

**VERICOM**

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**PRODUCT CATALOG**

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*

Since its establishment in 1998, VERICOM has followed a very strict Quality Control System Management ensuring all products have achieved highest international standards.

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



Creating shared value



Creative Human Resource Development



Transparent Management



Research Management on R&D

## Table of Contents

### RESTORATIVES

Hybrid Composite.....	06
Flowable Composite.....	10
Core Build-up.....	14
Temporary Filling .....	15

### PREVENTIVES

Cavity Varnish .....	16
Sealant.....	17
Tropical Fluoride Gel .....	17

### ADHESIVES & ETCHANTS

Bonding Agents .....	18
Etchants.....	21
Orthodontic cement.....	22
Resin Cement.....	23

### ENDODONTICS

Root Canal Filling Material.....	24
Root Canal Sealer .....	26
Temporary Root Canal Filling Materials .....	28
Root Canal Cleaner.....	29

### IMPRESSIONS

VPS Impressions.....	30
Bite Registration.....	35

### DISINFECTIONS

Instruments Cleaner .....	36
Suction System Cleaner .....	36

### DISPOSABLES

Disposables.....	37
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# DenFil N

Light-cured Restorative Nano Hybrid Composite Resin



## FEATURES AND BENEFITS

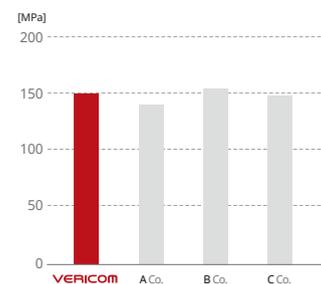
- DenFil N is a universal nano-hybrid composite for use in both posterior and anterior restoration, which meets the requirement of ISO4049.
- DenFil N adopts the Multi Nano-sized Particle distribution Technology (MNPT). It has highly esthetic appearance and natural shade blending with surrounding tooth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

## INDICATIONS

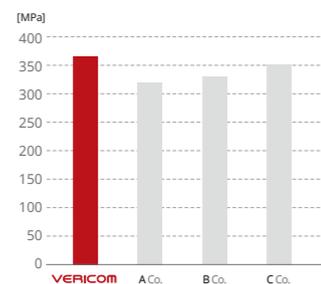
- Posterior (class I, II, V) and anterior (class III, IV, V) restoration

## TECHNICAL DATA

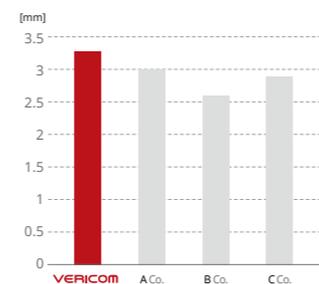
### Flexural strength



### 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, A20, A30, BL)  
B pack (A2, A3, A3.5, B1, B2, C1, A20, BL)  
C pack (A1, A2, A3, A3.5, B1, C1, A20, A30)
  - **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, A20, A30, BL
  - **Capsule (0.25g x 20ea)**  
- Shade: A1, A2, A3, A3.5, B1, B2, C1, A20, A30, BL
- ※ Common  
- 5ml BC Plus x 1bottle + 3ml Etchant x 1 syringe  
or 5ml U-Bond x 1bottle  
- Accessories: Brushes, Instrument, Mixing well, Mixing pad, Disposable tips (Blue)

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, A20, A30, BL	DN132-A00B	DenFil N 2300
			B Pack	A2, A3, A3.5, B1, B2, C1, A20, BL	DN132-B00B	DenFil N 2301
			C Pack	A1, A2, A3, A3.5, B1, C1, A20, A30	DN132-C00B	DenFil N 2302
		U-Bond	A Pack	A1, A2, A3, A3.5, B2, A20, A30, BL	DN132-A00U	DenFil N 2303
			B Pack	A2, A3, A3.5, B1, B2, C1, A20, BL	DN132-B00U	DenFil N 2304
			C Pack	A1, A2, A3, A3.5, B1, C1, A20, A30	DN132-C00U	DenFil N 2305

※ BC Plus (5th generation bonding agent) 5mlx1bottle & Etchant 3mlx1syringe / 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
	A20	DN104-RA20	DenFil N 2100A20
	A30	DN104-RA30	DenFil N 2100A30
	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
	A20	DN205-RA20	DenFil N 2101A20
	A30	DN205-RA30	DenFil N 2101A30
	BL	DN205-R0BL	DenFil N 2101BL

# DenFil

## Light-cured Restorative Hybrid Composite Resin



### FEATURES AND BENEFITS

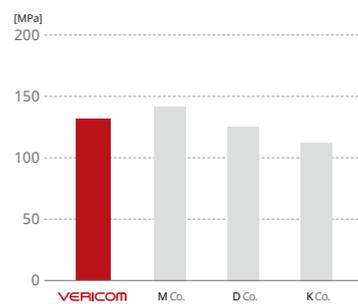
- It is designed to minimize polymerization shrinkage by inorganic fillers high loading, thus DenFil has excellent marginal sealing and surface texture.
- By adopting optimal polymerization initiator system, DenFil has high strength and abrasion resistance.
- As DenFil contains radiopaque filler, any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

### INDICATIONS

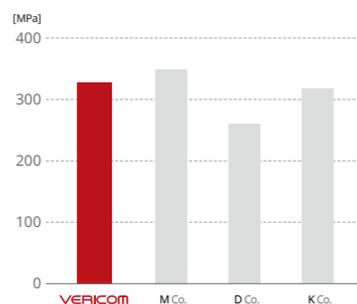
- Posterior (class I, II, V) and anterior (class III, IV, V) restoration

### TECHNICAL DATA

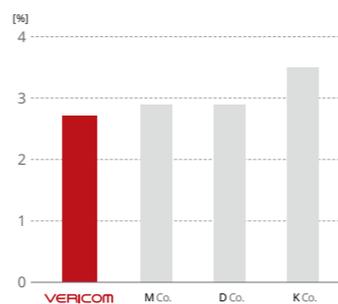
#### • Flexural strength



#### • 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)
- 5ml Bonding agent (U-Bond or BC Plus) x 1bottle
- + 3ml Etchant 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, A20, A30, I, P, E
- **Capsule (0.25g x 20ea)**
  - Shade : A1, A2, A3, A3.5, A4, B1, B2, B3, C2, C3, D3, A20, A30, I, P, E

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

	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
	A20	DF104-ROA2	DenFil 2100A20
	A30	DF104-ROA3	DenFil 2100A30
	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
	A20	DF205-ROA2	DenFil 2101A20
	A30	DF205-ROA3	DenFil 2101A30
	I	DF205-RI00	DenFil 2101I
	P	DF205-RP00	DenFil 2101P
	E	DF205-RE00	DenFil 2101E
	D3	DF205-RD33	DenFil 2101D3

# 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.

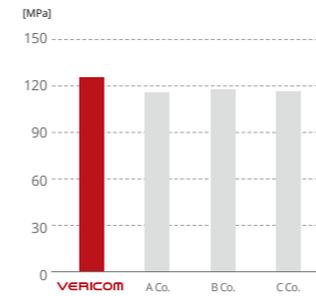
- Blend in with surrounding teeth

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

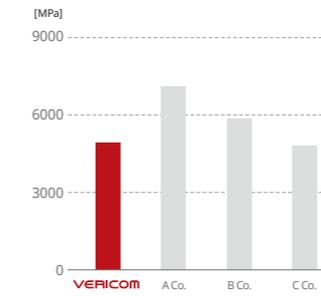
Chameleon effect that ensures a natural shade blend imparts a natural appearance to the tooth.



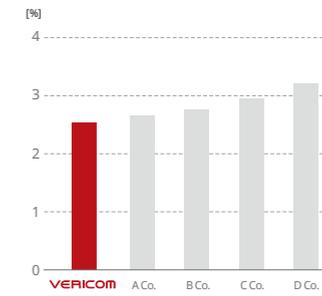
### Flexural strength



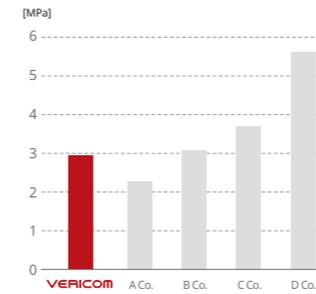
### Flexural modulus



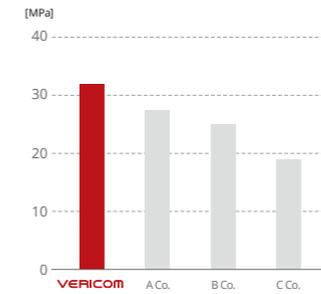
### Polymerization shrinkage



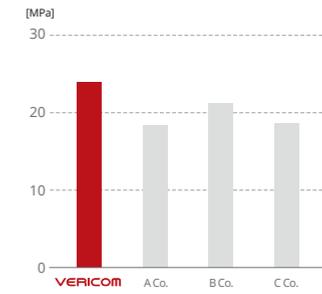
### Shrinkage stress



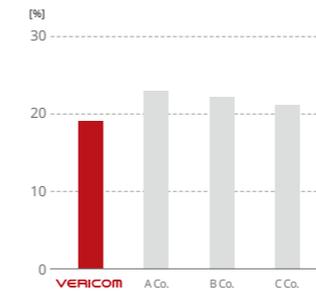
### Bonding strength of enamel



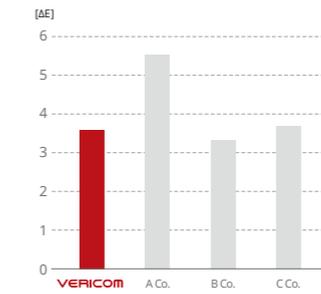
### Bonding strength of dentin



### 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

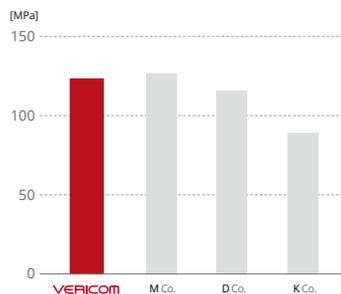
- DenFil Flow is a light-cured radiopaque flowable composite resin, which meets the requirements of ISO4049, has low shrinkage and good mechanical properties.
- DenFil Flow is designed to provide optimum flowability and handling can be used for restoration narrow & deep cavity as well as cervical area.
- 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

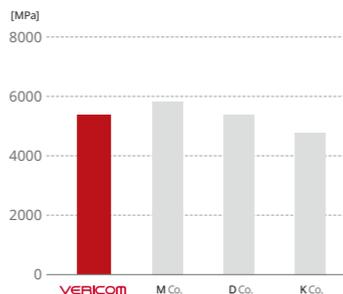
- Restorations of Class III, Class V, Smaller Class IV
- Base/liner in the Class I, Class II restorations
- Repair of resin, porcelain, and acrylic temporary materials
- Pit and fissure sealant
- Undercut blockout

## TECHNICAL DATA

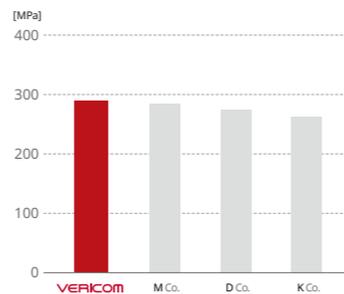
### • Flexural strength



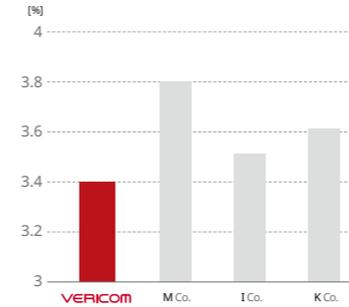
### • Flexural modulus



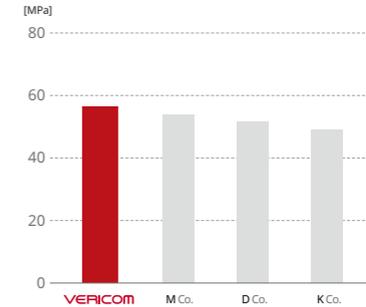
### • Compressive strength



### • 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
	B Pack	A2 x 4syringes	FR102-B000
	C Pack	A3 x 4syringes	FR102-C000
	D Pack	A3.5 x 4syringes	FR102-D000

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

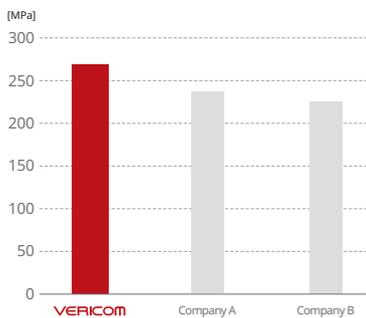
- Dual Core is a dual-cured (light+chemical) polymerization compound, which meets the requirements of ISO4049. It is used as a replacement for dental caries and core build-up.
- Dual Core is suitable for core build up due to its mechanical properties (compressive and flexural strength).
- Thixotropic property of Dual Core provides convenience for dental treatment. Dual Core is easy to apply to areas where need and it can be filled in a cavity without any space.

### INDICATIONS

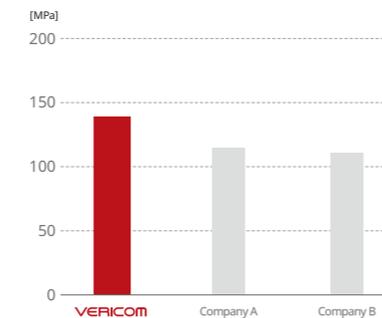
- Core build-up

### TECHNICAL DATA

#### Compressive strength



#### Flexural strength



### PACKAGE

ALL PRODUCTS			PRODUCT CODE	KFDA Reg. CODE
Dual Core	Natural	2 Syringes (4.5g Base + 4.5g Catalyst), 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

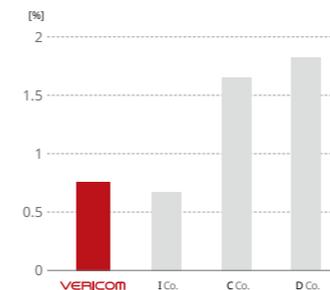
- Spacer is a light-cured temporary filling material containing nano-sized silver ingredient.
- Spacer is used for the temporary restoration of inlay and onlay.
- Spacer has high elasticity and strength and it shows a good marginal sealing performance.
- Spacer is a premixed type that doesn't require additional mixing. It can be removed easily all at once without leaving any debris in the cavity.

### INDICATIONS

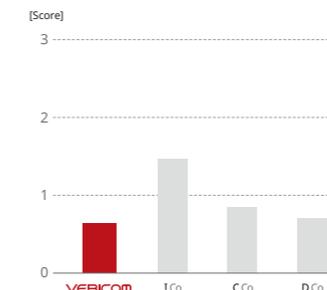
- Inlay and onlay temporary restoration
- All kinds of temporary filling and sealing

### TECHNICAL DATA

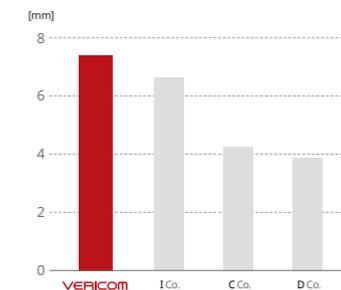
#### Initial polymerization shrinkage



#### 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



### FEATURES AND BENEFITS

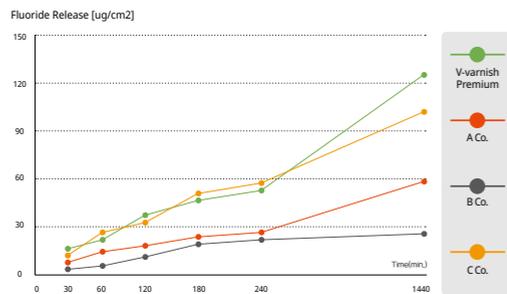
- V-varnish Premium is a clear cavity varnish containing 50mg of sodium fluoride per 1ml. It also contains TCP and xylitol. It is applied to teeth to deliver fluoride and treat hypersensitivity.
- V-varnish Premium is packed in single dose package which allows convenient mixing and easy application.

### 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 Bubble gum	VP320-S00B	V-varnish Premium Clear Bubble gum 50
			Clear Strawberry	VP320-S00S	V-varnish Premium Clear Strawberry 50
			Clear Melon	VP320-S00M	V-varnish Premium Clear Melon 50
		Bulk pack 200 single-unit-dose application sticks	Clear Bubble gum	VP380-S00B	V-varnish Premium Clear Bubble gum 200
			Clear Strawberry	VP380-S00S	V-varnish Premium Clear Strawberry 200
			Clear Melon	VP380-S00M	V-varnish Premium Clear Melon 200

# Eco-S

Light cured Pit & Fissure Sealant



### FEATURES AND BENEFITS

- Eco-S is a light-cured pit & fissure sealant designed for sealing the enamel pit and fissure of teeth for the prevention of caries.
- Eco-S contains specific nano-fillers that allows 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	1.2ml Sealant x 2syr. & 1.2ml Etchant x 2syringes. Disposable tips (Blue, Black)	ES105-K000	Eco-S Economic Kit
	Refill Kit	1.2ml Sealant x 4syringes. Disposable tips (Black)	ES105-RK00	Eco-S Normal Kit
	Refill	1.2ml Sealant 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 flavors

### 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

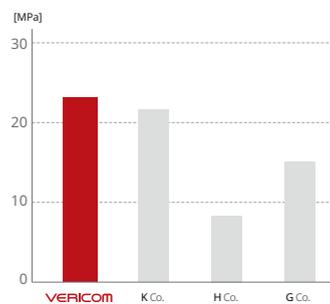
- U-Bond is a light-cured self etching adhesive designed to bond composite to dentin and enamel.
- U-Bond is classified as a 7th generation one-step bonding agent.

## INDICATIONS

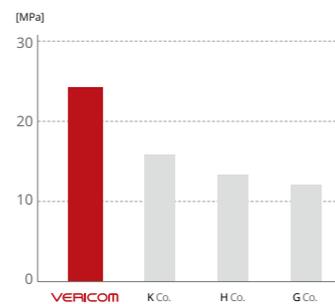
- Bonding of direct restoration of composite to tooth structure

## TECHNICAL DATA

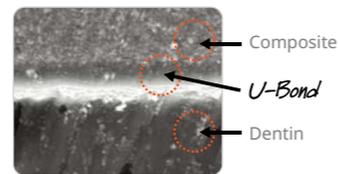
- Bonding Strength of Enamel



- 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	5ml U-Bond x 1bottle, Instrument, Mixing well, Brushes	UB405-K000	U-Bond Kit
	Refill	5ml U-Bond x 1bottle	UB405-R000	U-Bond

## RESEARCH REPORT

# THE DENTAL ADVISOR

"Improving Patient Care Through Research & Education"

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NUMBER 40 - OCTOBER 2011

## Bond Strength of U-Bond - a 7<sup>th</sup>-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 7<sup>th</sup>-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 7<sup>th</sup>-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. Product 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

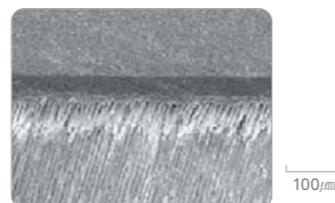
- Microleakage



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

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

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

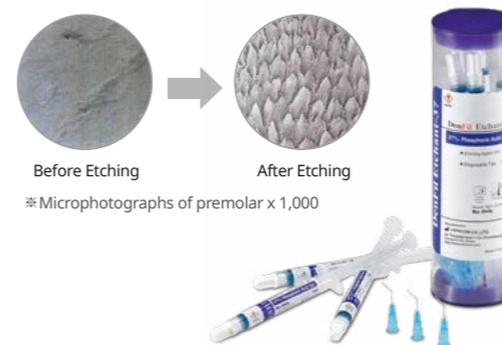


### PACKAGE

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

# DenFil Etchant-37

Semi-gel Type Etching Agent with Phosphoric Acid



Before Etching → After Etching  
※ Microphotographs of premolar x 1,000

### FEATURES AND BENEFITS

- DenFil Etchant-37 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-37	Bulk Kit	5ml Etchant x 5Syringes, Disposable tips (Blue)	ET125-B000	DenFil Etchant-37
	Eco Kit	3ml Etchant x 5Syringes, Disposable tips (Blue)	ET115-E000	
		3ml Etchant x 12Syringes, Disposable tips (Blue)	ET136-K000	
		30ml Etchant 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

# U-Bond Ortho

Light-cured Orthodontic Adhesive



## FEATURES AND BENEFITS



Before light cure    After light cure

- 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

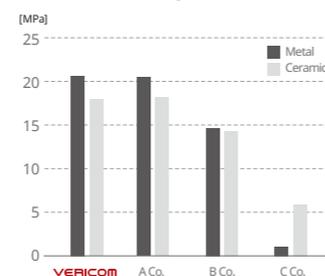
[ Patent Number : KR100932889 ]

## INDICATIONS

- Attaching Ceramic & metal bracket

## TECHNICAL DATA

- Shear bond strength



## PACKAGE

TYPE		ALL PRODUCTS	PRODUCT CODE	KFDA Reg. CODE
Kit	Sky	4g x 2syringes, 6ml Primer 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		6ml Primer x 1bottle	OP406-R000	U-Bond Primer
		3ml Primer x 1bottle	OP403-R000	U-Bond Primer Medium

# U-Cem Premium

Self-adhesive Universal Resin Cement



## FEATURES AND BENEFITS

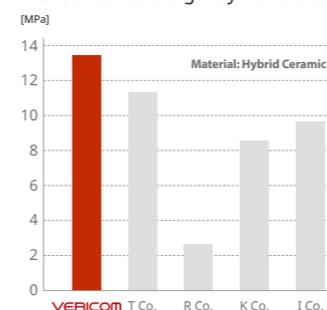
- Uniform luting cementation
- Continuous fluoride ion release effect
- Easy removal & easy handling
- Available in all cases of cementation
- Powerful bonding strength
- Satisfaction of the ISO 13485 requirements

## INDICATIONS

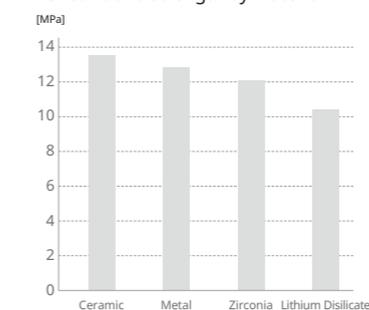
- Cementation of ceramic, metal or composite inlays, onlays, crowns, bridges, posts.

## TECHNICAL DATA

- Shear bond strength by manufacturer



- Shear 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 on teeth 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

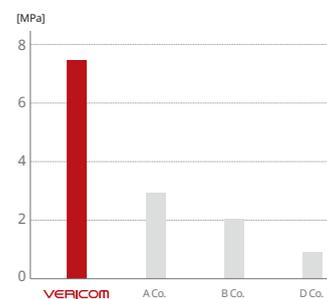
- Premixed putty without mixing process
- Paste-only filling
- Proper setting time for applications
- Superior compressive strength
- Antibacterial effects by alkaline pH
- Biocompatible elements
- Radiopaque

## INDICATIONS

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

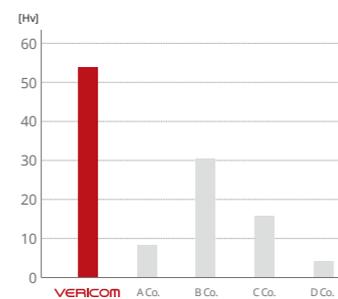
## TECHNICAL DATA

### ● Push-out Bond Strength (MPa)



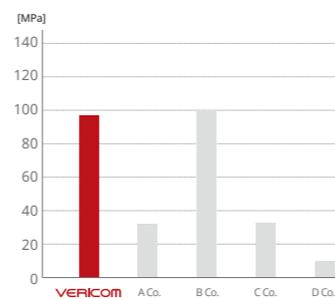
Superior dislodgement resistance due to excellent bonding to dentin

### ● Vickers Hardness (Hv)

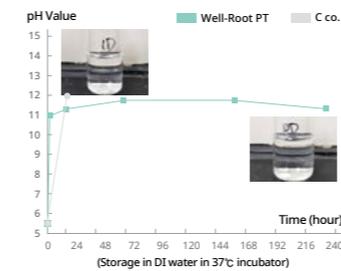


High stability due to good hydration reaction

### ● Compressive Strength (MPa)

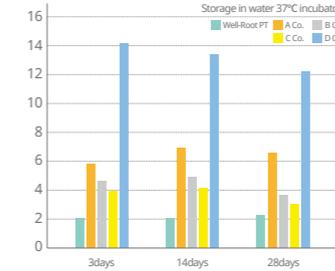


### ● pH Change of Well-Root PT



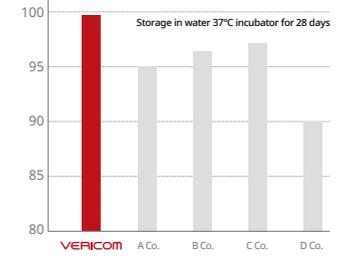
Antibacterial by alkaline pH

### ● Color Stability



Excellent color stability

### ● Weight Change



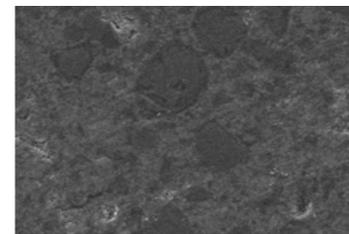
Low solubility

### ● Properties of Well-Root PT

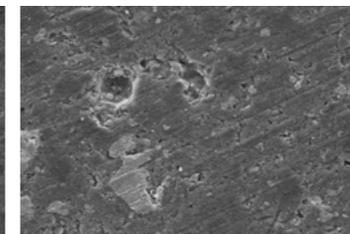
Properties measured according to ISO 6876:2012

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

### ● Surface Analysis



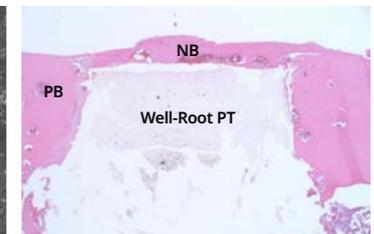
Well-Root PT (X1,000)



A Co. (X1,000)

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

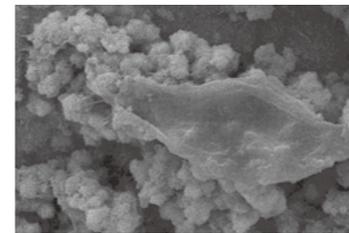
### ● Biocompatibility



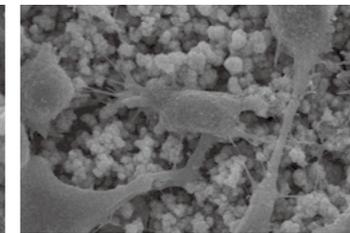
※ PB : Pre-existing bone / NB : New bone

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

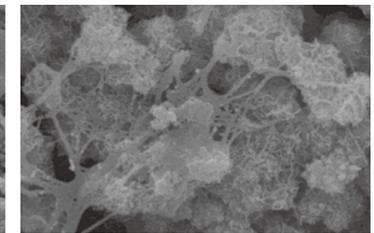
### ● Cell Adhesion Analysis (Surface chemistry)



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 root canal obturation.
- 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

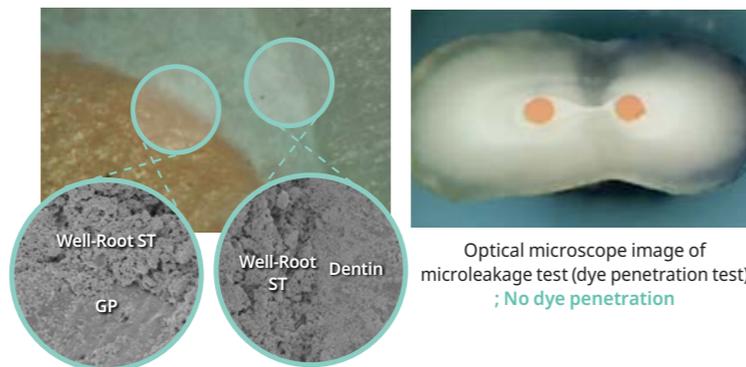
- Sealer for permanent root canal sealing

## 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



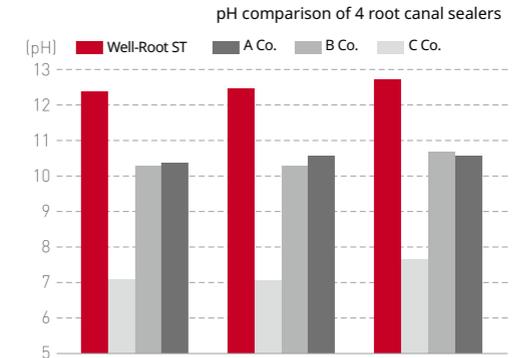
Optical microscope image of microleakage test (dye penetration test)  
; No dye penetration

## • Radiopacity



Well-Root ST uses zirconium oxide for radiopaque agent.

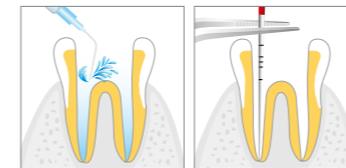
## • High pH



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

## CLINICAL GUIDELINE

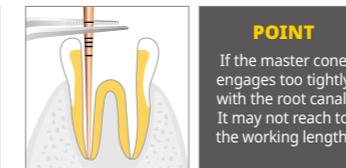
### STEP 01



#### Preparing the root canal

Irrigate the root canal and dry with Paper Point.

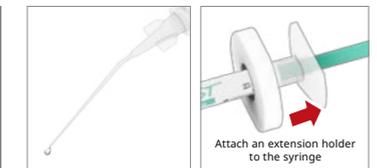
### STEP 02



#### Selection of Master cone

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

### 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 mid-third of the root canal and push the plunger slowly to fill Well-Root ST up to orifice level.

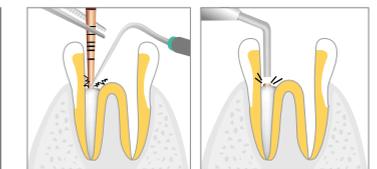
### STEP 05



#### Inserting the master cone

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

### 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 very stable without any solidification or separation and a highly-flowable paste premixed in a convenient syringe. 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
- Root canal filling for primary teeth

### 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 pulp capping and infected root canal. It contains calcium hydroxide and barium sulfate mainly, having radiopacity and antibacterial characteristics (pH ≥ 12).
- Well-Paste is very stable without any solidification or separation and a flowable premixed paste in a convenient syringe. Also, it has excellent accessibility to the apex and biocompatibility to the periapical tissue.

### INDICATIONS

- Treatment for an infected root canal
- 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 with a special lubricant.
- The pulp debris in the canal can be lifted out efficiently by the bubbling effect of urea-peroxide in Well-prep.

### INDICATIONS

- Facile shaping and cleansing of the root canal
- Easy and fast removal of debris
- Encouraging decalcification of dentin and antibacterial effect
- Simple handling of instruments in the canals due 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

# Vonflex S Putty

Proven And Reliable Precison Impression Material

[Type 0]  
Putty consistency



## FEATURES AND BENEFITS

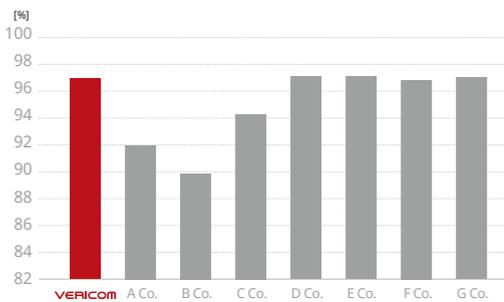
- Vonflex S Putty is an addition polymerization silicone type composed of hydrophilic vinyl polysiloxane, which helps to create precise shape of oral tissue. Material meets the requirements of ISO 4823.
- Vonflex S Putty is convenient to mix and has super dimensional stability, helps to make precise impression taking.

## INDICATIONS

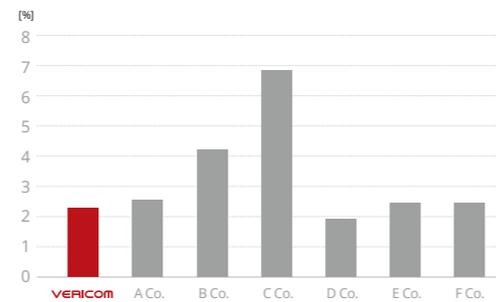
- Individual Tray
- Taking impression for crown and bridge

## TECHNICAL DATA

- Elastic recovery



- Compressive strain



## PACKAGE

ALL PRODUCTS		PRODUCT CODE	KFDA Reg. CODE
Vonflex S Putty	Normal	280ml Catalyst x 1ea, 280ml Base x 1ea,	VF356-SPNS Vonflex S Putty Soft Q 13
	Fast	Measuring scoop (2ea)	VF356-SPFS Vonflex S Putty Soft Q 13

# Vonflex S Light

Excellent Hydrophilic Impression Material

[Type 3]  
Light-bodied consistency



## FEATURES AND BENEFITS

- Vonflex S Light is an addition polymerization silicone type composed of hydrophilic vinyl polysiloxane, which helps to create precise shape of oral tissue. Material meets the requirements of ISO 4823.
- Vonflex S Light is convenient to use and has an outstanding stability, helps to make precise impression taking.

## 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



## INDICATIONS

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

## PACKAGE

ALL PRODUCTS		PRODUCT CODE	KFDA Reg. CODE
Vonflex S Light	Normal	50ml x 2cartridges, w/mixing tips	VF310-SLN0 Vonflex S Light Q102
		50ml x 12cartridges	VF360-SLN0 Vonflex S Light Q112
		50ml x 48cartridges	VF324-SLN0 Vonflex S Light Q148
	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 additional polymerization silicone type composed of hydrophilic vinyl polysiloxane, which helps to create precise shape of oral tissue. Material meets the requirements of ISO 4823.
- Void-free and uniform mixing when used with the automatic mixer
- High tear resistance
- Superior 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

# Vonflex S Supermix MONOPHASE

Excellent Fixation Characteristic Material

[Type 2]  
Medium-bodied consistency



## FEATURES AND BENEFITS

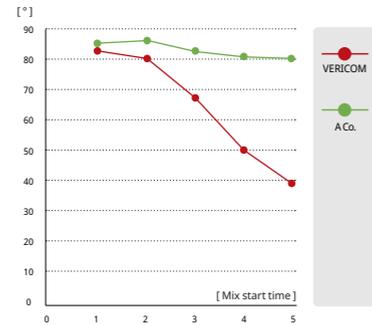
- Vonflex S Supermix MONOPHASE is an addition polymerization silicone type composed of hydrophilic vinyl polysiloxane, which helps to create precise shape of oral tissue. Material meets the requirements of ISO 4823.
- Void-free and uniform mixing when used with the automatic mixer
- High tear resistance
- Superior 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

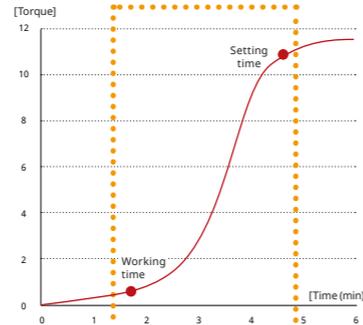
## TECHNICAL DATA

### ● Contact angle



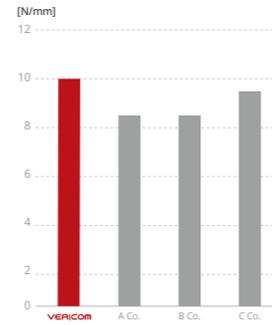
Good flowability and Accurate impression on the oral surface where saliva is present.

### ● Snap set



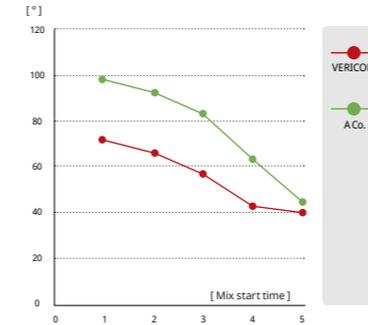
Snap set technology(optimal working time and short setting time) helps to make better impression results.

### ● Tear strength



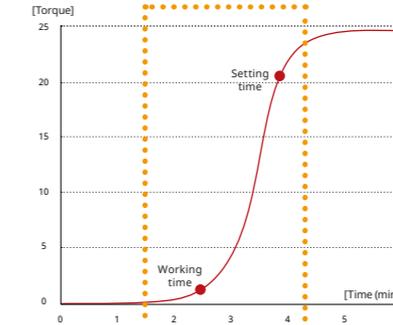
## TECHNICAL DATA

### ● Contact angle



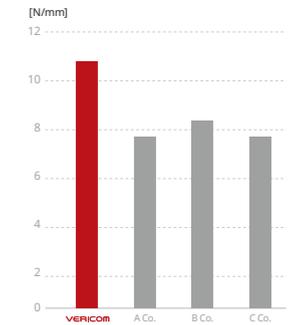
Good flowability and Accurate impression on the oral surface where saliva is present.

### ● 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
		380ml x 2 cartridges
		380ml x 4 cartridges
		VF3SK-SSNE
		VF338-SSNE
		VF34B-SSNE

## PACKAGE

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

# Vonflex S Heavy

Excellent Fixation Characteristic Material

[Type 1]  
Heavy-bodied consistency



### FEATURES AND BENEFITS

- Vonflex S Heavy is an additional polymerization silicone type composed of hydrophilic vinyl polysiloxane, which helps to create precise shape of oral tissue. Material meets the requirements of ISO 4823.
- 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

### TECHNICAL DATA

- Easy handling property



### INDICATIONS

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

### 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	150ml Base x 1ea, 150ml Catalyst x 1ea	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	150ml Base x 1ea, 150ml Catalyst x 1ea	VF330-SHFT	Vonflex S Heavy Q 16T

# Vonflex S Medium

Proven One Step Material Based on A-silicone

[Type 2]  
Medium-bodied consistency



### FEATURES AND BENEFITS

- Vonflex S Medium is an addition polymerization silicone type composed of hydrophilic vinyl polysiloxane, which helps to create precise shape of oral tissue. Material meets the requirements of ISO 4823.
- Vonflex S Medium is convenient to use and has ideal consistency for monophasic 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 is an additional polymerization silicone type composed of vinyl polysiloxane impression material 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

# 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

# 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

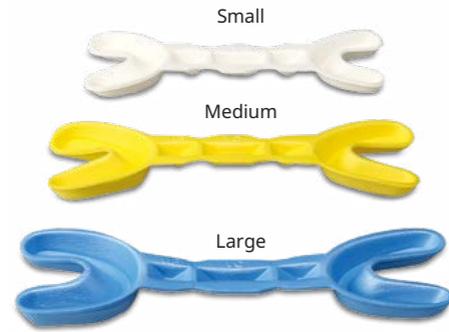
- Primary & Secondary container: Polypropylene virgin injection medical grade-protect needle and hub
- Hub: Polypropylene virgin injection medical grade
- Needle (cannula): STS 304 -inside and outside surface of cannula
- Color Coding of Hub: The nominal outside diameter of the needle tubing identified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

### 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
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



### FEATURES AND BENEFITS

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

### Plastic



### PACKAGE

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

100ea/bag

# Accessories



### PACKAGE

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



About  
Laboratory Materials

## Table of Contents



### FOR CAD/CAM

Nano Hybrid Ceramic.....	42
Lithium Disilicate Glass Ceramic Ingot.....	44
Provisional Hybrid Composite Blanks .....	46
Millable Wax.....	48
Light-cured Characterization Solution .....	49
Pretreatment Primer.....	49

### LABORATORY

Denture Resin.....	50
Tray Resin.....	52
Curing Device .....	52

### 3D PRINTING SYSTEM

3D Materials .....	53
3D Systems .....	56
LCD 3D Printer / Fast Curing .....	57

# MAZIC Duro

Nano Hybrid Ceramic for CAD/CAM



## FEATURES AND BENEFITS

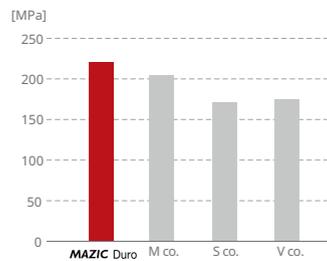
- Natural tooth-like esthetics and elasticity
- High flexural and compressive strength
- Excellent stain resistance
- Easy add-on with composite resin
- Excellent cementation
- Easy handling for adjustment of occlusal surface
- No firing and glazing : saving time, equipment and spaces
- Prosthesis treatment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

## INDICATIONS

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

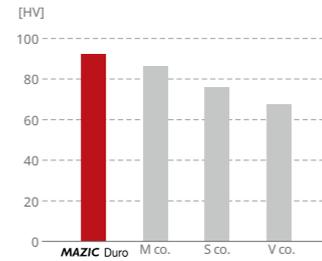
## TECHNICAL DATA

### • Flexural strength



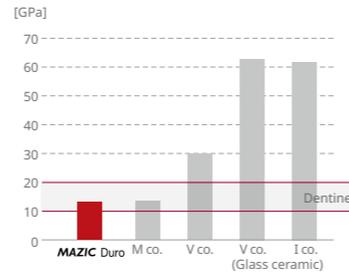
High flexural strength makes possible to use the material for a long time in oral.

### • 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



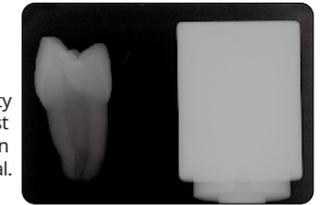
### Company M



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)	

- Disk Type

SIZE	8T	10T	12T	14T
ø 98H / ø 100H	ø 98/ø 100	ø 98/ø 100	ø 98	ø 98
SHADE	HT	A1, A2, A3		
	LT	A1, A2, A3, A3.5		

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	

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
	ø98 10T	A1	MDKLT-98A1	98H10LA1
		A2	MDKLT-98A2	98H10LA2
		A3	MDKLT-98A3	98H10LA3
	ø98 12T	A1	MDKLT-92A1	98H12LA1
		A2	MDKLT-92A2	98H12LA2
		A3	MDKLT-92A3	98H12LA3
	ø98 14T	A1	MDKLT-94A1	98H14LA1
		A2	MDKLT-94A2	98H14LA2
		A3	MDKLT-94A3	98H14LA3
ø100 8T	A1	MDKLT-18A1	100H08LA1	
	A2	MDKLT-18A2	100H08LA2	
	A3	MDKLT-18A3	100H08LA3	
ø100 10T	A1	MDKLT-01A1	100H10LA1	
	A2	MDKLT-01A2	100H10LA2	
	A3	MDKLT-01A3	100H10LA3	

# MAZIC Claro Press

Pressable Lithium Disilicate Glass Ceramic Ingot



## FEATURES AND BENEFITS

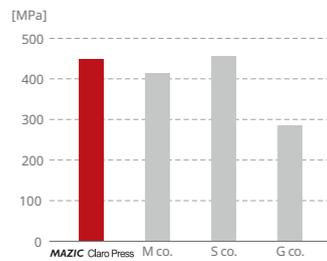
- Available in various shades and translucency
- High strength and excellent fracture toughness
- Excellent durability and biocompatibility
- Light refraction and optical properties are similar to enamel
- Leaving less reactive layer after pressing allows precise fit
- Outstanding press compatible with 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, bridges, full crowns and implant crowns.

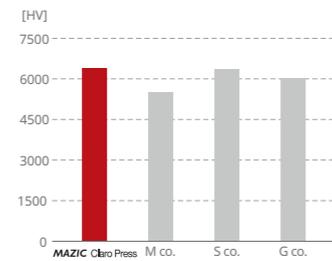
## TECHNICAL DATA

### Flexural strength



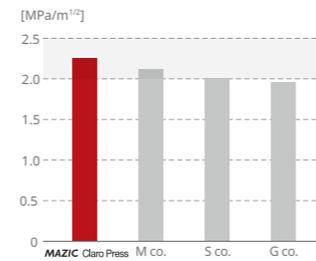
High flexural strength makes possible to use the material for a long time in oral.

### Vickers Hardness



High vickers hardness makes resistant to micro-wear.

### 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
	B3	MCP10-LTB3	MAZIC Claro Press LT B3 S
	B4	MCP10-LTB4	MAZIC Claro Press LT B4 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
	C4	MCP10-LTC4	MAZIC Claro Press LT C4 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	
BL4	MCP10-LBL4	MAZIC Claro Press LT BL4 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
	4	MCP10-LMO4	MAZIC Claro Press MO 4 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 Pro

Provisional Hybrid Composite Blank for CAD/CAM



## FEATURES AND BENEFITS

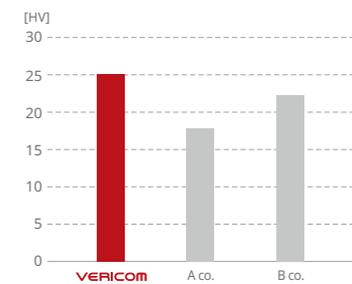
MAZIC Pro is a hybrid temporary restoration material containing 10nm ceramic filler and pearl type polymer. Compared to previous PMMA materials, it has distinct visual aesthetic and workability. Since its components based on the MAZIC Duro, it features high flexural strength and stability, which are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

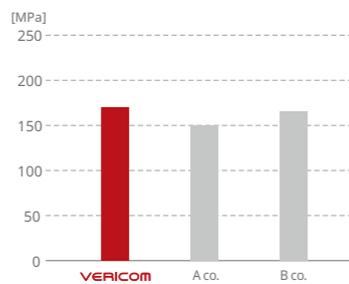
## TECHNICAL DATA

### ● Surface hardness



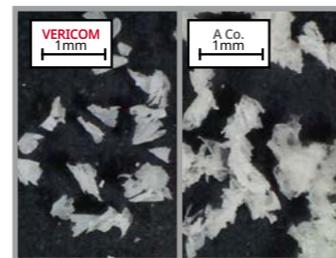
High surface hardness makes resistant to micro-wear

### ● Flexural strength



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

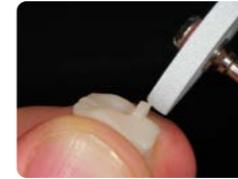
### ● Comparison of residues processed by Ball End Mill



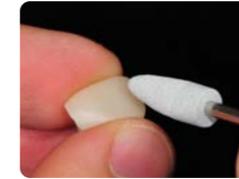
More precise processed-residue by ceramic filler containing

## 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



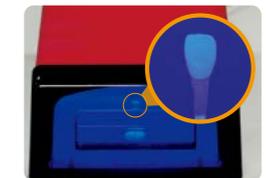
1. Trimming the sprue and surface with cerapol wheel.



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	ø98
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	



# Hipac cozy

Heat-curing Denture Base Resin



## FEATURES AND BENEFITS

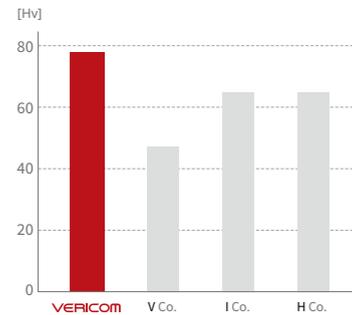
- Hipac cozy is a heat-curing denture base resin. It can be used as a dental acrylic resin for the fabrication of full and partial dentures.
- Hipac cozy has high strength and color stability and it is minimized porosity. It is easy to handle because it has sufficient working time.

## INDICATIONS

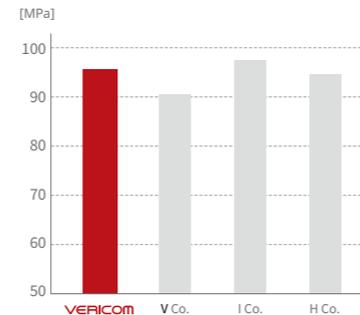
- Fabrication of full and partial dentures

## TECHNICAL DATA

### • Micro vickers hardness



### • Flexural strength



## PACKAGE

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

# Hipac cozy SC

Self-curing Denture Base Resin



## FEATURES AND BENEFITS

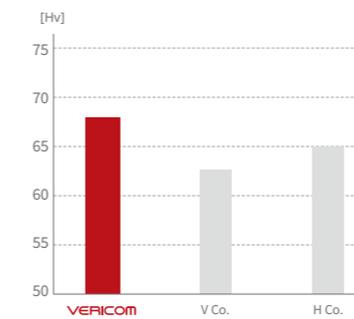
- Hipac cozy SC is self-curing denture base resin. It can be used as a dental acrylic resin for the fabrication of partial and combination dentures. It can also be used as relining and repair of denture.
- Hipac cozy SC has high strength and and it is compatible with Hipac cozy. It is easy to handle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

## INDICATIONS

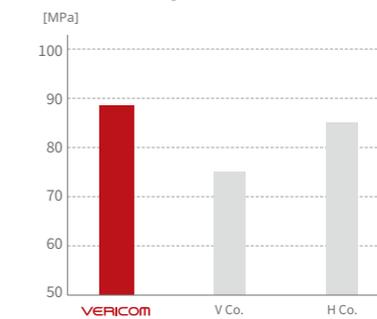
- Fabrication of partial and combination dentures
- Relining and repair of denture

## 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

# 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

# Cure Box Dual

LED Curing Device



### FEATURES AND BENEFITS

- Cure Box Dual is a multi-purpose curing device that can cure most light-curing resins used in the dental field. Compare to the conventional UV lamps Cure Box Dual uses LED lamps. The lamp life is semi-permanent, and allows better curing with about 4 times stronger power than conventional UV lamp. which allows better curing.

### 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



PROFILE DOWNLOAD



### 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
Flexural strength (ISO 10477)	≥ 50 MPa
Flexural modulus (ISO 10477)	≥ 1,500MPa
Shore hardness (ASTM D2240)	D80-90
Water sorption (ISO 10477)	<40 μg/mm <sup>3</sup>
Water solubility (ISO 10477)	<7.5 μg/mm <sup>3</sup>
Volume	250g / 500g / 1kg

Shade (Kg)	Product Code	Shade (g)	Product Code
BL	TP410-KOBL	BL	TP405-KOBL
A1	TP410-KOA1	A1	TP405-KOA1
A2	TP410-KOA2	A2	TP405-KOA2
A3	TP410-KOA3	A3	TP405-KOA3
TR	TP410-KOTR	TR	TP405-KOTR

\* 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)	≥ 80MPa
Flexural modulus (ISO 20795-1)	≥ 1,500MPa
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	1kg / bottle: SG410-K000
	500g / bottle: SG405-K000
	250g / bottle: SG425-S000

# MAZIC D MODEL 2.0

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	Grey, Light Grey
	Final	Grey, Light Grey
Brookfield viscosity(25°C) (ISO 2555)		≤ 800 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)		200-300cP
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 <sup>2</sup>
Max. stress intensity factor (ISO20795-1)		≥ 1.9MPa <sup>1/2</sup>
Water sorption (ISO 20795-1)		≤ 32 μg/mm <sup>3</sup>
Water Solubility (ISO 20795-1)		≤ 1.6 μg/mm <sup>3</sup>
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	Clear-transparent
Resin	Clear-transparent
Final	Clear-transparent
Brookfield viscosity(25°C) (ISO 2555)	800 ~ 1,200cP
Flexural strength (ISO 20795-2)	≥ 50 MPa
Flexural modulus (ISO 20795-2)	≥ 1,500 MPa
Max. stress intensity factor (ISO 20795-2)	≥ 1.1 MPam <sup>3/2</sup>
Total fracture work (ISO 20795-2)	≥ 250 J/m <sup>2</sup>
Residual monomer (ISO 20795-2)	≤ 5.0%(w/w)
Water sorption (ISO 20795-2)	≤ 32 μg/mm <sup>3</sup>
Water solubility (ISO 20795-2)	≤ 5.0 μg/mm <sup>3</sup>
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

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

# MAZIC L-100

MONO 4K LCD Printer



## FEATURES AND BENEFITS

Up to x3 faster and 4K LCD for precise and detailed reproducibility. Setting values are provided for all kinds of Vericom 3D resin materials.

## BENEFITS

- Fascinating & Modern Design
- x3 Faster
- Convenient Replacement
- Accuracy

## SPECIFICATIONS

Properties	Value
Operation	4.3in Touch Panel
Connectivity	USB
Light Source	405nm UV LED
LCD Specification	6.6" 4K Mono LCD
Resolution XY	4,098 x 2,560pixel (35μm)
Layer Thickness	0.05~0.20mm
Printing Speed	50mm/ hour
Print Volume	L80 x W80 x H100 mm
Power Requirement	AC 220~240V, 50/60Hz
Product Size	L220 x W240 x H390 mm
Product Weight	8.4kg

# MAZIC C-100

Fast Curing



## FEATURES AND BENEFITS

Possible to adjust power & time by optimized curing schedule per each resin.

## BENEFITS

- Compact Design
- 4 Curing Setting Option
- Fast Curing Time

## SPECIFICATIONS

Properties	Value
Operation	4.3in Touch Panel
Light Source	405nm LED
LED Power Output	100W
Inner Capacity	L100 x W110 x H100 mm
Power Requirement	AC220~240V~50/60Hz
Product Size	L220 x W240 x H390 mm
Product Weight	6.5 kg

MEMO

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