iBOND® Self Etch & iBOND® Total Etch
Bonding with confidence.

Giving a hand to oral health.
iBOND®
Bonding with confidence.

All-round, everyday adhesives.

They need to be fast, and must be stable – for life.
This is the assurance you need on a daily basis.

You can rely on iBOND: it’s everything you need when it comes to solid bonding.
Two adhesives, one promise: precise bonding with Kulzer.

Your patients expect efficiency and reliability from you every day. These are precisely the qualities you expect from an adhesive.

iBOND Self Etch and iBOND Total Etch are the result of our many years of expertise in the development of bonding agents, providing you with the materials you need to create direct and indirect restorations. Simple, safe and scientifically proven.

Our iBOND adhesives are a trusty team, delivering exactly what you need for perfect bonding: reliable adhesion, whatever the indication and technique.

- All-in-one iBOND Self Etch.
- Etch & Rinse two-step iBOND Total Etch.

▶ You have the choice, we have the right adhesive!
iBOND® Self Etch
One layer, many benefits.


■ Simplified application: etching, priming, bonding and desensitisation in a single step.
■ Reliable bonding, both to enamel and dentine.
■ Optimal marginal sealing.
■ Many years of clinical expertise; confirmed by numerous universities and practising dentists worldwide.
■ No refrigeration necessary.

iBOND Self Etch indications

■ Bonding of direct, light-curing composite restorations.
■ Bonding of indirect restorations in combination with a light-curing, luting cement.
■ Sealing hypersensitive areas of teeth.
**iBOND Self Etch – High initial bond strength equivalent to a three-step adhesive**

![Initial shear bond strength to dentine](image)


**iBOND Self Etch – High bond strength in a single step, from just one bottle**

![Shear bond strength to deciduous teeth (dentine)*](image)


*After thermocycling (1,000 cycles)*

**iBOND Self Etch – High bond strength comparable with total-etch adhesives**

**iBOND Self Etch – Perfect margins even after ageing**

![Shear bond strength to enamel and dentine](image)

Source: Test of shear bond strength on enamel and dentine, Dr Miller M, Reality Research Lab, USA Test report, September 2009. Documentation available.

![Marginal integrity of class II composite fillings with iBOND Self Etch](image)

Source: Prof. Haller, University of Ulm, Germany. Unpublished data. Documentation available.
iBOND® Self Etch

Tried and tested, and rated good.

iBOND Self Etch – Clinically proven.

The clinical results obtained with iBOND Self Etch do not differ significantly from those of the control group in this five-year study.

iBOND Self Etch – Class V restoration

iBOND Self Etch – The enhanced film-forming properties guarantee optimal user safety

iBOND® Self Etch behaves as good as total etch adhesive

The table shows the clinical results obtained with iBOND Self Etch compared to a control group. The results for retention, caries, post-op sensitivity, anatomic form, marginal adaptation, and marginal discolouration are presented. The data indicates that iBOND Self Etch performs equally to total etch adhesive in these aspects.

iBOND Self Etch – Numerous dentists in Europe have already used iBOND Self Etch in more than 73,000 restorations*

iBOND Self Etch was rated as follows:

- 95% of dentists rated iBOND Self Etch as easy to use.
- 86% of dentists rated iBOND Self Etch as better than their current bonding system.
- 93% of dentists would recommend iBOND Self Etch to their colleagues.

* iBOND Self Etch field test involving dentists in Germany, Austria, Switzerland, Great Britain, Italy and France. Data available from the manufacturer.
iBOND® Self Etch
Bonding with confidence.

iBOND Self Etch – Etching, priming, bonding and desensitisation in a single step!

- **One step:**
  iBOND Self Etch is applied as a single layer.

- **Clear results after air-drying:**
  A perfectly identifiable, glossy surface after air-drying the adhesive signifies that it has been effectively cross-linked with the surface of the tooth.

- **Homogeneous layer:**
  Due to its optimised consistency, iBOND Self Etch is not dispersed and creates a homogeneous adhesive layer on the dentine and enamel – the foundation for outstanding, long-lasting results.

- **Stable:**
  The excellent stability of iBOND Self Etch permits storage at room temperature.

iBOND Self Etch – Step-by-step application
iBOND® Total Etch
For a stable bond.

The light-curing Etch & Rinse (two-step) bonding system.

- Easy to use with application of just a single layer and rapid air-drying.
- Clinically proven, reliable bond strength.
- Maximum desensitisation.
- Outstanding marginal quality.
- Impressive handling.
- Endorsed by numerous universities and practising dentists worldwide.
- No refrigeration necessary.

iBOND Total Etch indications:

- Bonding of direct composite, Polyglas® and compomer restorations.
- Bonding of indirect laboratory-fabricated ceramic, Polyglas® and composite restorations.
- Treatment of hypersensitive tooth regions.
**iBOND Total Etch** – Excellent bonding with the total-etch technique

**High bond strength**

![Graph showing shear bond strength for different adhesives](image)


**iBOND Total Etch** – Excellent bonding stability after 6 months

**iBOND Total Etch** – Outstanding marginal integrity

**Change in bond strength to dentine after storage in water**

![Graph showing change in bond strength](image)


**Dye penetration depth after thermomechanical loading**

![Graph showing dye penetration](image)

Source: Prof. Haller, University Hospital, Ulm, Germany. Unpublished data. Documentation available.
iBOND® Total Etch

Tried and tested, and rated good.

iBOND Total Etch – Dentists in Europe have already tested and rated* iBOND Total Etch.

iBOND Total Etch was rated as follows:

- 96% of dentists rated iBOND Total Etch as easy to use.
- 87% of dentists would recommend iBOND Total Etch to their colleagues.
- 75% of dentists rated iBOND Total Etch as their preferred Etch & Rinse bonding agent.

* iBOND Total Etch field test involving dentists in Germany, Austria, Switzerland, Great Britain and Italy. Data available from the manufacturer.

iBOND Total Etch – The enhanced film-forming properties of iBOND Total Etch guarantee optimal user safety.
iBOND® Total Etch
Bonding with confidence.

iBOND Total Etch – Easy, convenient bonding with the proven total-etch technique!

- **One step:**
iBOND Total Etch is applied in just one step after etching with iBOND Etch; laborious rubbing actions are no longer necessary.

- **Clear results after air-drying:**
A perfectly identifiable, glossy surface after air-drying the adhesive signifies that it has been effectively cross-linked with the surface of the tooth.

- **Homogeneous layer:**
Due to its optimised consistency, iBOND Total Etch is not dispersed and creates a homogeneous adhesive layer on the dentine and enamel – the foundation for outstanding, long-lasting results.

- **Stable:**
The excellent stability of iBOND Total Etch ensures that it can be stored at room temperature; no refrigeration is necessary.

For etching enamel and dentine, we recommend iBOND Etch which is supplied with iBOND Total Etch or can be ordered separately.

iBOND Total Etch – Step-by-step application
iBOND® Self Etch and iBOND® Total Etch
A team you can rely on.

Verified by scientific studies.

We have been developing adhesive systems for more than 25 years: from one of the very first enamel bonding systems to state-of-the-art products now in their 4th and 5th generation, such as GLUMA Solid Bond and iBOND Total Etch, and the 7th generation iBOND Self Etch. Our adhesives are the product of our all-round expertise in composite bonding and decades of market experience with every generation of bonding system.

The exceptional reliability and quality of iBOND products have been verified by more than 15 research teams.

**USA**
- Dr Miller,
  Reality Research Lab
- Prof. Lee,
  Loma Linda University
- Dr Lu,
  Loma Linda University
- Prof. Thompson,
  University of San Antonio
- Prof. Soderholm,
  University of Florida
- Dr Yapp,
  The Dental Advisor
- Prof. Kugel and
  Prof. Perry,
  Tufts University
- Dr Ibarra,
  University of Washington
- Dr Özer,
  University of Pennsylvania

**Asia**
- Prof. Uno,
  University of Tokyo,
  Japan
- Dr Tsubota,
  Nihon University,
  Japan
- Prof. Kanehira,
  Tohoku University,
  Japan

**Europe**
- Prof. van Meerbeek,
  University of Leuven,
  Belgium
- Prof. Frankenberger,
  University of Erlangen,
  Germany
- Prof. Finger,
  University of Cologne,
  Germany
- Prof. Ernst,
  University of Mainz,
  Germany
- Prof. Haller,
  University of Ulm,
  Germany
- Prof. Hannig,
  University of Homburg,
  Germany
- Prof. Ilie,
  University of Munich,
  Germany
- Prof. Cerutti,
  University of Brescia,
  Italy
- Prof. Breschi,
  University of Trieste,
  Italy
- Dr Rupf,
  University of Leipzig,
  Germany
- Prof. Degrange,
  University of Paris,
  France
- Dr Foxton,
  King’s College London,
  Dental Institute, UK
- Dr Blunck,
  Charité Berlin,
  Germany

1 iBOND Self Etch
2 iBOND Total Etch

■ in vivo
■ in vitro
iBOND® Self Etch and iBOND® Total Etch
Precision right down …

iBOND Self Etch and iBOND Total Etch –
More precise, more economical – with drop control.

Have you and your assistant ever complained about that drop running down the dropper, jamming the cap? That becomes a thing of the past with our newly designed droppers for bonding agents and desensitizers. The notched design ensures a better cut of the drop. This not only prevents drops from running down the bottle. The new drop control entails several other benefits:

- No jamming or soiling of the opening.
- A very precise output of bonding agent: Depending on the applied pressure on the unique soft bottle, you can produce a smaller or bigger drop – always with a clean cut.
- The amount of single drops goes up to 220 per bottle – saving you about 50 drops per bottle.

Our quality seal: It cracks with the first opening

Every bottle of bonding agent and desensitizer now also comes with a quality seal, that cracks when you first open it. This seal tells you that the bottle fulfils our quality standards and is untapped.

It is always our aim to make your daily business more convenient and efficient for you. You will quickly come to appreciate the precise drop control and the opening protection. Why not enjoy the comfort of quality material in well-thought packaging?
iBOND® Self Etch
Product portfolio.

iBOND Self Etch Bottle Refill
1 x 4 ml bottle
50 application tips
Mixing well
Pictorial card
Art.-No.: 66046242

iBOND Self Etch Bottle Value Pack
3 x 4 ml bottle
Pictorial card
Art.-No.: 66046243

iBOND Self Etch Single Dose Refill
50 single-dose units
50 application tips
Pictorial card
Art.-No.: 66046244

iBOND Self Etch Single Dose Value Pack
100 single-dose units
100 application tips
Pictorial card
Art.-No.: 66046245
### iBOND® Total Etch

**Product portfolio.**

<table>
<thead>
<tr>
<th>Product</th>
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<tbody>
<tr>
<td><strong>iBOND Total Etch Bottle Refill</strong></td>
<td>1 x 4 ml bottle&lt;br&gt;50 application tips&lt;br&gt;Mixing well&lt;br&gt;Pictorial card&lt;br&gt;Art.-No.: 66040094</td>
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<td><strong>iBOND Total Etch Bottle Value Pack</strong></td>
<td>3 x 4 ml bottle&lt;br&gt;Pictorial card&lt;br&gt;Art.-No.: 66039867</td>
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<td><strong>iBOND Total Etch Assortment</strong></td>
<td>1 x 4 ml bottle&lt;br&gt;50 application tips&lt;br&gt;Mixing well&lt;br&gt;Pictorial card&lt;br&gt;2 x 2.5 ml syringe iBOND Etch 35 Gel&lt;br&gt;25 cannulas&lt;br&gt;Art.-No.: 66039866</td>
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<tr>
<td><strong>iBOND Total Etch Single Dose Refill</strong></td>
<td>50 single-dose units&lt;br&gt;50 application tips&lt;br&gt;Pictorial card&lt;br&gt;Art.-No.: 66040093</td>
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<td><strong>iBOND Total Etch Single Dose Value Pack</strong></td>
<td>100 single-dose units&lt;br&gt;100 application tips&lt;br&gt;Pictorial card&lt;br&gt;Art.-No.: 66039870</td>
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<td><strong>iBOND Total Etch Bottle Assortment</strong></td>
<td>1 x 4 ml bottle&lt;br&gt;50 application tips&lt;br&gt;Mixing well&lt;br&gt;Pictorial card&lt;br&gt;2 x 2.5 ml syringe iBOND Etch 35 Gel&lt;br&gt;25 cannulas&lt;br&gt;Art.-No.: 66039866</td>
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### iBOND Etch

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<td><strong>iBOND Etch 35 Gel</strong></td>
<td>2 x 2.5 ml syringe&lt;br&gt;25 cannulas&lt;br&gt;Art.-No.: 66039862</td>
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<tr>
<td><strong>iBOND Etch 35 Fluid</strong></td>
<td>1 x 15 ml bottle&lt;br&gt;Art.-No.: 66039868</td>
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Venus® Diamond and Venus® Pearl – Beauty beyond aesthetics.

Whether firm or creamy, Venus Diamond and Venus Pearl nano-hybrid composites make handling no trouble at all.

- Easy and convenient handling: Select the consistency according to preference and indication. Both composites are highly stable, with a low-stick consistency and longer working time, delivering perfect sculptability.

- Outstanding physical properties: An innovative formula providing long-lasting, aesthetically pleasing restorations with a permanent, natural lustre.

- Pure aesthetics: The material adapts perfectly to the colour of the surrounding teeth, creating an outstandingly natural look. Your patients will be delighted – and so will you!