Are you juggling with MULTIPLE BONDS?

FUTURABOND U can do it ALL!

**Futurabond U**

THE ONLY DUAL-CURE UNIVERSAL ADHESIVE IN A SINGLE DOSE DELIVERY SYSTEM

**Advantages**

- One adhesive for all your adhesive dentistry
  - Self-etch, selective-etch or total-etch
  - For all direct or indirect materials
  - NO additional activators required for self- or dual-cure modes
  - Bonds to all light-, dual- and self-cure resin materials
  - Bonds to metal, zirconia, aluminum oxide, silicate ceramic without any extra primer
- VOCO's patented SingleDose System eliminates the problem of solvent evaporation as a known issue of other bottle systems – this ensures reliable high bond strength with each application.
- Fast and easy one-coat application (apply, dry and cure in 35 sec.)
- Virtually no post-operative sensitivity
- Over 30MPa of adhesion to dentin and enamel with LC composites while reaching high total-etch adhesion levels with DC and SC composites
- Reinforced with nano particles for permanent bond strength
- No refrigeration required

**Applications**

- SC / DC material
- Indirect restoration
- Cementation
- Posts

**Presentations**

- REF 1571 pack 50-0.1ml SingleDose, accessories
- REF 1572 pack 200-0.1ml SingleDose, accessories
- REF 1574 Trial Kit 20-0.1ml SingleDose, Vococid Gel 2ml syringe, accessories
Futurabond U

**TRULY UNIVERSAL – ONE BONDING AGENT FOR ALL YOUR ADHESIVE DENTISTRY**

Futurabond U is the first dual-cure universal adhesive in a Single Dose delivery system. Until now most offices use two to four different bonding systems in order to ensure material compatibility. Futurabond U allows the practitioner to cut this amount down to one, making procedures simpler, staff training easier and inventories streamlined.

Futurabond U can be used in self-etch, selective-etch or total-etch technique and works with all light-, self- or dual-cure composite based materials. Applied in a single layer, this new universal adhesive creates a strong bond to enamel and dentin. At the same time it also bonds to metal, zirconia, aluminum oxide and silicate ceramics without a primer, saving the cost of additional materials.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Futurabond U (VOCO)</th>
<th>Scotchbond™ Universal* (3M ESPE)</th>
<th>All-Bond™ Universal* (Bisco)</th>
<th>Prime&amp;Bond™ elect* (Dentsply)</th>
<th>iBond SE** (Heraeus)</th>
<th>Syntac** with Heliobond* (Ivoclar Vivadent*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-, Selective- and Total-Etch</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Direct restorations</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Indirect restorations</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Compatible with all light-cure, dual-cure or self-cure composites</td>
<td>✓</td>
<td>✓ 1)</td>
<td>✓</td>
<td>✓ 2)</td>
<td>✓ 3)</td>
<td>✓</td>
</tr>
<tr>
<td>Dual-cure in single dose</td>
<td>✓</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>✓</td>
</tr>
<tr>
<td>Fast application in only one layer</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
<td>✓</td>
<td>✓</td>
<td>–</td>
</tr>
</tbody>
</table>

1) Only with Scotchbond Universal DCA* (dual-cure activator) or RelyX Ultimate*  
2) Only with Self Cure Activator*  
3) Only in combination with light-cure luting cements

**Broad Indication Spectrum**

- **Direct restorations** of all cavity classes, and core build-ups using any light-cure, dual-cure or self-cure methacrylate-based composite
- **Indirect restorations** using any light-cure, dual-cure or self cure methacrylate-based cement
- **Intraoral repair** of fillings, ceramic veneers and all-ceramic restorations without additional primer
- **Treatment of hypersensitive tooth necks**
- **Protective varnish** for glass ionomer cement restorations
- **Sealing** of cavities prior to amalgam restorations or prior to temporary cementation
- **Cementation** of root posts with dual-cure or self cure cements.
Futurabond U

HIGH BOND STRENGTH TO ALL SUBSTRATES WITH EVERY ETCH TECHNIQUE

High Bond Strength on Dentin and Enamel for Reliable Results

On fresh cut enamel an infiltration of the bond takes place simultaneously during the etching process. There is no risk of contamination or destruction of the etching pattern. On dentin, Futurabond U dissolves the smear layer with special hydrophilic and acidic components. This demineralizes the tooth structure and allows the deep infiltration of the collagen fiber net and dentin tubules with the bonding agent. Futurabond U achieves outstanding shear bond strength on dentin and enamel. The shear bond strength of Futurabond U in the self-etch mode on enamel is 36.9 MPa and 30.7 MPa on dentin. Consequently, it reaches the same high bond strength values of leading total-etch systems, yet it is faster and less technique sensitive. By using selective-etch or total-etch these high values can be even increased. In the self-cured mode Futurabond U achieves significantly higher bond strength than other leading brands.

Free Choice of Etching Technique

Shear Bond Strength on Enamel and Dentin, Before and After Thermocycling (tc)

Source: A. Abdalla, report to VOCO GmbH, 2013

*Scotchbond Universal, All-Bond Universal, Prime&Bond elect, iBond SE, Syntac, Heliobond, Scotchbond Universal DCA, RelioR® Ultimate and Self Cure Activator are not registered trademarks of VOCO GmbH.
**Futurabond U**

**NEW TECHNOLOGIES FOR ENHANCED BONDING QUALITY**

**Nano Technology**

**for Better Performance**

The highly functionalized SiO₂ nano particles (Ø 20nm) in Futurabond U facilitate a cross-link of the resin components and enhance its film-building properties. Thus, the adhesive can optimally wet the exposed collagen fibers and micro-retentive etching pattern on the enamel. Nano particles reinforce the hybrid layer for a long lasting high bond strength. One-coat application of Futurabond U is sufficient to guarantee a permanently stable bond of the composite to the tooth. Futurabond U’s consistency ensures a “Stick Immediately Effect” which guarantees that the bond will not be blown out of the cavity while air drying. A combined stress breaking area and hybrid layer of 13 microns is created. This ensures a superior marginal integrity and protection against sensitivities.

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**Patented Proven SingleDose Delivery System**

**Solves the Evaporation Problem of Bottles**

VOCO engineers have been working for more than six years to develop a delivery system that is quick and easy to use, but also safe and reliable to guarantee state of the art bonding quality. VOCO’s patented SingleDose System prevents solvent evaporation; a common problem in a variety of other bottle bonding systems. This ensures reliable bond strength with each use. The one-step activation blisters will not spill in any position. A new SingleDose application for every patient prevents any concerns regarding contamination.
Futurabond U

EASY APPLICATION – ONLY 35 SECONDS WORKING TIME

Direct restoration

Indirect restoration

Cementation

Posts
Futurabond U

THE ONLY BOND FOR ALL YOUR ADHESIVE DENTISTRY

Advantages

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Self-Cure Mode for Post Cementation

Futurabond U cures without any light in the self-cure mode. This is a big advantage for endo applications like root canal cementation. Futurabond U eliminates the problem of the “pooling effect”, the blocking of the root canal caused by cured bonding agent. Special Endo Tims allow an easy application of Futurabond U in the root canal. The material will not start to cure before it is in contact with a dual or self-cure resin cement or core build-up composite.

Endo Tim – Brushes for applying bonding agents and varnishes into the root canal

- REF 2246 pack 50 Endo Tim to be used in the root canal

Futurabond U in practical SingleDose

- No solvent evaporation
- Easy, quick and hygienic – one-step activation blister
- No additional devices required
- No spilling in any position

Presentations

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- REF 1572 pack 200-0.1ml SingleDose, accessories
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