

Official Partner



Minimally Invasive  
Cosmetic Dentistry

# BeautiBond®

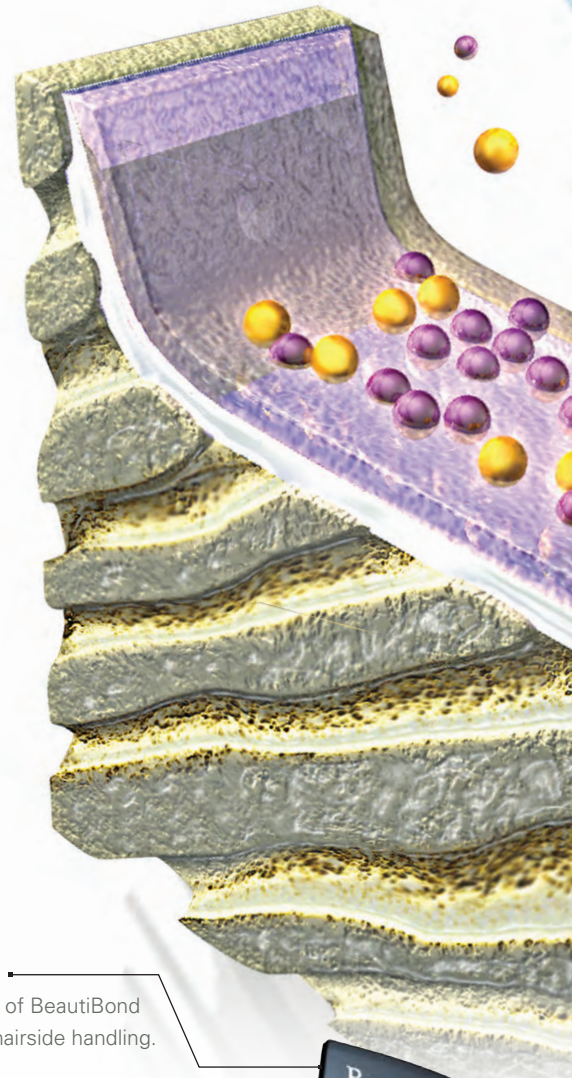
THE SCIENCE BEHIND THE BOND



## BeutiBond<sup>®</sup> One Adhesive:

**H**istorically, a major weakness of single component dental adhesives has been inconsistent bonding, especially to enamel. Providing convenience and efficacy in a single application, BeutiBond has a distinct advantage over other seventh-generation adhesives. With bond strengths similar to leading sixth-generation alternatives, BeutiBond is the one-step self-etch adhesive for a wide range of clinical indications. Its dual adhesive monomers enable predictable long-term bonding to both enamel AND dentin.

- *Unique dual adhesive monomers deliver equal bond strength to enamel and dentin*
- *Single coat for shorter working time*
- *Only 5µm film thickness*
- *Limits the risk of postoperative sensitivity*



### Convenient Unit Dose

The stable bottle design of BeutiBond provides for excellent chairside handling.

## convenience

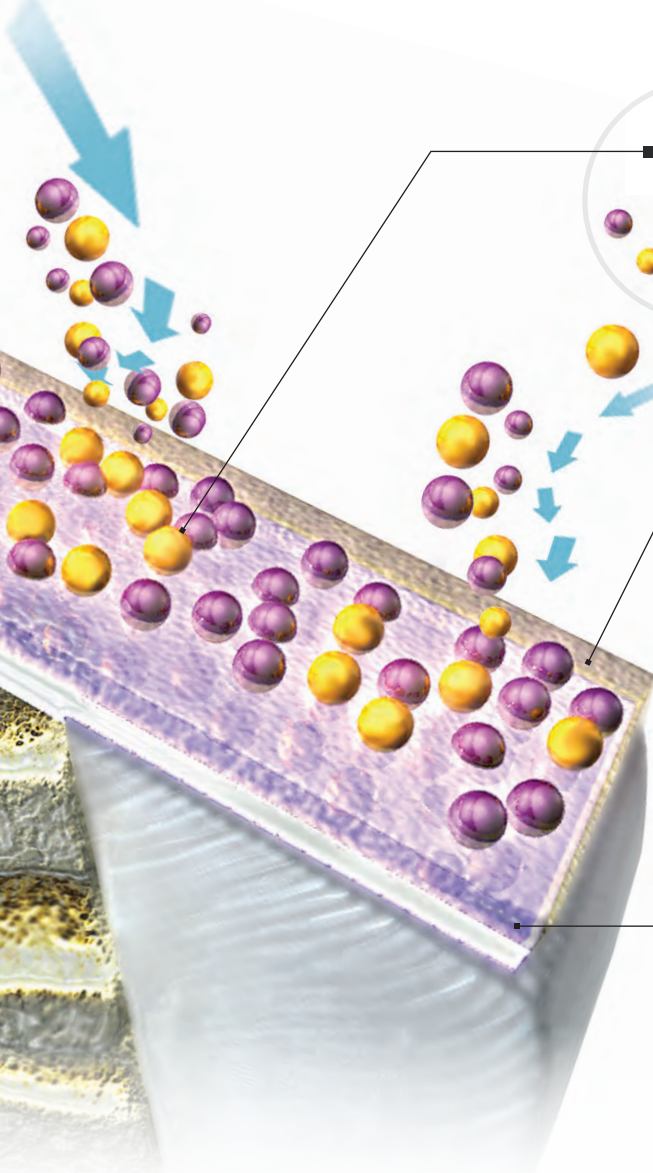
### ONE CONVENIENT MATERIAL

Featuring a stable, unit dose delivery, **BeutiBond** is fast and easy to use. A single application of the dual adhesive monomers requires **just 30 seconds** for a durable, predictable bond. Durable bond strength is achieved due to its HEMA-free composition and incorporation of a new polymerization catalyst.





# Two Powerful Monomers



**Dual Adhesive Monomers<sup>1</sup>**  
BeutiBond's phosphonic acid monomer enhances enamel bonding and its carboxylic acid monomer facilitates bonding to dentin.

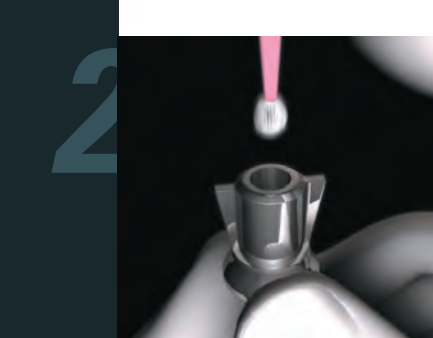
**Bond Strength**  
The enhanced bond strength of BeutiBond rivals that of leading sixth-generation adhesives—but with the convenience of a seventh-generation material.

**Thin (5  $\mu\text{m}$ ) Bonding Layer<sup>1</sup>**  
A low film thickness for better adaptation of aesthetic restorative materials.

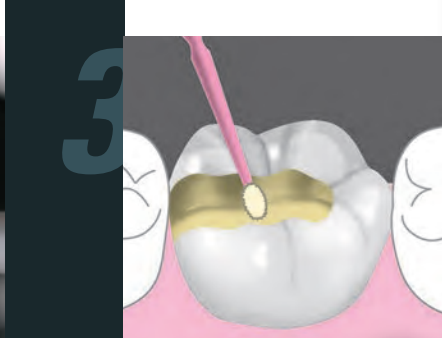
- Phosphonic acid monomer
- Carboxylic acid monomer



**1**  
*One: Snap off cap.*



**2**  
*Two: Insert a brush to dispense.*



**3**  
*Three: Apply BeutiBond and leave for 10 seconds.*

# BeutiBond®

## CASE STUDY

## The Power of One

## DUAL ADHESIVE MONOMERS



# 1

### One:

Preoperative view of carious tooth structure that will be repaired with a direct resin procedure.



# 2

### Two:

Conservative tooth preparation completed and readied for application of single-step BeutiBond adhesive.

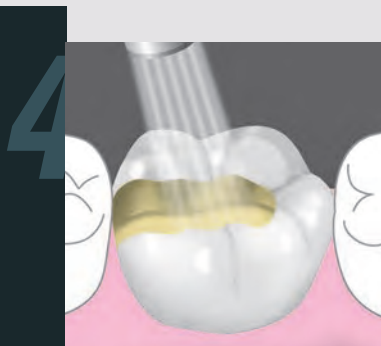


# 3

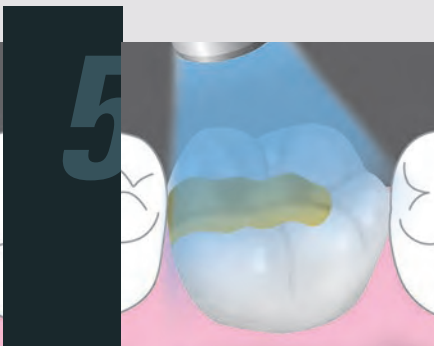
### Three:

Postoperative view following successful restoration using BeutiBond adhesive and composite resin bonding.

CLINICAL PHOTOGRAPHS COURTESY OF DR. KANAMURA



**Four:** Gently air dry for approximately 3 seconds then blow with more force.



**Five:** Light cure with a halogen (10 seconds) or LED (5 seconds) curing light.



D) Dentin Surface

B) BeutiBond®

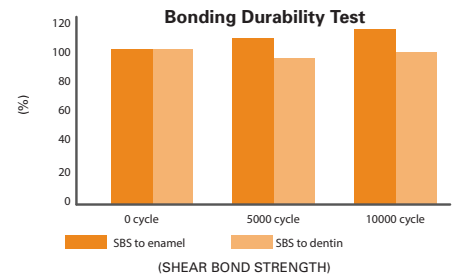
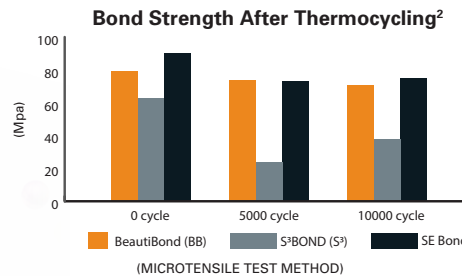
E) Enamel Surface

CR) Composite Resin

The phosphonic acid monomer of BeutiBond is more stable than phosphoric acid and enhances bonding to tooth enamel. Its carboxylic acid monomer facilitates a strong bond to dentin.

- Phosphonic acid monomer
- Carboxylic acid monomer

## The Science Behind the Bond



BeautiBond demonstrated comparable bond strength to multi-component Clearfil SE Bond before and after thermocycling with a simplified bonding procedure.

The strength and durability of BeautiBond has been validated through in vitro studies and multi-site clinical studies as well as SEM and TEM observation.<sup>1-3</sup> BeautiBond continues to deliver outstanding results in worldwide clinical trials and recently an independent study found high bond strengths were not significantly improved even with the addition of phosphoric acid etching steps.<sup>4</sup> The phosphonic and carboxylic acid monomers in BeautiBond promote wetting and monomer penetration into the surface of hard tissue.

- High enamel and dentin bond strength was achieved with BeautiBond despite less aggressive etching patterns<sup>4</sup>
- Comparative 3-year clinical study showed 0% sensitivity and 93.7% retention rate, with half the failure rate of Xeno IV<sup>5</sup>
- No HEMA
- Equally high shear bond strength to both enamel (26.4) and dentin (27.8) – one coat, no agitation, no etch. Just applied and cured – cannot be easier!<sup>4</sup>

Scan here for informational video



### References

1. Uno S, Morigami M, Sugizaki J, Yamada T. SEM and TEM observation of the bonding interface created with an experimental one-bottle one-step resin bonding agent. *Adhes Dent* 2008;26(1):30-35.
2. Kawamoto O, Nagano F, Yasumoto K, Sano H. Micro-tensile bond strength of one two-step self-etching adhesives using Novel thermocycling method. Poster Presentation, 3rd IAD, 2008 Special Issue:126, Abstr P085.
3. Shinno K, Ichizawa K, Nakatsuka T, et al. Bonding ability of resin-bonding systems containing phosphonic acid adhesive monomer. *J Dent Res* 2008, Abstr#0394.
4. Dr. Camila Sabatini independent study SUNY at Buffalo, School of Dental Medicine Department of Restorative Dentistry, Buffalo, NY, USA. Presented at the International Dental Adhesives Meeting.
5. M.A. LATTA et al., *J Dent Res* 92 (Spec Iss A):176524, 2013 ([www.dentalresearch.org](http://www.dentalresearch.org)). Xeno IV is a registered trademark of Dentsply.

www.shofu.com



1-800-827-4638



**NOW IN BOTTLES!**

**Order Information:**

**BeautiBond Unit Dose** (Item No. 1782)  
(50) 0.1mL unit doses, 50 microbrushes

**BeautiBond Bottle** (Item No. 1781)  
6mL, 50 microbrushes



**BEAUTIFIL® Flow Plus F00 (Zero Flow)**

weight: 2.2 grams/0.21g x 20 tips

Shade	Item No. Syringe/Tips
A0.5	2000 / 2200
A1	2001 / 2201
A2	2002 / 2202
A3	2003 / 2203
A3.5	2004 / 2204
A4	2005 / 2205
A0.50	2006 / 2211
A10	2007 / 2212
A20	2008 / 2213
B1	2062 / 2206
B2	2063 / 2207
C2	2064 / 2208
D2	2065 / 2209
Incisal	2010 / 2215
Bleach White	2011 / 2216



**BEAUTIFIL® Flow Plus F03 (Low Flow)**

weight: 2.2 grams/0.21g x 20 tips

Shade	Item No. Syringe/Tips
A0.5	2013 / 2218
A1	2014 / 2219
A2	2015 / 2220
A3	2016 / 2221
A3.5	2017 / 2222
A4	2018 / 2223
A20	2020 / 2229
A30	2021 / 2230
B1	2066 / 2224
B2	2067 / 2225
C2	2068 / 2226
D2	2069 / 2227
Incisal	2023 / 2232
Bleach White	2024 / 2233
Milky White	2026 / 2235
Cervical	2027 / 2236



**BEAUTIFIL-Bulk Flowable Syringe/Tips**

weight: 2.4 grams/0.23g x 20 tips

Shade	Item No. Syringe/Tips
Universal	2030 / 2028
Dentin	2031 / 2029



**BEAUTIFIL-Bulk Restorative Syringe/Tips**

weight: 4.5 grams/0.25g x 20 tips

Shade	Item No. Syringe/Tips
Universal	2034 / 2032
A	2035 / 2033



**Beautifil II 6 Color Set** (Item No. 1775)

(6) 4.5g syringes in A2, A3, A3.5, B2, A30, INC; Dura-White Stone, Super-Snap Singles, OneGloss Trial Set, paper pad

**Beautifil II Tips 6 Color Set** (Item No. 1776)

6 tip colors (0.25g x 120 tips) in A2, A3, A3.5, B2, A30, INC; Dura-White Stone, Super-Snap Singles, OneGloss Trial Set, paper pad

**Beautifil II Cosmetic Set** (Item No. 1777)

(3) 4.5g syringes in A2, A3, INC; 2g Beautifil Opaquer-LO, 2g Beautifil Flow

F02-A2, Dura-White Stone, Super-Snap Singles, OneGloss Trial Set, paper pad

**Beautifil II Tips 3 Color Set** (Item No. 1778)

3 tip colors (0.25g x 30 tips) in A2, A3, B2, OneGloss Trial Set

**Beautifil II Syringe Refill**

weight: 4.5 grams

Shade	Item No.
A1	1401
A2	1402
A3	1403
A3.5	1404
A4	1405
B1	1408
B2	1409
B3	1410
C2	1412
C3	1413
A20	1419
A30	1420
Incisal	1415
Bleach White	1416

**Beautifil II Tips Refill**

weight: 0.25g x 20 tips

Shade	Item No.
A1	1752
A2	1753
A3	1754
A3.5	1755
A4	1756
B1	1759
B2	1760
C2	1763
A20	1770
A30	1771
Incisal	1766
Bleach White	1767

**Beautifil Opaquers** weight: 2 grams

Beautifil Opaquer UO (Item No. 1363)  
Beautifil Opaquer LO (Item No. 1364)

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