

3. ENDOAIDE

GP SLIDE	PRODUCTS CODE	PP SLIDE	PRODUCTS CODE
#15-50	GP415-V800	#15-50	PP415-V800

4. ACC

GP SLIDE	PRODUCTS CODE	PP SLIDE	PRODUCTS CODE
XF	GP501-AXF0	XF	PP501-AXF0
FF	GP502-AFF0	XFF	PP502-AXXF
FINE	GP503-AF00	FINE	PP503-AF00
FINE MEDIUM	GP504-AFM0	C	PP504-AC00
MEDIUM	GP505-AM00	MEDIUM	PP505-AM00
MEDIUM FINE	GP506-AMF0	XC	PP506-AXC0

5.MM MARKED

GP SLIDE	PRODUCTS CODE
#10	GP610-MM00
#15	GP615-MM00
#20	GP620-MM00
#25	GP625-MM00
#30	GP630-MM00
#35	GP635-MM00
#40	GP640-MM00
#45	GP645-MM00
#50	GP650-MM00
#55	GP655-MM00
#60	GP660-MM00
#70	GP670-MM00
#80	GP680-MM00
#15-40	GP615-MM40
#45-80	GP645-MM80

Vonflex S Putty

Proven And Reliable Precison Impression Material



FEATURES AND BENEFITS

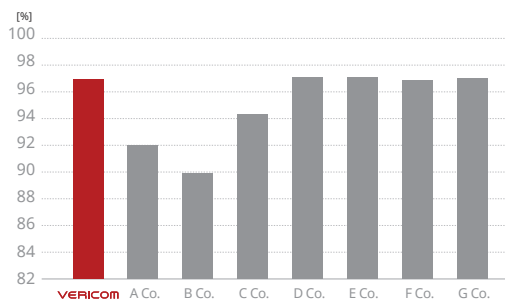
- Vonflex S Putty is an addition polymerization silicone composed of vinyl polysiloxane which helps to create precise shape of oral tissue.
- Vonflex S Putty is convenient to mix and has super dimensional stability, helps to make precise impression taking.

INDICATIONS

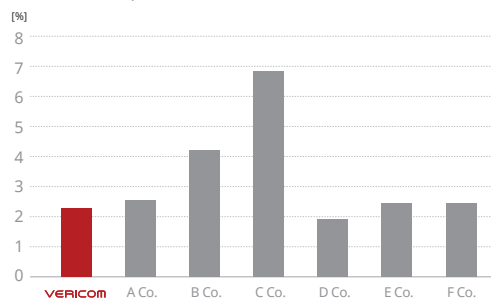
- Individual Tray
- Taking impression for crown and bridge

TECHNICAL DATA

• Elastic recovery



• Strain in compression



PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
Vonflex S Putty	Normal	Catalyst 280ml & Base 280ml x 2ea, Measuring scoop 2ea	VF356-SPNS	Vonflex S Putty Soft 13
	Fast		VF356-SPFS	Vonflex S Putty Soft Q 13

Vonflex S Light

Excellent Hydrophilic Impression Material

Vonflex S Light XLV



Vonflex S Light

FEATURES AND BENEFITS

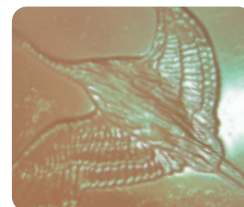
- Vonflex S Light is an addition polymerization silicone composed of hydrophilic vinyl polysiloxane which helps to create precise shape of oral tissue.
- Vonflex S Light is convenient to use and has an outstanding stability, helps to make precise impression taking.

INDICATIONS

- Taking impression for crown and bridge
- Taking impression for inlay and onlay

TECHNICAL DATA

- Excellent detail reproduction by optimal flowability
- Procedure of underwater test. (Place a coin under the water and apply the Vonflex S Light to the coin.)
- Vonflex S Light underwater test result



PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
Vonflex S Light	Normal	50ml x 2cartridges, w/mixing tips	VF310-SLN0	Vonflex S Light 0102
		50ml x 12cartridges	VF360-SLN0	Vonflex S Light 0112
		50ml x 48cartridges	VF324-SLN0	Vonflex S Light 0148
	Fast	50ml x 2cartridges, w/mixing tips	VF310-SLF0	Vonflex S Light Q 0102
		50ml x 12cartridges	VF360-SLF0	Vonflex S Light Q 0112
		50ml x 48cartridges	VF324-SLF0	Vonflex S Light Q 0148

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
Vonflex S Light XLV	Normal	50ml x 2cartridges, w/mixing tips	VF310-SLNX	Vonflex S Light XLV 1402
		50ml x 12cartridges	VF360-SLNX	Vonflex S Light XLV 1412
		50ml x 48cartridges	VF324-SLNX	Vonflex S Light XLV 1448

Vonflex S Supermix

Excellent Fixation Characteristic Material

[Type 1]

Heavy-bodied consistency



FEATURES AND BENEFITS

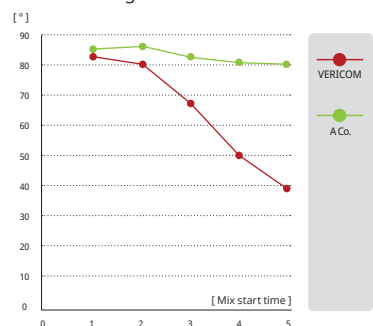
- Vonflex S Supermix is an addition polymerization silicone composed of hydrophilic vinyl polysiloxane which helps to create precise shape of oral tissue.
- Void-free and uniform mixing when used with the automatic mixer
- High tear resistance
- Super initial hydrophilicity
- Superior dimensional stability
- Easy to take off the impression body from the patient's oral because of its excellent elastic recovery
- Extended working time

INDICATIONS

- Taking impression for crown and bridge
- Taking impression for inlay and onlay

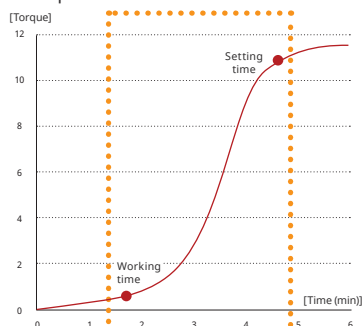
TECHNICAL DATA

• Contact angle



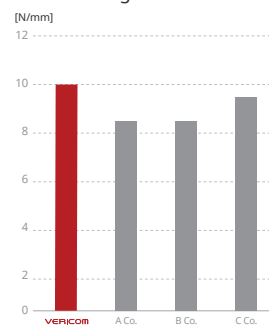
Good flowability and Accurate impression on the oral surface where saliva is present.

• Snap set



Snap set technology (optimal working time and short setting time) helps to make better impression results.

• Tear strength



PACKAGE

ALL PRODUCTS			PRODUCT CODE (KFDA Reg. CODE)
Vonflex S Supermix	Normal (Heavy type)	380ml x 1 cartridge, Mixing tip 10ea, Fixation ring 1ea	VF3SK-SSNE
		380ml x 2 cartridges	VF338-SSNE
		380ml x 4 cartridges	VF34B-SSNE

Vonflex S Supermix MONOPHASE

Excellent Fixation Characteristic Material

[Type 2]
Medium-bodied consistency



FEATURES AND BENEFITS

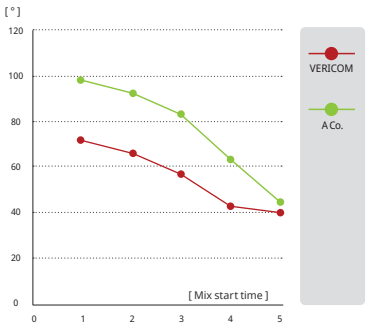
- Vonflex S Supermix MONOPHASE is an addition polymerization silicone composed of hydrophilic vinyl polysiloxane which helps to create precise shape of oral tissue.
- Void-free and uniform mixing when used with the automatic mixer
- High tear resistance
- Super initial hydrophilicity
- Superior dimensional stability
- Easy to take off the impression body from the patient's oral because of its excellent elastic recovery
- Extended working time

INDICATIONS

- Taking impression for crown and bridge
- Taking impression for inlay and onlay

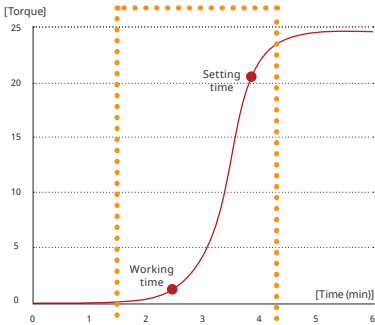
TECHNICAL DATA

• Contact angle



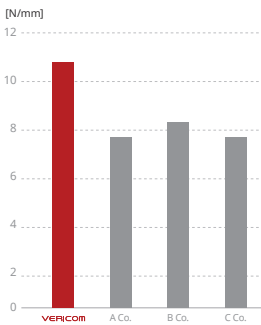
Good flowability and Accurate impression on the oral surface where saliva is present.

• Snap set



Snap set technology (optimal working time and short setting time) helps to make better impression results.

• Tear strength



PACKAGE

ALL PRODUCTS			PRODUCT CODE (KFDA Reg. CODE)
Vonflex S Supermix MONOPHASE	Normal (Medium type)	380ml x 1cartridge, Mixing tip 10ea, Fixation ring 1ea	VF3SK-SMNI
		380ml x 2cartridges	VF32B-SMNI
		380ml x 4cartridges	VF34B-SMNI

Vonflex S Heavy

Excellent Fixation Characteristic Material



FEATURES AND BENEFITS

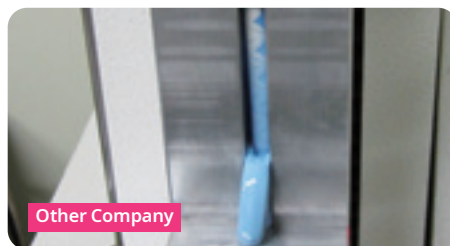
- Vonflex S Heavy is an addition polymerization silicone composed of hydrophilic vinyl polysiloxane which helps to create precise shape of oral tissue.
- Vonflex S Heavy is convenient to use and has low deformation, helps to make precise impression taking.
- Dual phase impression technique
- Precise duplication of models
- All impression techniques that operators need heavy viscosity materials

INDICATIONS

- Taking impression for crown and bridge
- Taking impression for inlay and onlay

TECHNICAL DATA

- Easy handling property



PACKAGE

ALL PRODUCTS				PRODUCT CODE	KFDA Reg. CODE
Vonflex S Heavy	Normal	Injection	50ml x 2cartridges, w/mixing tips	VF310-SHN0	Vonflex S Heavy 1602
		Injection	50ml x 12cartridges	VF360-SHN0	Vonflex S Heavy 1612
		Injection	50ml x 48cartridges	VF324-SHN0	Vonflex S Heavy 1648
		Tube	Base 150ml & Catalyst 150ml x 2ea	VF330-SHNT	Vonflex S Heavy 16T
	Fast	Injection	50ml x 2cartridges, w/mixing tips	VF310-SHF0	Vonflex S Heavy Q 1602
		Injection	50ml x 12cartridges	VF360-SHF0	Vonflex S Heavy Q 1612
		Injection	50ml x 48cartridges	VF324-SHF0	Vonflex S Heavy Q 1648
		Tube	Base 150ml & Catalyst 150ml x 2ea	VF330-SHFT	Vonflex S Heavy Q 16T

Vonflex S Medium

Proven One Step Material Based on A-silicone



FEATURES AND BENEFITS

- Vonflex S Medium is an addition polymerization silicone composed of hydrophilic vinyl polysiloxane which helps to create precise shape of oral tissue.
- Vonflex S Medium is convenient to use and has ideal consistency for monophase technique, helps to make precise impression taking.

INDICATIONS

- Taking impression for crown and bridge
- Taking impression for inlay and onlay

PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
Vonflex S Medium	Normal	50ml x 2cartridges, w/mixing tips	VF310-SMN0	Vonflex S Medium 2502

Vonflex S Bite

Thixotropic Bite Registration Material



FEATURES AND BENEFITS

- Vonflex S Bite, as the additional polymerization silicone type, is composed of vinyl polysiloxane impression materials designed for making precise occlusal registrations.
- Vonflex S Bite provides excellent detail for accurate impressions.
- Standard bite registration in the end bite position
- Portrayal of antagonists
- Coating of bite forks
- Key material for needle point registration
- Production of small model segments

INDICATIONS

- Bite registration

PACKAGE

ALL PRODUCTS		PRODUCT CODE	KFDA Reg. CODE
Vonflex S Bite	50ml x 2cartridges, w/mixing tips	VF310-SBNB	Vonflex S Bite 0202

Dental Materials | Instruments Cleaner

Dual Clean

Highly Active Enzymatic Cleaner



FEATURES AND BENEFITS

- Dual Clean is a dual functional/enzymatic detergent with the versatile and environmental friendly advantages.
- Dual Clean provides advanced cleaning function at the various tools especially medical and dental devices and instruments with the contaminating blood, protein, and organic stains.

PACKAGE

ALL PRODUCTS	PRODUCT CODE	
Dual Clean	1L	DU901-DC00
	2L	DU902-DC00

Dual Clean plus

Highly Active Cleaner With Disinfectant



FEATURES AND BENEFITS

- Dual Clean plus is an effective multi-enzyme detergent and disinfectant solution that is acting on the dual cleaning and disinfectant mechanism.
- Dual Clean plus is able to remove organic and biological soils deposits from all types of medical and dental instruments without physical effort.

PACKAGE

ALL PRODUCTS	PRODUCT CODE	
Dual Clean Plus	1L	DU901-DCPS
	2L	DU902-DCPS

Dental Materials | Suction System Cleaner

Dual Vac

Highly Active Cleaner, Disinfectant & Deodorant For All Suction Systems



FEATURES AND BENEFITS

- Dual Vac is a highly effective decontaminant for the cleaning, disinfecting and deodorizing of dental aspirating units and spittoon bowls.
- Dual Vac is dual combination of cleaning and disinfecting mechanism to easily remove biofilm of all types of suction systems units by lightly one-step running.

PACKAGE

ALL PRODUCTS	PRODUCT CODE	
Dual Vac	1L	DU901-DUVC
	2L	DU902-DUVC

V-Ject

Superior Quality Disposable Dental Needles



FEATURES AND BENEFITS

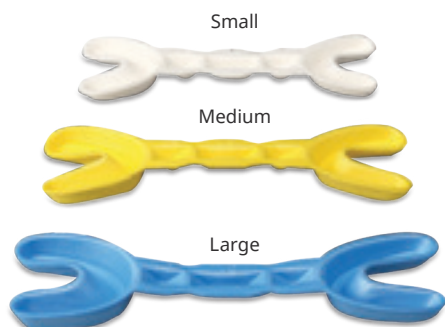
- Primary & Secondary container: Polypropylene virgin injection medical grade-protect needle and hub
- Hub: Polypropylene virgin injection medical grade
- Needle (cannula): STS 304 -inside and outside surface of cannula
- Color Coding of Hub: The nominal outside diameter of the needle tubing identified by color coding in accordance with ISO6009 : 1992

PACKAGE

- 100pcs packaged in 1 small box
- 10 small boxes packaged in 1 inner box
- 8 inner boxes packaged in 1 shipping box (8,000pcs)

PRODUCTS	PRODUCTS CODE			KFDA Reg. CODE
V-Ject	27G (inch)	0.4 X 21mm	DN14I-2721	27G-21mm
		0.4 X 25mm	DN14I-2725	27G-25mm
		0.4 X 30mm	DN14I-2730	27G-30mm
		0.4 X 35mm	DN14I-2735	27G-35mm
		0.4 X 38mm	DN14I-2738	27G-38mm
	30G (inch)	0.3 X 12mm	DN13I-3012	30G-12mm
		0.3 X 21mm	DN13I-3021	30G-21mm
		0.3 X 25mm	DN13I-3025	30G-25mm
	31G (inch)	0.26 X 12mm	DN12I-3112	31G-12mm
	27G (metric)	0.4 X 21mm	DN24M-2721	27G-21mm
		0.4 X 25mm	DN24M-2725	27G-25mm
		0.4 X 30mm	DN24M-2730	27G-30mm
		0.4 X 35mm	DN24M-2735	27G-35mm
		0.4 X 38mm	DN24M-2738	27G-38mm
	30G (metric)	0.3 X 12mm	DN23M-3012	30G-12mm
		0.3 X 21mm	DN23M-3021	30G-21mm
		0.3 X 25mm	DN23M-3025	30G-25mm
	31G (metric)	0.26 X 12mm	DN22M-3112	31G-12mm

Eazitray



FEATURES AND BENEFITS

- Soft fluoride gel tray for professional dental purpose
- Adequate & enough anatomical depth
- Color-coded sizes for easy identification
- Placement handle for fluoride gel insertion
- Fluoride Gel Trays

PACKAGE

ALL PRODUCTS	PRODUCTS CODE	KFDA Reg. CODE
Eazitray (100ea / Double form)	EZ810-000S	Eazitray Small
	EZ810-000M	Eazitray Medium
	EZ810-000L	Eazitray Large

Polishing Brushes



PACKAGE

	ALL PRODUCTS	PRODUCT CODE	KFDA Reg. CODE
Polishing Brushes	Silicone cup	72ea/pack	PB572-00SC
	Scaling brush	72ea/pack	PB572-00SB
	Polishing brush Soft	36ea/pack	PB536-00SF
	Polishing brush Hard	36ea/pack	PB536-00HA
	Candle brush	24ea/pack	PB524-00CD

Disposable Tips

Metal



25Ga. Blue Tip
(OD 0.5mm)



25Ga. Black Tip
(OD 0.5mm)



20Ga. Black Tip
(OD 0.92mm)

FEATURES AND BENEFITS

- 45°-ben / and straight tips
- Blunt-end design for use
- Universal luer-lock style

Plastic



24Ga. Endo Tips
(Any colors available)



24Ga. Endo Tips
(w/mm mark)

PACKAGE

ALL PRODUCTS			PRODUCT CODE
Disposable Tips	25G Blue	100ea/bag	DT425-BU00
	25G Black		DT425-BL00
	20G Black		DT420-BL00
	Endo Tips		DT424-00ED

Accessories



Instrument
[1ea/bag]



Brush
[50ea/bag, 100ea/bag]



Spatula
[100ea/bag]



Mixing pad (non-slip)
[50sheets / size: 5x4/7.5x6.5(cm)]



Mixing well
[1ea/bag]

PACKAGE

ALL PRODUCTS	PRODUCT CODE
Instrument	AC001-00BH
Brush	AC002-00BR
Mixing well	AC003-00MW
Spatula	AC004-00SP
Mixing pad	AC005-00MP



About
Laboratory Materials

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MAZIC Duro

Nano Hybrid Ceramic for CAD/CAM



FEATURES AND BENEFITS

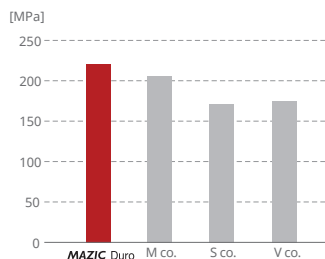
- Natural tooth-like esthetics and elasticity
- High flexural and compressive strength
- Excellent stain resistance
- Easy add-on with composite resin
- Excellent cementation
- Easy handling for adjustment of occlusal surface
- No firing and glazing : saving time, equipment and spaces
- Prosthesis treatment in 1-Day

INDICATIONS

MAZIC Duro is available for fabricate single teeth such as inlays, onlays, veneers and full crowns.

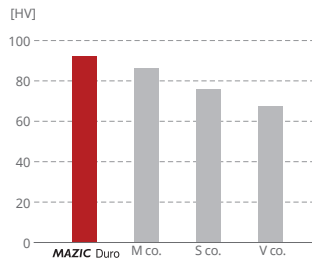
TECHNICAL DATA

• Flexural strength



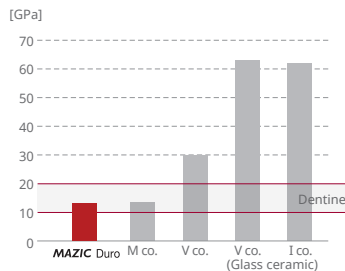
High flexural strength makes possible to use the material for a long time in oral.

• Vickers Hardness



High vickers hardness makes resistant to micro-wear.

• Modulus of elasticity



Modulus of elasticity similar to natural teeth minimizes the damages of antagonistic teeth as well as prosthesis.

- Patent on control technique of all direction shrinkage-stress

MAZIC Duro



Company M



It is patent technology of assuring high workability and esthetics by equally dispersing the stress of particular directions.

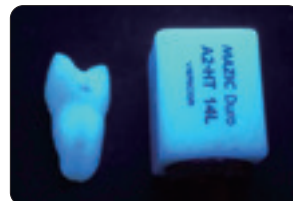
- Radio-opacity

MAZIC Duro's radiopacity allows a proper contrast between enamel/dentin and restorative material.



- Fluorescence

MAZIC Duro shows natural esthetics even in patient's oral thanks to the fluorescence similar to teeth.



PACKAGE

- Mandrel Type (Cerec Type)

PRODUCT	10	12	14L
SIZE (W × L × H, mm)	10 × 8.5 × 15	12.2 × 10.2 × 15	14.5 × 14.5 × 18
SHADE	HT	A1, A2, A3, B1	
	LT	A1, A2, A3, A3.5, A4 (B1, C2, D2, W1)	

TYPE	SIZE	SHADE	PRODUCT CODE	KFDA Reg. CODE
HT	10	A1	MDKHT-10A1	10H15HA1
		A2	MDKHT-10A2	10H15HA2
		A3	MDKHT-10A3	10H15HA3
		B1	MDKHT-10B1	10H15HB1
	12	A1	MDKHT-12A1	12H15HA1
		A2	MDKHT-12A2	12H15HA2
		A3	MDKHT-12A3	12H15HA3
		B1	MDKHT-12B1	12H15HB1
	14L	A1	MDKHT-14A1	14H18HA1
		A2	MDKHT-14A2	14H18HA2
		A3	MDKHT-14A3	14H18HA3
		B1	MDKHT-14B1	14H18HB1
	ø98 8T	A1	MDKHT-8TA1	98H08HA1
		A2	MDKHT-8TA2	98H08HA2
		A3	MDKHT-8TA3	98H08HA3
	ø98 10T	A1	MDKHT-98A1	98H10HA1
		A2	MDKHT-98A2	98H10HA2
		A3	MDKHT-98A3	98H10HA3
	ø98 12T	A1	MDKHT-92A1	98H12HA1
		A2	MDKHT-92A2	98H12HA2
		A3	MDKHT-92A3	98H12HA3
	ø98 14T	A1	MDKHT-94A1	98H14HA1
		A2	MDKHT-94A2	98H14HA2
		A3	MDKHT-94A3	98H14HA3
	ø100 8T	A1	MDKHT-18A1	100H08HA1
		A2	MDKHT-18A2	100H08HA2
		A3	MDKHT-18A3	100H08HA3
	ø100 10T	A1	MDKHT-01A1	100H10HA1
		A2	MDKHT-01A2	100H10HA2
		A3	MDKHT-01A3	100H10HA3

- Disk Type

SIZE	8T	10T	12T	14T
ø98H / ø100H	ø98/ø100	ø98/ø100	ø98	ø98
SHADE	HT	A1, A2, A3		
	LT	A1, A2, A3, A3.5		

TYPE	SIZE	SHADE	PRODUCT CODE	KFDA Reg. CODE
LT	10	A1	MDKLT-10A1	10H15LA1
		A2	MDKLT-10A2	10H15LA2
		A3	MDKLT-10A3	10H15LA3
		A3.5	MDKLT-10A5	10H15LA5
	12	A1	MDKLT-12A1	12H15LA1
		A2	MDKLT-12A2	12H15LA2
		A3	MDKLT-12A3	12H15LA3
		A3.5	MDKLT-12A5	12H15LA5
	14L	A1	MDKLT-14A1	14H18LA1
		A2	MDKLT-14A2	14H18LA2
		A3	MDKLT-14A3	14H18LA3
		A3.5	MDKLT-14A5	14H18LA5
	ø98 8T	A1	MDKLT-8TA1	98H08LA1
		A2	MDKLT-8TA2	98H08LA2
		A3	MDKLT-8TA3	98H08LA3
		A3.5	MDKLT-8TA5	98H08LA5
	ø98 10T	A1	MDKLT-98A1	98H10LA1
		A2	MDKLT-98A2	98H10LA2
		A3	MDKLT-98A3	98H10LA3
		A3.5	MDKLT-98A5	98H10LA5
	ø98 12T	A1	MDKLT-92A1	98H12LA1
		A2	MDKLT-92A2	98H12LA2
		A3	MDKLT-92A3	98H12LA3
		A3.5	MDKLT-92A5	98H12LA5
	ø98 14T	A1	MDKLT-94A1	98H14LA1
		A2	MDKLT-94A2	98H14LA2
		A3	MDKLT-94A3	98H14LA3
		A3.5	MDKLT-94A5	98H14LA5
	ø100 8T	A1	MDKLT-18A1	100H08LA1
		A2	MDKLT-18A2	100H08LA2
		A3	MDKLT-18A3	100H08LA3
		A3.5	MDKLT-18A5	100H08LA5
	ø100 10T	A1	MDKLT-01A1	100H10LA1
		A2	MDKLT-01A2	100H10LA2
		A3	MDKLT-01A3	100H10LA3
		A3.5	MDKLT-01A5	100H10LA5

MAZIC Claro Press

Pressable Lithium Disilicate Glass Ceramic Ingot



FEATURES AND BENEFITS

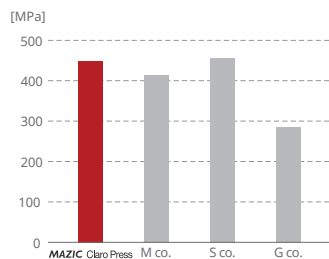
- Available in various shades and translucency
- High strength and excellent fracture toughness
- Excellent durability and biocompatibility
- Light refraction and optical properties are similar to enamel
- Leaving less reactive layer after pressing allows precise fit
- Outstanding press compatible with various investment materials
- Optimal hardness for easy adjustment of prosthesis

INDICATIONS

MAZIC Claro Press can be applied to single restoration unit such as inlays, onlays, veneers, bridge, full crown and implant crown.

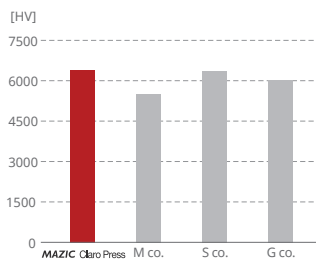
TECHNICAL DATA

• Flexural strength



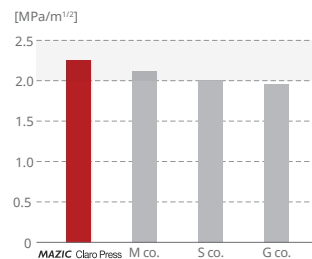
High flexural strength makes possible to use the material for a long time in oral.

• Vickers Hardness



High vickers hardness makes resistant to micro-wear.

• Fracture toughness



High fracture toughness decreases possibility of fracture by shock and others.

● Pressing Schedule

	Size	Investment Ring (g)	Start Temp (°C)	Heating Rate (°C / min.)	Final Temp (°C)	Holding Time (min.)	Pressing (μm / min.)	Vacuum On (°C)	Vacuum Off (°C)
HT	10T	100	700	60	910	15	300	700	910
	20T	200			915	25	250		915
LT	10T	100			915	15	300		915
	20T	200			917	25	250		917
MO	10T	100			915	15	300		915
	20T	200			920	25	250		920
HO	10T	100			910	15	300		910
	20T	200			915	25	250		915

PACKAGE

Type	Small (S)		
Size	10T		
Shade	HT	A1, A2, A3, A3.5, B1, B2, BL1, BL2 and 12 Shades	
	LT	A1, A2, A3, A3.5, B1, B2, BL1, BL2 and 12 Shades	
	MO	0, 1, 2, 3, (4)	
	HO	0, 1, 2	

TYPE	SHADE	PRODUCT CODE	KFDA Reg. CODE
HT	A1	MCP10-HTA1	MAZIC Claro Press HT A1 S
	A2	MCP10-HTA2	MAZIC Claro Press HT A2 S
	A3	MCP10-HTA3	MAZIC Claro Press HT A3 S
	A3.5	MCP10-HTA5	MAZIC Claro Press HT A3.5 S
	A4	MCP10-HTA4	MAZIC Claro Press HT A4 S
	B1	MCP10-HTB1	MAZIC Claro Press HT B1 S
	B2	MCP10-HTB2	MAZIC Claro Press HT B2 S
	B3	MCP10-HTB3	MAZIC Claro Press HT B3 S
	B4	MCP10-HTB4	MAZIC Claro Press HT B4 S
	C1	MCP10-HTC1	MAZIC Claro Press HT C1 S
	C2	MCP10-HTC2	MAZIC Claro Press HT C2 S
	C3	MCP10-HTC3	MAZIC Claro Press HT C3 S
	C4	MCP10-HTC4	MAZIC Claro Press HT C4 S
	D2	MCP10-HTD2	MAZIC Claro Press HT D2 S
	D3	MCP10-HTD3	MAZIC Claro Press HT D3 S
	D4	MCP10-HTD4	MAZIC Claro Press HT D4 S
	BL1	MCP10-HBL1	MAZIC Claro Press HT BL1 S
	BL2	MCP10-HBL2	MAZIC Claro Press HT BL2 S
	BL3	MCP10-HBL3	MAZIC Claro Press HT BL3 S
	BL4	MCP10-HBL4	MAZIC Claro Press HT BL4 S

TYPE	SHADE	PRODUCT CODE	KFDA Reg. CODE
LT	A1	MCP10-LTA1	MAZIC Claro Press LT A1 S
	A2	MCP10-LTA2	MAZIC Claro Press LT A2 S
	A3	MCP10-LTA3	MAZIC Claro Press LT A3 S
	A3.5	MCP10-LTA5	MAZIC Claro Press LT A3.5 S
	A4	MCP10-LTA4	MAZIC Claro Press LT A4 S
	B1	MCP10-LTB1	MAZIC Claro Press LT B1 S
	B2	MCP10-LTB2	MAZIC Claro Press LT B2 S
	C1	MCP10-LTC1	MAZIC Claro Press LT C1 S
	C2	MCP10-LTC2	MAZIC Claro Press LT C2 S
	C3	MCP10-LTC3	MAZIC Claro Press LT C3 S
	D2	MCP10-LTD2	MAZIC Claro Press LT D2 S
	D3	MCP10-LTD3	MAZIC Claro Press LT D3 S
	D4	MCP10-LTD4	MAZIC Claro Press LT D4 S
	BL1	MCP10-LBL1	MAZIC Claro Press LT BL1 S
	BL2	MCP10-LBL2	MAZIC Claro Press LT BL2 S
	BL3	MCP10-LBL3	MAZIC Claro Press LT BL3 S

TYPE	SHADE	PRODUCT CODE	KFDA Reg. CODE
MO	0	MCP10-LMO0	MAZIC Claro Press MO 0 S
	1	MCP10-LMO1	MAZIC Claro Press MO 1 S
	2	MCP10-LMO2	MAZIC Claro Press MO 2 S
	3	MCP10-LMO3	MAZIC Claro Press MO 3 S

TYPE	SHADE	PRODUCT CODE	KFDA Reg. CODE
HO	0	MCP10-LHO0	MAZIC Claro Press HO 0 S
	1	MCP10-LHO1	MAZIC Claro Press HO 1 S
	2	MCP10-LHO2	MAZIC Claro Press HO 2 S

MAZIC Zir

Pre-sintered Zirconium Oxide Blanks (Y-TZP) for the Dental CAD/CAM system



FEATURES AND BENEFITS

- **MAZIC Zir HT Shade**
 - 1100~1200MPa of Flexural strength
 - Excellent fractural strength
 - Natural tooth-like translucency
- **MAZIC Zir HT Ultra**
 - 700~800MPa of Flexural strength
 - High esthetic
 - Natural tooth-like translucency
- **MAZIC Zir HT Multi**
 - 1100~1200MPa of Flexural strength
 - Natural gradation
 - Time saving and improve efficiency at work

INDICATIONS

- MAZIC Zir HT Shade**
: coping crowns, posterior crowns, bridge crowns
- MAZIC Zir HT Ultra**
: inlays, venner crowns, anterior crowns
- MAZIC Zir HT Multi**
: coping crowns, anterior crowns, posterior crowns, bridge crowns

INFORMATION

●Chemical Composition

Properties	HT	MULTI	ULTRA
ZrO ₂ +HfO ₂ +Y ₂ O ₃	≥ 98	≥ 98	≥ 98
Y ₂ O ₃	4 ~ 6	4 ~ 6	8 ~ 10
Al ₂ O ₃	≤ 0.07	≤ 0.07	≤ 0.07
Other Oxides	≤ 0.5	≤ 0.5	≤ 0.5
Flexural Strength	> 1100MPa	> 1100MPa	> 700MPa

●Sintering Schedule : Normal Electricity

Value	HT	MULTI	ULTRA
Heating Rate	3~5°C / min	3~5°C / min	3~5°C / min
Final Temperature	1500°C	1500°C	1530°C
Holding Time	2 hr	2 hr	2 hr
Cooling	Natural	Natural	Natural

●Sintering Schedule : Micro Wave

Temperature	HT Heating Rate	MULTI Heating Rate	ULTRA Heating Rate
~ 400°C	20°C / min	20°C / min	20°C / min
~ 900°C	10°C / min	10°C / min	10°C / min
~ 900°C	Holding 20 min	Holding 20 min	Holding 20 min
~ 1200°C	10°C / min	10°C / min	10°C / min
~ 1400°C	8°C / min	8°C / min	8°C / min
~ 1500°C	5°C / min	5°C / min	5°C / min
~ 1500°C	Holding 20 min	Holding 20 min	Holding 20 min
Cooling	Natural	Natural	Natural

PACKAGE

• HT Shade - Disk Type

PRODUCT	ø98	ø95	ø100
SIZE (T)	10T, 12T, 14T, 16T, 18T, 20T, 22T, 25T		
SHADE	0,1,2,3		

TYPE	SIZE	SHADE	PRODUCT CODE	KFDA Reg. CODE
HT Shade Disk	ø 98 10T	0	MZB98-10A0	MAZIC Zir B-D10
		1	MZS98-10A1	MAZIC Zir DSLD10
		2	MZS98-10A2	MAZIC Zir DSMD10
	ø 98 12T	3	MZS98-10A3	MAZIC Zir DSDD10
		0	MZB98-12A0	MAZIC Zir B-W12
		1	MZS98-12A1	MAZIC Zir DSLW12
	ø 98 14T	2	MZS98-12A2	MAZIC Zir DSMW12
		3	MZS98-12A3	MAZIC Zir DSDW12
		0	MZB98-14A0	MAZIC Zir B-W14
	ø 98 16T	1	MZS98-14A1	MAZIC Zir DSLW14
		2	MZS98-14A2	MAZIC Zir DSMW14
		3	MZS98-14A3	MAZIC Zir DSDW14
	ø 98 18T	0	MZB98-16A0	MAZIC Zir B-W16
		1	MZS98-16A1	MAZIC Zir DSLW16
		2	MZS98-16A2	MAZIC Zir DSMW16
	ø 98 20T	3	MZS98-16A3	MAZIC Zir DSDW16
		0	MZB98-18A0	MAZIC Zir B-W18
		1	MZS98-18A1	MAZIC Zir DSLW18
	ø 98 22T	2	MZS98-18A2	MAZIC Zir DSMW18
		3	MZS98-18A3	MAZIC Zir DSDW18
		0	MZB98-20A0	MAZIC Zir B-W20
	ø 98 25T	1	MZS98-20A1	MAZIC Zir DSLW20
		2	MZS98-20A2	MAZIC Zir DSMW20
		3	MZS98-20A3	MAZIC Zir DSDW20

※ ø 95 & ø 100 will be released, soon.

• HT Shade - Mandrel Type (Cerec Type)

PRODUCT	40L	55	65
SIZE (W × L × H, mm)	40 X 19 X 15.5	55 X 19 X 15.5	65 X 25 X 22
SHADE	0,1,2,3		

TYPE	SIZE	SHADE	PRODUCT CODE	KFDA Reg. CODE
HT Shade Mandrel	40L	0	MZB40-00A0	MAZIC Zir B-C40
		1	MZS40-00A1	MAZIC Zir DSLC40
		2	MZS40-00A2	MAZIC Zir DSMC40
		3	MZS40-00A3	MAZIC Zir DSDC40
	55	0	MZB55-00A0	MAZIC Zir B-C55
		1	MZS55-00A1	MAZIC Zir DSLC55
		2	MZS55-00A2	MAZIC Zir DSMC55
		3	MZS55-00A3	MAZIC Zir DSDC55
	65	0	MZB65-00A0	MAZIC Zir B-C65
		1	MZS65-00A1	MAZIC Zir DSLC65
		2	MZS65-00A2	MAZIC Zir DSMC65
		3	MZS65-00A2	MAZIC Zir DSDC65

• HT Multi - Disk Type

PRODUCT	ø98	ø95	ø100
SIZE (T)	12T, 14T, 16T, 18T, 20T		
SHADE	Multi		

TYPE	SIZE	SHADE	PRODUCT CODE	KFDA Reg. CODE
HT Multi Disk	ø 98 12T	Multi	MZS98-12LL	MAZIC Zir-DMLW12
	ø 98 14T		MZS98-14LL	MAZIC Zir-DMLW14
	ø 98 16T		MZS98-16LL	MAZIC Zir-DMLW16
	ø 98 18T		MZS98-18LL	MAZIC Zir-DMLW18
	ø 98 20T		MZS98-20LL	MAZIC Zir-DMLW20

※ ø 95 & ø 100 will be released, soon.

• HT Ultra - Disk Type

PRODUCT	ø98	ø95	ø100
SIZE (T)	10T, 12T, 14T, 16T, 18T, 20T, 22T, 25T		
SHADE	0, 0.5		

TYPE	SIZE	SHADE	PRODUCT CODE	KFDA Reg. CODE
HT Ultra Disk	ø 98 10T	0	MZC98-PU10	MAZIC Zir C-Pure D10
	ø 98 12T	0	MZC98-PU12	MAZIC Zir C-Pure W12
	ø 98 14T	0	MZC98-PU14	MAZIC Zir C-Pure W14
	ø 98 16T	0	MZC98-PU16	MAZIC Zir C-Pure W16
	ø 98 18T	0	MZC98-PU18	MAZIC Zir C-Pure W18
	ø 98 20T	0	MZC98-PU20	MAZIC Zir C-Pure W20
	ø 98 22T	0	MZC98-PU22	MAZIC Zir C-Pure W22

※ ø 95 & ø 100 will be released, soon.

• HT Ultra - Mandrel Type (Cerec Type)

PRODUCT	40L	55
SIZE (W × L × H, mm)	40 X 19 X 15.5	55 X 19 X 15.5
SHADE	0, 0.5	

※ HT-ultra mandral type will be released, soon.

MAZIC Art



FEATURES AND BENEFITS

It allows users to apply many different shades to Zirconia easily even for a Beginner.

INDICATIONS

Apply the MAZIC Art to non-sintered Zirconia in order to match the color of patient's teeth.

※Precautions

- Please trim the surface.
- Brush off the dust on the surface with a proper tool
- Thoroughly dry it before coloring (Dry equipment is not necessary)
- For the use of tools such as brushes and tweezers, please use non-metallic only.
- Coloring liquid can be diluted with distilled water, according to preference.

PACKAGE

ALL PRODUCTS		Shade			
MAZIC Art	30ml x 1bottle	Body Color	A : 1, 2, 3, 3.5, 4	B : 1, 2, 3, 4	C : 1, 2, 3, 4
		Point Color	Blue, Brown, Gray Violet, Orange Yellow, White, Pink, Fluorescence, Ice Blue, Ice Gray		

COLOR GUIDE

※The color guide is based on **Zirconia Coloring Liquid MAZIC Art from Vericom.**

● Body color













Type	Color	Method	Type	Color	Method
MAZIC Art A1		Dipping, Brushing	MAZIC Art C1		Dipping, Brushing
MAZIC Art A2			MAZIC Art C2		
MAZIC Art A3			MAZIC Art C3		
MAZIC Art A3.5			MAZIC Art C4		
MAZIC Art A4			MAZIC Art D2		
MAZIC Art B1			MAZIC Art D3		
MAZIC Art B2			MAZIC Art D4		
MAZIC Art B3			-		
MAZIC Art B4			-		

● Point color















Type	Color	Area of application
MAZIC Art Blue		Cusp, Marginal ridge, Translucency (※ High concentration, Use a small amount)
MAZIC Art Brown		Groove, Fossa
MAZIC Art Gray Violet		Cusp, Marginal ridge, Translucency (※ High concentration, Use a small amount)
MAZIC Art Orange Yellow		Groove, Fossa
MAZIC Art White		Inner side, Opaque effect (※ Use a small amount on exact area)
MAZIC Art Pink		Gingiva, Translucency of Cusp
MAZIC Art Fluorescence		Ivory effect (※ Translucency could be lowered after sintering)
MAZIC Art Ice Blue		Cusp, Translucency of occlusal area, Thin concentration (※ Apply a sufficient amount widely.)
MAZIC Art Ice Gray		

COLORING METHOD

• Instructions for coloring an anterior tooth

Step	Color Liquid	Color application		Guidelines
				Start milling process with targeting or brighter shade.
1	Body Color			Express the color of cervical area with your targeting shade or one step darker shade. ※ You can control the amount of liquid and the degree of dilution depending on the block shade
2	- Gray Violet - Blue - White			Use Gray and Blue color to express translucency. White is used at occlusal area to create a halo effect. ※ Apply thin and small amount.
3	- Ice Blue - Ice Gray			Use Ice blue and Ice gray color to express translucency. ※ Apply the appropriate amount widely.
4	Body Color			Apply the appropriate volume on the entire area with the shade as your target. If necessary, apply properly on the inner surface as well. ※ You can control the amount of liquid and the degree of dilution depending on the block shade.
5				Sinter after completely drying.

• Instructions for coloring a posterior tooth

Step	Color Liquid	Color application		Guidelines
				Start milling process with targeting or brighter shade.
1	Body Color			Express the color of cervical area with your targeting shade or one step darker shade. ※ You can control the amount of liquid and the degree of dilution depending on the block shade
2	Brown or Orange Yellow			Color on the groove and fossa area. ※ Apply small amount.
3	- Gray Violet - Blue - White			Use Gray and Blue color to express translucency. ※ Apply thin and small amount.
4	- Ice Blue - Ice Gray			Use Ice blue and Ice gray color to express translucency. ※ Apply the appropriate amount widely.
5	Body Color			Apply the appropriate amount on the entire area with the same shade as your target. If necessary, apply properly on the inner surface as well. ※ You can control the amount of liquid and the degree of dilution depending on the block shade.
6				Sinter after completely drying.

MAZIC Pro

Provisional Hybrid Composite Blank for CAD/CAM



FEATURES AND BENEFITS

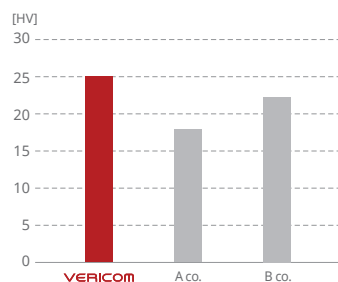
MAZIC Pro is a hybrid temporary restoration material containing 10nm ceramic filler and pearl type polymer. Compared to previous PMMA materials, it has distinct visual aesthetic and workability. Since its components based on the MAZIC Duro, it features high flexural strength and stability, which are greater than PMMA. Also, it assures excellent mechanical strength and elasticity for various applications.

INDICATIONS

Temporary crowns, temporary bridges, implant temporaries, therapeutic restorations to correct TMJ problems and occlusal adjustments.

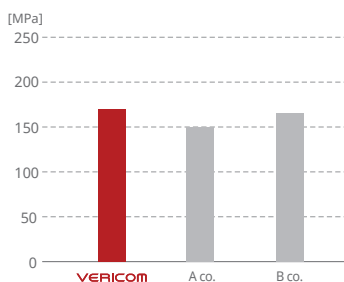
TECHNICAL DATA

• Surface hardness



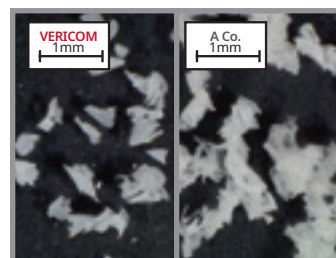
High surface hardness makes resistant to micro-wear

• Flexural strength



High flexural strength makes possible to use the material for a long time in oral

• Comparison of residues processed by Ball End Mill



More precise processed-residue by ceramic filler containing

POLISHING & GLAZING

– Polishing Procedure



1. Trimming the sprue and surface with cerapol wheel.



2. Polishing the surface with cerapol point.



3. Polishing the surface with soft brush (Diamond paste applied brush).



4. Finishing the surface with cotton wheel.

– Glazing Procedure



1. Trimming the sprue and surface with cerapol wheel.



2. Using MAZIC Glaze stain liquid to apply various colors.



3. Applying suitable amount of the MAZIC Glaze Clear to all over the surface.



4. Using our exclusive Light-cure device (Cure Box Dual) for 5-10 min. Set UVA Type wave-length (400~405nm).

PACKAGE

• Mandrel Type (Cerec Type)

PRODUCT	B40L	B55
SIZE (W × L × H, mm)	15.5 × 19 × 39	15.5 × 19 × 55
SHADE	A1, A2, A3	

SIZE	VOLUME	SHADE	PRODUCT CODE (KFDA Reg. CODE)
B40L	5ea	A1	ROK05-40A1
		A2	ROK05-40A2
		A3	ROK05-40A3
	10ea	A1	ROK10-40A1
		A2	ROK10-40A2
		A3	ROK10-40A3

SIZE	VOLUME	SHADE	PRODUCT CODE (KFDA Reg. CODE)
B55	5ea	A1	ROK05-55A1
		A2	ROK05-55A2
		A3	ROK05-55A3
	10ea	A1	ROK10-55A1
		A2	ROK10-55A2
		A3	ROK10-55A3

• Disk Type

PRODUCT	ø 98
SIZE (T)	14T, 16T, 18T, 20T, 25T
SHADE	A1, A2, A3

TYPE	SIZE	SHADE	PRODUCT CODE (KFDA Reg. CODE)
ø 98	14T	A1	ROK01-14A1
		A2	ROK01-14A2
		A3	ROK01-14A3
	16T	A1	ROK01-16A1
		A2	ROK01-16A2
		A3	ROK01-16A3
	18T	A1	ROK01-18A1
		A2	ROK01-18A2
		A3	ROK01-18A3
	20T	A1	ROK01-20A1
		A2	ROK01-20A2
		A3	ROK01-20A3
	25T	A1	ROK01-25A1
		A2	ROK01-25A2
		A3	ROK01-25A3

MAZIC Wax

Millable Wax for CAD/CAM



FEATURES AND BENEFITS

- MAZIC Wax is a wax block for pattern milling used in the casting, pressing technique and for diagnostic wax-up, mock-up and calibration of a milling machine.

INDICATIONS

- Milling of wax patterns for metal casting technique
- Milling of wax patterns for pressing technique
- Milling of wax patterns for press-over technique
- Diagnostic wax-up and mock-up
- Calibration of a milling machine

PACKAGE

- Disk Type: 1ea
- Rectangular Type: 1ea

TYPE	SIZE	PRODUCT CODE	KFDA Reg. CODE
Rectangular	76x38x10	MWK01-763810	MAZICWax 763810
	76x38x12	MWK01-763812	MAZIC Wax 763812
	76x38x14	MWK01-763814	MAZICWax 763814
	76x38x16	MWK01-763816	MAZICWax 763816
	76x38x18	MWK01-763818	MAZICWax 763818
	76x38x20	MWK01-763820	MAZICWax 763820
	76x38x22	MWK01-763822	MAZIC Wax 763822

TYPE	SIZE	PRODUCT CODE	KFDA Reg. CODE
Disk	ø98x10	MWK01-9810	MAZICWax 9810
	ø98x12	MWK01-9812	MAZICWax 9812
	ø98x14	MWK01-9814	MAZICWax 9814
	ø98x16	MWK01-9816	MAZICWax 9816
	ø98x18	MWK01-9818	MAZICWax 9818
	ø98x20	MWK01-9820	MAZIC Wax 9820
	ø98x22	MWK01-9822	MAZIC Wax 9822
	ø98x25	MWK01-9825	MAZICWax 9825

MAZIC Glaze

Light-Cured Characterization Solution



FEATURES AND BENEFITS

MAZIC Glaze is a light-cured characterization coating solution to stain and glaze artificial acrylic teeth and etc.

INDICATIONS

Available in various shades, surface gloss and high wear resistance to restorations made of composite resin, acrylic denture base and artificial acrylic teeth.

PACKAGE

	ALL PRODUCTS	PRODUCT CODE	KFDA Reg. CODE	COLOR
Advanced kit	MAZIC Glaze x 12ea, Mixing well x 1ea, Brush holder x 2ea, Brush tips (Flat type x 3ea, Line type x 3ea)	MG438-KAD0	Mazic Glaze Advanced kit	
Starter kit (for inlay, crown)	MAZIC Glaze x 3ea (Clear, Orange, A-line), Mixing well x 1ea, Brush holder x 1ea, Brush tips (Flat type x 1ea, Line type x 1ea)	MG411-KST0	Mazic Glaze Starter kit	
Special kit (for denture)	MAZIC Glaze x 3ea (Clear, Red, Pink), Mixing well x 1ea, Brush holder x 1ea, Brush tips (Flat type x 1ea, Line type x 1ea)	MG411-KSP0	Mazic Glaze Special kit	

● contents: Clear 5ml, the rest 3ml / ● Color: Clear, A-line, Blue, Brown, Gray, Ivory, Orange, Pink, Purple, Red, White, Yellow

MAZIC Primer

Surface Pretreatment Primer



FEATURES AND BENEFITS

MAZIC Primer improves bonding strength between resin cement and indirect restoration such as zirconia, metal glass ceramic, lithium disilicate glass ceramic and composite resin.

SPECIFICATION

Bonding enhancer between resin cement and various prosthesis such as zirconia, metal, glass ceramic, lithium disilicate glass ceramic and composite resin.

PACKAGE

	ALL PRODUCTS	PRODUCT CODE	KFDA Reg. CODE
MAZIC Primer	5ml x 1bottle	MP405-R000	MP405-R000

Hipac cozy

Heat-curing Denture Base Resin



FEATURES AND BENEFITS

- Hipac cozy is a heat-curing denture base resin. It can be used as a dental acrylic resin for the fabrication of full and partial dentures.
- Hipac cozy has high strength and color stability and it is minimized porosity. It is easy to handle because it has sufficient working time.

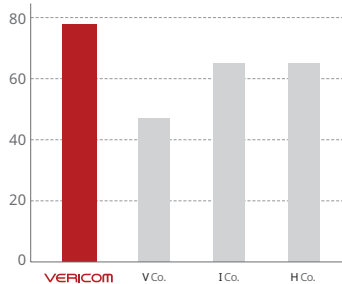
INDICATIONS

- Fabrication of full and partial dentures

TECHNICAL DATA

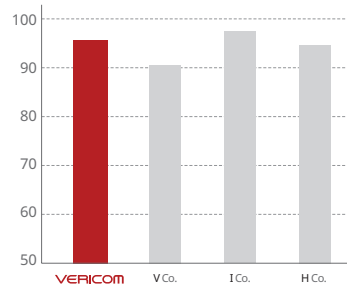
• Micro vickers hardness

[Hv]



• Flexural strength

[MPa]



PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
Hipac cozy	Powder(454g x 1 bottle), Liquid(250ml x 1 bottle)	Original	HC3PL-O000	Hipac cozy Original
		Light pink	HC3PL-LP00	Hipac cozy Light pink
		Reddish pink	HC3PL-RP00	Hipac cozy Reddish pink
		Pink opaque	HC3PL-PO00	Hipac cozy Pink opaque

Hipac cozy SC

Self-curing Denture Base Resin



FEATURES AND BENEFITS

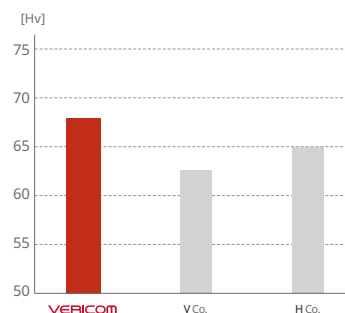
- Hipac cozy SC is self-curing denture base resin. It can be used as a dental acrylic resin for the fabrication of partial and combination dentures. It can also be used as relining and repair of denture.
- Hipac cozy SC has high strength and it is compatible with Hipac cozy. It is easy to handle because it has optimized polymerization time.

INDICATIONS

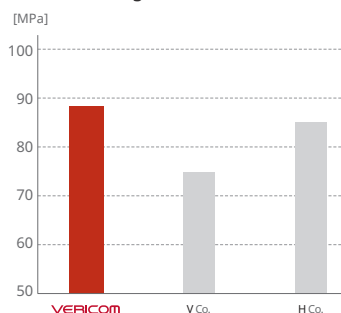
- Fabrication of partial and combination dentures
- Relining and repair of denture

TECHNICAL DATA

• Micro vickers hardness



• Flexural strength



PACKAGE

ALL PRODUCTS		PRODUCT CODE	KFDA Reg. CODE
Hipac cozy SC	Powder(454g x 1 bottle), Liquid(250ml x 1 bottle)	Original	HC3PL-O0SC
		Light pink	HC3PL-LPSC
		Reddish pink	HC3PL-RPSC
		Pink opaque	HC3PL-POSC
			Hipac cozy SC 1
			Hipac cozy SC 2
			Hipac cozy SC 3
			Hipac cozy SC 4

Laboratory Materials | Tray Resin

Eazipan LC

Light Curing Individual Tray Resin



FEATURES AND BENEFITS

- Eazipan LC is a light-cured transparent thixotropic impression tray material in form of contoured plates for precise work for crown, bridge and total prosthetic technique as well as for the fabrication of bases for bite patterns.

INDICATIONS

- Individual tray for crown, bridge and total prosthetic technique
- Base plates for bite patterns and odontograms

PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
Eazipan LC	Normal pack	50sheets / Container	EP450-K000	Eazipan LC Pink

Laboratory Materials | Curing Device

Cure Box Dual

LED Curing Device



FEATURES AND BENEFITS

- Cure Box Dual, as a multi-purpose light curing device, lets most of light-cured resins in dental filed be cured by using Dual Wavelength. In comparison with other devices with UV Lamp, semipermanent lamp life allows effective curing thanks to 4 times stronger brightness. In addition, it prevents overheating and overcurrent by using SMPS and also supplies stable power thanks to the long life cycles.

SPECIFICATION

- LED Input power: 400~405nm / 460~465nm
- Input power: AC 100V-240V, 50/60Hz
- Rated capacity: 65W
- Dimensions(WxDxH): 200 x 282 x 107mm

PACKAGE

ALL PRODUCTS	PRODUCT CODE
Cure Box Dual	-

MAZIC D TEMP

3D Printing Material for Crowns & Bridges



FEATURES AND BENEFITS

MAZIC D Temp is photopolymer acrylate type resin for printing crowns and bridges compatible with any kinds of UV-light curing 3D printers. Output is easy to surface process and polish. Balance between opacity and translucency of printed crowns and bridges is appropriate to assimilate with surrounding teeth. High strength, high output accuracy, fast printing speed and low water solubility and sorption making it suitable for printing crowns and bridges.

SPECIFICATIONS & PACKAGE

Properties	Value
Brookfield viscosity(25°C) (ISO 2555)	1100~1300 cP
Flexural strength (ISO 10477)	≥ 50 MPa
Flexural modulus (ISO 10477)	≥ 1,500 MPa
Shore hardness (ASTM D2240)	D80-90
Water sorption (ISO 10477)	<40 µg/mm³
Water solubility (ISO 10477)	<7.5 µg/mm³
Volume	250g / 500g / 1kg

Shade (Kg)	Product Code	Shade (g)	Product Code	Shade (g)	Product Code
BL	TP410-KOBL	BL	TP405-KOBL	BL	TP425-SSBL
A1	TP410-KOA1	A1	TP405-KOA1	A1	TP425-SSA1
A2	TP410-KOA2	A2	TP405-KOA2	A2	TP425-SSA2
A3	TP410-KOA3	A3	TP405-KOA3	A3	TP425-SSA3
TR	TP410-KOTR	TR	TP405-KOTR	TR	TP425-SSTR

※ Same as Product Code and KFDA Reg. CODE

MAZIC D SG

3D Printing Material for Implant Surgical Guide



FEATURES AND BENEFITS

MAZIC D SG is photopolymer acrylate type resin for printing dental surgical guide compatible with any kinds of UV-light curing 3D printers. Printed surgical guide is used for guiding course and direction of implant and surgery equipments. Drill sleeves can be inserted directly on the printed surgical guide. It has resistance that can be sterilized using autoclave without affecting dimensional stability and mechanical properties. MAZIC D SG has high elasticity and precision, fast printing speed, and sufficient strength and transparent, making it suitable for using as surgical guide.

SPECIFICATIONS & PACKAGE

Properties	Value
Color	Resin: Transparent green Final: Transparent orange
Brookfield viscosity(25°C) (ISO 2555)	800~900 cP
Flexural strength (ISO 20795-1)	≥ 80 MPa
Flexural modulus (ISO 20795-1)	≥ 1,500 MPa
Shore hardness (ASTM D2240)	D80-90
Biocompatibility (ISO 10993-1)	Affirmative
Autoclave (121°C/30min)	Available
Volume	250g / 500g / 1kg

ALL PRODUCTS	Product Code (KFDA Reg. CODE)
MAZIC D SG	SG410-K000
	SG405-K000
	SG425-S000

MAZIC D MODEL

3D Printing Material for Dental Model



FEATURES AND BENEFITS

MAZIC D Model is photopolymer acrylate type resin for printing dental model compatible with any kinds of UV-light curing 3D printers. Printed model can be used in any work that uses the traditional gypsum model. Color and opacity makes visual detail of surface more clearly. High strength and low shrinkage make MAZIC D Model suitable for printing high precision dental model.

SPECIFICATIONS

Properties		Value
Color	Resin	Opaque yellow
	Final	Opaque yellow
Brookfield viscosity(25°C) (ISO 2555)		800~900 cP
Flexural strength (ISO 20795-1)		≥ 80 MPa
Flexural modulus (ISO 20795-1)		≥ 1,700 MPa
Shore hardness (ASTM D2240)		D80-85
Volume		250g / 500g / 1kg

MAZIC D MODEL ORTHO

3D Printing Material for Orthodontic Model



FEATURES AND BENEFITS

MAZIC D Model Ortho is photopolymer acrylate type resin for printing dental orthodontic model compatible with any kinds of UV-light curing 3D printers. Compared to MAZIC D Model, MAZIC D Ortho is superior in many ways such as fast printing speed and higher physical strength.

SPECIFICATIONS

Properties		Value
Color	Resin	Opaque green
	Final	Opaque orange
Brookfield viscosity(25°C) (ISO 2555)		800~900 cP
Flexural strength (ISO 20795-1)		≥ 100 MPa
Flexural modulus(ISO 20795-1)		≥ 2,400 MPa
Shore hardness (ASTM D2240)		D80-90
Thermoforming		Available
Volume		250g / 500g / 1kg

MAZIC D CAST

3D Printing Material for Castable Parts



FEATURES AND BENEFITS

MAZIC D Cast is photopolymer acrylate type resin for printing materials replacing conventional casting wax in metal casting process compatible with any kinds of UV-light curing 3D printers.

MAZIC D Cast is fast manufacturable, low shrinkage and high flexural strength and modulus materials make it suitable for printing high accuracy and non deformable printing output. MAZIC D Cast has advantages of leaving no residue and easy burning during burnout process.

SPECIFICATIONS & PACKAGE

Properties		Value
Color	Resin	Opaque red
	Final	Opaque red
Brookfield viscosity(25°C) (ISO 2555)		200~300 cP
Flexural strength (ISO 20795-1)		≥ 50 MPa
Flexural modulus (ISO 20795-1)		≥ 1,200 MPa
Burnout condition		850°C 45min
Cauterisation residual ash content		< 0.1%
Volume		250g / 500g / 1kg

MAZIC D DENTURE

[COMING SOON] 3D Printing Material for Denture Base



FEATURES AND BENEFITS

MAZIC D Denture is photopolymer acrylate type resin for printing denture base compatible with any kinds of UV-light curing 3D printers. Printed denture base has little color deviation depending on the post curing machine use. It looks natural with proper transparency and color. High strength and fast printing speed and accuracy make MAZIC D Denture suitable for use as denture base.

SPECIFICATIONS & PACKAGE

Properties		Value
Color	Resin	Opaque pink
	Final	Opaque pink
Brookfield viscosity(25°C) (ISO 2555)		1000~1100 cP
Flexural strength (ISO 20795-1)		≥ 65 MPa
Flexural modulus (ISO 20795-1)		≥ 2,000 MPa
Total fracture work (ISO 20795-1)		≥ 900 J/m ²
Max. stress intensity factor (ISO20795-1)		≥ 1.9MPa ^{1/2}
Water sorption (ISO 20795-1)		≤ 32 µg/mm ³
Water Solubility (ISO 20795-1)		≤ 1.6 µg/mm ³
Volume		250g / 500g / 1kg

MAZIC D SPLINT [COMING SOON]

3D Printing Material for Splints & Temporary Use



FEATURES AND BENEFITS

MAZIC D Splint is photopolymer acrylate type biocompatible resin for printing splints and retainers compatible with Any kinds of UV-light curing 3D Printers. High resolution output is clear-transparent and thereby aesthetically pleasing and also it has remarkable hardness, strength, fracture toughness, precision for replacing previous machining methods.

SPECIFICATIONS

Properties		Value
Color	Resin	Clear-transparent
	Final	Clear-transparent
Brookfield viscosity(25 °C) (ISO 2555)		800 ~ 1,200 cP
Flexural strength (ISO 20795-2)		≥ 50 MPa
Flexural modulus (ISO 20795-2)		≥ 1,500 MPa
Max. stress intensity factor (ISO 20795-2)		≥ 1.1 MPa ^m
Total fracture work (ISO 20795-2)		≥ 250 J/m ²
Residual monomer (ISO 20795-2)		≤ 5.0 %(w/w)
Water sorption (ISO 20795-2)		≤ 32 µg/mm ³
Water solubility (ISO 20795-2)		≤ 5.0 µg/ml ¹
Volume		250g / 500g / 1kg

MAZIC D mixer

Rolling and Tilting Stirring Device for Mixing 3D Printing Materials



FEATURES AND BENEFITS

The MAZIC D mixer is a rolling and tilting stirring device for mixing 3D printing materials before pouring in the resin tank of the 3D printer. Printing materials must be mixed well. Handshaking may be insufficient for highly filled and colored materials. MAZIC D mixer should be thoroughly used to mix the materials. If materials are insufficiently mixed, printing failure may occur. MAZIC D mixer keeps your 3D printing resins to be ready for use at any time with the best consistency.

BENEFITS

- Stirring and tilting motion
- Optimum consistency results
- Keep materials ready for use

SPECIFICATIONS

Dimension	260(W) x 155(D) x 140(H)mm
Rated voltage	AC 220V / 50-60Hz
Power	6W
Fuse	F1AL250V
Weight	3kg



Head Office / Factory

48, Toegyegongdan 1-gil, Chuncheon-si, Gangwon-do, Korea

Sales office / R&D Center

15, Jeonpa-ro 62beon-gil, Manan-gu, Anyang-si, Gyeonggi-do 14086, Korea
T. +82-31-441-2881 F. +82-31-441-2883 H. www.vericom.co.kr
E-mail. vericom@vericom.co.kr / overseas@vericomdental.com

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