BeautiBond

LIGHT-CURING, SELF-ETCHING ONE-COMPONENT ADHESIVE
ONE COMPONENT – ONE LAYER ...

BeautiBond is an innovative “all in one” adhesive of the 7th generation, for the restoration of natural enamel and dentine and offers high initial and long-term stable bonding.

Etch, prime and bond reliably with one component only and with one single application. No need for laborious procedures such as shaking or mixing anymore. You will obtain a reliable and reproducible result.

Moreover, postoperative sensitivities or white discolourations of the gingiva are virtually excluded thanks to the unique chemistry of BeautiBond.

The extremely low film thickness leaves plenty of space for highly aesthetic restorations, even in the case of small or shallow cavities.

- Easy-to-use one layer – one component system
- Consistently high bonding strengths
- Etch, prime and bond in less than 30 seconds
- Minimum bonding layer of about 5 µm
- Reduced risk of postoperative sensitivity
- HEMA free composition – protection against hydrolysis
High bonding strength and long term stability

An excellent bonding to enamel and to dentine is achieved by two specially developed monomers. The absence of hydrolysis-sensitive HEMA prevents ageing caused by hydrolysis. The strength matches that of two-step systems.

External studies on BeautiBond

At the “3rd Congress on Adhesive Dentistry 2008”, the Hokkaido university, Japan, presented a comparative study of the micro tensile bond strength of BeautiBond including ageing simulations with competing products of the 6th and 7th generation. Compared to the two-component products of the 6th generation, there was no decrease in performance. Interestingly, however, a significantly superior bonding of BeautiBond to dentine after thermal cycling was discovered when compared to the competitor’s one-component product with similarly simplified handling.

Source: SHOFU INC., Japan

Source: "Micro-tensile bond strength of one-/two-step self-etching adhesives using Novel thermal cycling method" KAWAMOTO Chiharu, NAGANO Futami, YASUMOTO Kei, SANO Hidehiko; Graduate School of Dental Medicine, Hokkaido University, Sapporo, JAPAN
Conservative tooth preparation before application of one-component adhesive BeautiBond. Application of BeautiBond, drying and light curing. The thin bonding layer leaves sufficient space for an aesthetic restoration of the small cavity.

**Thin bonding layer**

With a very thin and bubble-free bonding layer of around 5 µm, there is plenty of space for composite filling, thereby permitting aesthetic solutions for flat or shallow cavities in the context of minimally invasive therapy.

**Aesthetic basis even with flat and shallow restorations**

Conservative tooth preparation before application of one-component adhesive BeautiBond.

Application of BeautiBond, drying and light curing. The thin bonding layer leaves sufficient space for an aesthetic restoration of the small cavity.

Excellent result with invisible margin in combination with BEAUTIFIL II.

Clinical photographs by courtesy of Dr. Miyazaki.
Simply safe

The absence of laborious and technically sensitive procedures guarantees bonding to be both fast and simple. Start with the build-up of your filling in less than 30 seconds.

1. Apply BeautiBond and leave it for 10 sec
2. Air-dry carefully for 3 sec, then air-blow for 2 sec at high pressure in order to thoroughly evaporate water and volatile components
3. Light-cure (halogen: 10 sec, LED: 5 sec)

Optimized restoration basis

The restoration of shallow lesions close to the gingiva is associated with various difficulties. Here it is advantageous to have a reliable adhesive with high bonding strength to dentine at hand. This is what BeautiBond offers and it also avoids irritations of the surrounding gingival margin. After the curing of the bonding layer, BeautiBond facilitates further procedures by an optimized bonding of the composite layer which will be created.

In wedge-shaped defects, experience shows the handling of the restorative materials to be difficult. Therefore, the cured bonding layer ought to facilitate the build up of the composite.

Thus even shallow lesions can be repaired easily

Completed restoration with BEAUTIFIL II
Order information

**BeautiBond**
- BeautiBond 6 ml (bottle)
- Microtip Fine
  (1 handle, 50 application tips)
- Dish, 25 pcs.

**BeautiBond - Unit Dose**
- BeautiBond 0.1 ml (Unit Dose), 50 pcs.
- MicroBrush Fine, 50 pcs.

PN 1781

**BEAUTIFIL II**
Fluoride releasing composite syringes 4.5 g each and tips 0.25 g each in the shades A1, A2, A3, A3.5, A4, B1, B2, C2, Incisal, Bleaching White, A20, A30

**BEAUTIFIL Flow F02**
Fluoride releasing viscous composite, syringes with 2 g each in the shades A1, A2, A3, A3.5, A4, A30, G (Gum)

**BEAUTIFIL Flow F10**
Fluoride releasing easy-flowing composite, syringes with 2 g each in the shades A1, A2, A3, A3.5, A4, A30, A3T

**BEAUTIFIL Opaquer**
Fluoride releasing flowable, highly opaque composite, syringes with 2 g each in the shades UO (Universal Opaque) and LO (Light Opaque)