

iGOS

Has both Fluoride Sustained Release and High Strength.

Resin-based Dental Restorative Material



Single Package iGOS Universal 4g (2 ml)



Single Package iGOS Flow 2.6g (1.5 ml)
Accessory: Needle Tip 10 pcs.



Single Package iGOS Low Flow 2.6g (1.5 ml)
Accessory: Needle Tip 10 pcs.

Shade Lineup

Product Name	Type	A1	A2	A3	A3.5	A4	A5	B1	B2	B3	C2	C3	D2	Others	Number of Shade	Content g (ml)
iGOS Universal	Dentine	●	●	●	●	●	●	●	●	●	●	●	●	• Bleaching White • Enamel	16	4g (2 ml)
	Opaque		●	●												
iGOS Flow	Dentine	●	●	●	●	●	●							• Bleaching White • Enamel	13	2.6g (1.5 ml)
	Opaque		●	●	●	●	●									
iGOS Low Flow	Dentine	●	●	●	●	●	●							• Bleaching White • Enamel	13	2.6g (1.5 ml)
	Opaque		●	●	●	●	●									

- Set Package**
- Starter Pack (Universal) A2, A3, OA2, OA3, E, iGOS-BOND
 - Starter Pack (Flow) A2, A3, OA2, OA3, E, iGOS-BOND
 - Starter Pack (Low Flow) A2, A3, OA2, OA3, E, iGOS-BOND
 - iGOS Universal Dentine 3pcs Pack (3pcs. of the Same Shade) A2, A3, A3.5
 - iGOS Flow Dentine 3pcs Pack (3pcs. of the Same Shade) A2, A3, A3.5
 - iGOS Low Flow Dentine 3pcs Pack (3pcs. of the Same Shade)..... A2, A3, A3.5
 - Repair Pack iGOS-BOND, Multi Primer Liquid
- Accessory** Needle Tip: 20 pcs.

iGOS-BOND

Dental Adhesive
Dental Adhesive for Enamel and Dentine

Dental adhesive which achieves high adhesion inside the mouth under wet condition.



Set Package iGOS-BOND (5ml): 1 bottle
Disposable Applicator Brush: 50 pcs.
Disposable Plate: 25 pcs.



Single Package iGOS-BOND (5ml)

iGOS-Bond and Multi Primer Liquid are flammable.

Set Package iGOS-BOND (5ml): 2 bottles

Accessory Disposable Applicator Brush: 50 pcs.
Disposable Plate: 50 pcs.

Related Products

Multi Primer

Bonding Material for Dental Metal
Bonding Material for Dental Ceramics
Bonding Material for Dental Resin

Bonding Composite Resin Material to metal, ceramic and cured resin for direct repairing.



Multi Primer LIQUID (7 ml)
For Metal and Ceramics

Applicable for								
Precious Metals		Non-precious Metals			Ceramics		Composite Resin	
Au Alloy	Au-Ag-Pd Alloy	Ti Ti Alloy	Ni-Cr Alloy	Co-Cr Alloy	Zirconia (ZrO ₂)	Porcelain	Resin (Contains inorganic fillers)	Resin (Without inorganic fillers)
○	○	○	○	○	○	○	○	×

The original performance could not be exhibited depending on the cases.

The actual color of the product, model and package may differ from the photographs due to printing ink and shooting conditions.

YAMAKIN's Composite For Chairside Use !!



iGOS

Resin-based Dental Restorative Material

- Our Proven Filler Technology is Used
- Has both Fluoride Sustained Release and High Strength

iGOS-BOND

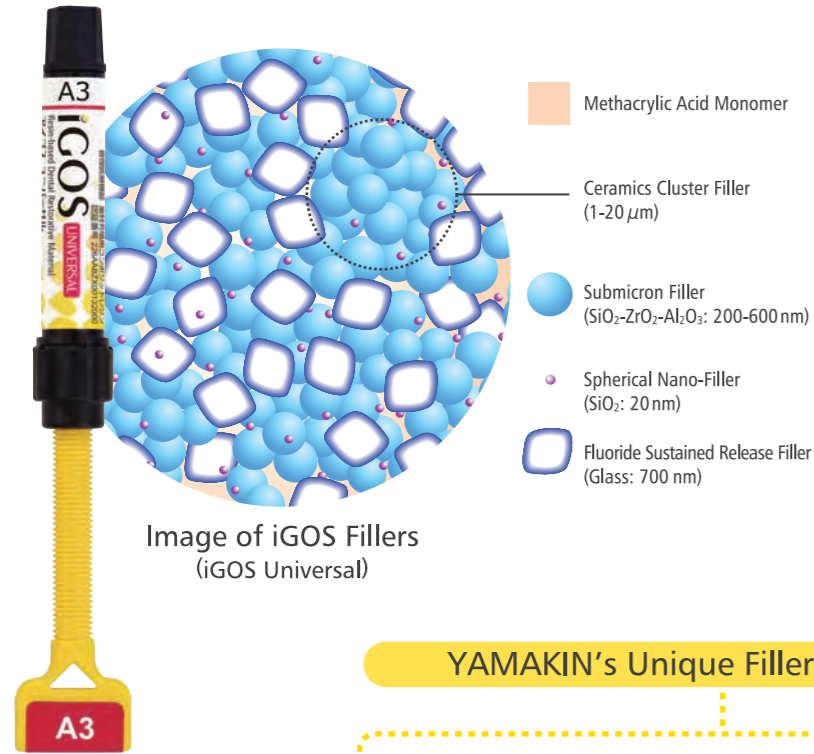
Dental Adhesive

- In-house developed Adhesive Monomer is Used
- Offers High Adhesion Properties



Actual colors may be different from ones in the photo.

iGOS Has both Fluoride Sustained Release and High Strength

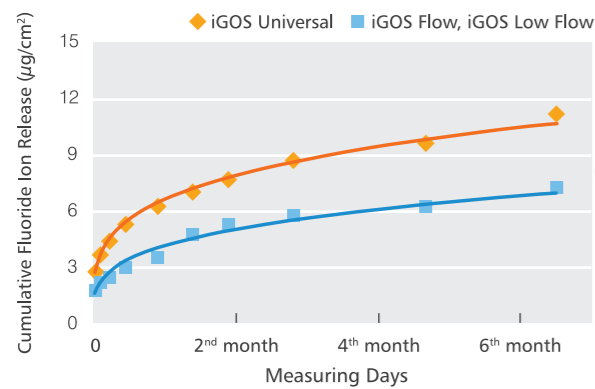


In "iGOS Universal" the special filler is uniquely compounded with homogenized technology added to "Ceramics Cluster Fillers" patented technology achieved in the development of "TWiNY" hybrid indirect composite resin. Fluoride sustained release filler is also added. This product achieves both fluoride sustained release and high strength.

For "iGOS Flow" and "iGOS Low Flow" instead of compounding Ceramic Cluster Fillers, finer glass fillers (approx. 200nm) are used to adjust the fluidity.

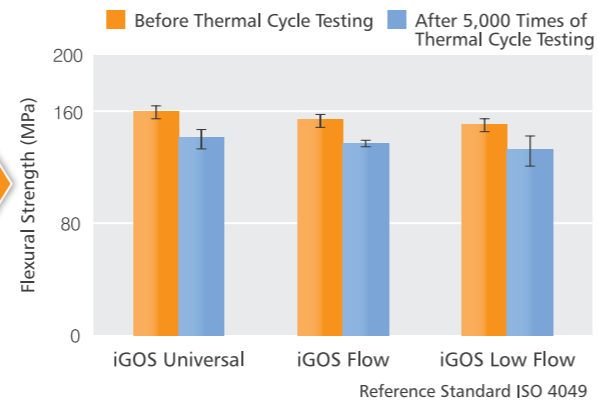
YAMAKIN's Unique Filler Technology

Fluoride Sustained Release



Both Functions Combined

High Strength



They maintain high flexural strength, even after thermal-cycle testing, and display exceptional durability.

Easy Handling



iGOS Universal

iGOS Universal is easily releasable from excavators, and its viscosity allows it to stretch smoothly.



iGOS Flow iGOS Low Flow

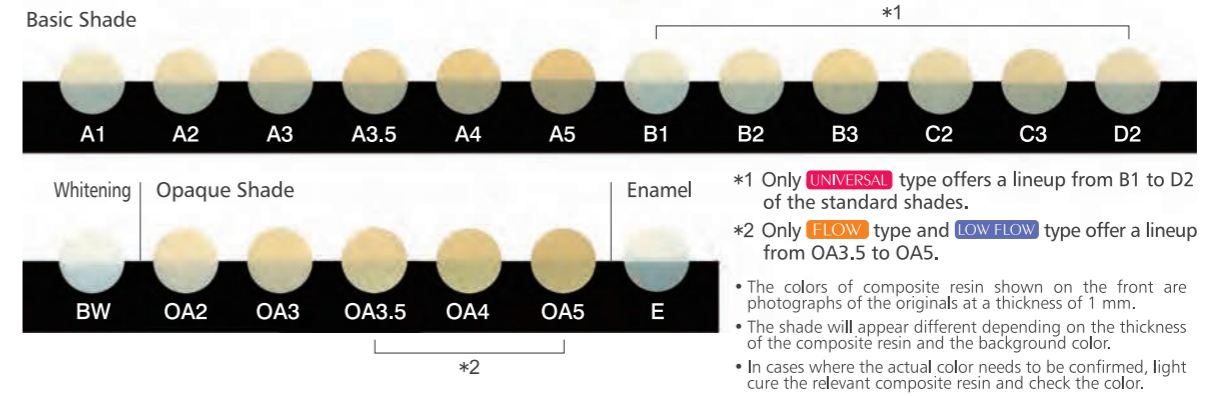
This is the photograph of iGOS flowable type holding the mixing paper vertically for 60 seconds after discharged.

Outstanding Polishability



The micro fillers used in iGOS provide outstanding polishability, shortening the time needed for polishing.

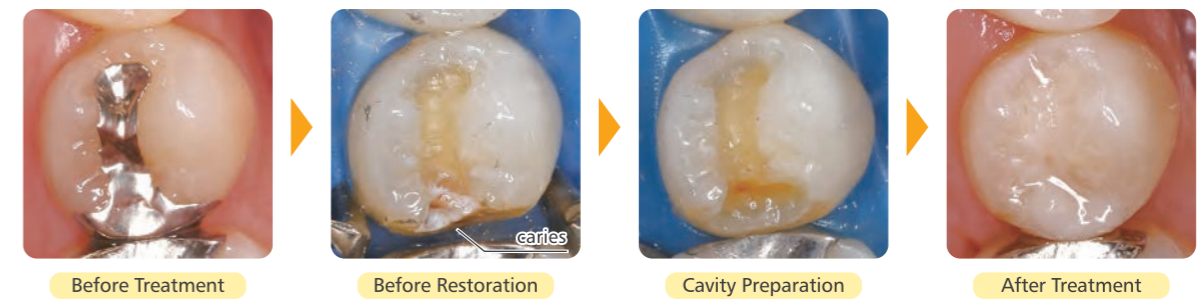
Shade



iGOS has been designed to have a high degree of translucency, enabling the material to capture surrounding color by chameleon effect; therefore, it is easy to harmonize with natural teeth color.

Clinical Case

Contributed by Masahiro Uka (D.D.S.), Uka Cardiovascular and Dental Clinic



iGOS coheres to tooth substance and it prevents air bubbles from being mixed in during filling work. Easy restoration is possible thanks to its excellent operability.

Used products: iGOS-BOND, iGOS FLOW and iGOS Universal



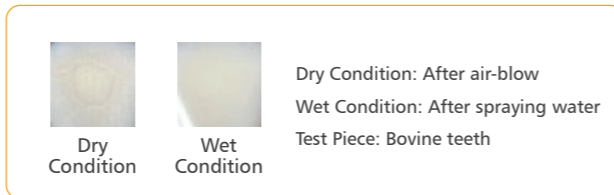
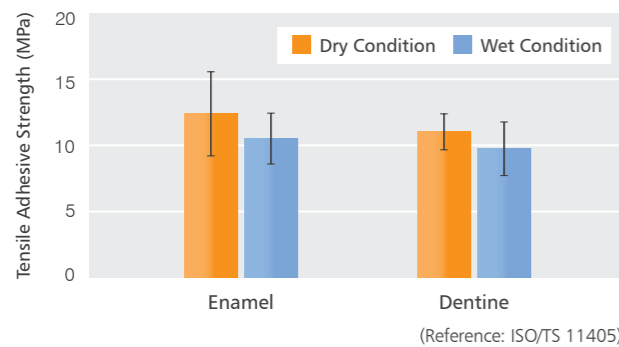
iGOS-BOND



Has both High Adhesion and Adhesive Properties Minimally Affected by Intraoral Conditions

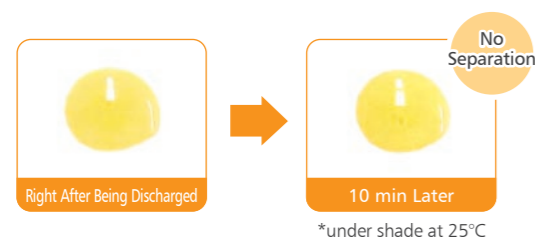
iGOS-BOND has adhesive monomer in-house developed by our own technology, and it has succeeded in achieving high adhesion on both enamel and dentine. Furthermore, the finely controlled compounding ration of the components and the effects of the in-house developed monomer make it possible to apply evenly without separating the liquid even under wet conditions. Of course, even after air-blowing, no separation of active ingredient will occur.

High Adhesion under Wet Conditions

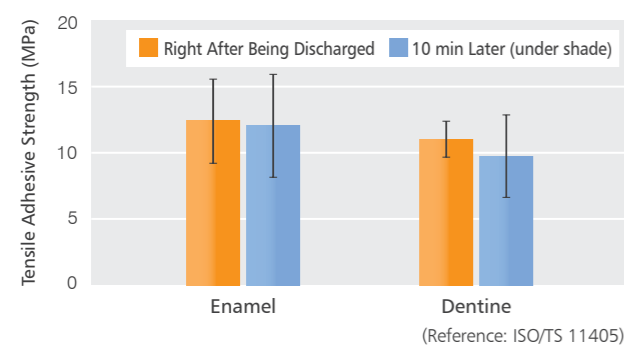


The in-house developed adhesive monomer has the characteristic of dissolving in both water and oil and achieves high adhesion on both enamel and dentine of teeth even under wet conditions.

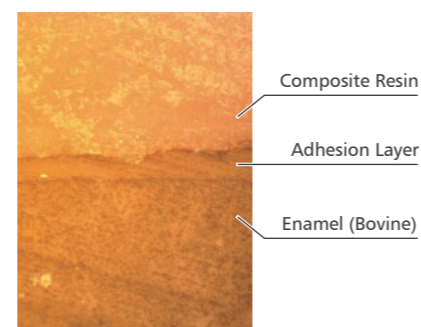
Excellent Application Property



The finely controlled compounding ratio of the hydrophilic component and hydrophobic component, along with the effects of the in-house developed adhesive monomer, make it possible to apply the component evenly without separating the liquid. It can be used for 10 minutes* after being discharged.
*under shade at 25°C



Microscope Observation of Adhesion Interface



Dense adhesion layer is created.

TEM Observation of Adhesion Interface



Provided by: Noriyuki Nagaoka, Dr. Sc. (Okayama Univ.)
Kumiko Yoshihara, DDS, PhD. (Okayama Univ.)

Adhesive material is performed decalcification in low irritative condition in order to bond composite resin to dentine/enamel.

Simple Steps

● Filling restoration with composite resin cured by light



1 Application

Apply iGOS-BOND on whole inside of dried cavity and leave for 20 sec.



2 Air-blowing

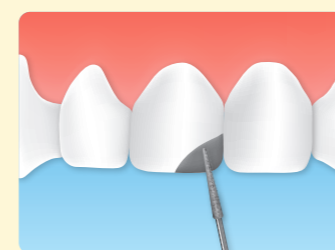
Perform air-blowing sufficiently with a vacuuming device until the liquid surface doesn't move for 5 sec. or more with strong pressure.



3 Light Curing

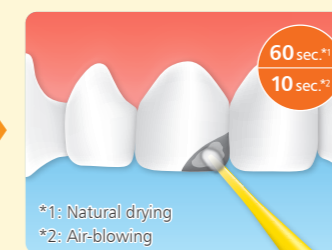
Light cure with a dental light curing unit with light intensity of 300 mW/cm² or over for 10 sec. or more.

● Repairing fracture or wear of crown restorations made of alloys, zirconia ceramics, dental porcelain, or resin material containing inorganic fillers.



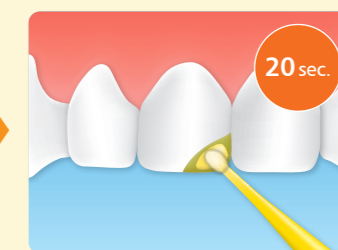
1 Roughening, Washing and Drying of Adherend Surface

Roughen surface with a diamond point, then wash with water and dry.



2 Applying Multi Primer Liquid and Drying

After washing and drying, apply Multi Primer Liquid immediately and air-blow.



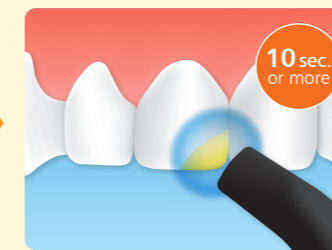
3 Applying iGOS-BOND

Apply iGOS-BOND thoroughly to the entire adherend surface and leave it for 20 sec.



4 Air-blowing

Perform air-blowing sufficiently with a vacuuming device until the liquid surface doesn't move approximately 5 sec. or more with strong pressure.



5 Light Curing

Light cure with a dental light curing unit with light intensity of 300 mW/cm² or over for 10 sec. or more.