Adhese® Universal
Light-curing dental adhesive

Fast and convenient direct intra-oral application
Virtually NO WASTE!

AdheseUniversal.us
Adhese® Universal
Universal adhesion with advanced delivery

Adhese Universal is a single-component, light-curing universal adhesive for direct and indirect bonding procedures that features compatibility with all etching techniques: self-etch, selective-enamel-etch and total-etch. Adhese Universal is the only universal bonding agent available in the conventional bottle as well as the unique VivaPen® delivery for fast and convenient direct intra-oral application with minimal waste to optimize cost-effectiveness.

The VivaPen ensures consistently high bond strength because its internal locking mechanism keeps the material fresh all the way to the last drop.

- **Efficient VivaPen® delivery** - 3X more applications per ml compared to bottles
- **Universal application** - Developed for all bonding and etching techniques
- **Predictable results** - High bond strength and virtually no sensitivity

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**Universal Application**

Compatible with direct and indirect bonding procedures

Adhese Universal balances hydrophilic and hydrophobic properties into one formulation making it universally compatible for direct and indirect bonding procedures. Its low film thickness (~10 microns) will help ensure accurate seating of indirect restorations.

**Direct Restorations**

**Indirect Restorations**

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**Compatible with all etching techniques**

Adhese Universal is well-suited for any etching protocol to ensure optimum results in all situations.

**Self-Etch**
Minimum treatment time with low risk of post-operative sensitivity.

**Selective-Enamel-Etch**
Enhances adhesion to enamel.

**Total-Etch (Etch & Rinse)**
Maximizes adhesion to both enamel and dentin.
Up to 190 applications

The 2 milliliters of adhesive contained in the VivaPen are sufficient for approximately 190 single-tooth applications. Compared to conventional bottle delivery forms, this amounts to almost 3 times more applications per milliliter.

Wet & Dry Bonding

Many adhesives are considered “technique sensitive.” Adhese Universal has a high tolerance to different degrees of clinically relevant dentin moisture. Its optimized solvent helps de-tangle and re-wet collapsed collagen fibers so the adhesive can infiltrate into the dentinal tubules to create a strong bond. Adhese Universal provides peace-of-mind because it performs well even if the dentin is left highly moist.
Predictable Results
Consistent High Shear Bond Strength

Adhese Universal provides durable and robust bond strength to enamel and dentin using only a single layer with any etching protocol.

Direct Bonding

<table>
<thead>
<tr>
<th>Adhesive</th>
<th>Dentin</th>
<th>Enamel</th>
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</thead>
<tbody>
<tr>
<td>Adhese Universal</td>
<td>50</td>
<td>40</td>
</tr>
<tr>
<td>Scotchbond Universal*</td>
<td>40</td>
<td>30</td>
</tr>
<tr>
<td>Optibond Solo Plus®</td>
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<td>20</td>
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<tr>
<td>Prime &amp; Bond NT*</td>
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Shear bond strength on dentin and enamel with Tetric EvoCeram® Bulk Fill (Total-Etch), R&D Ivoclar Vivadent, Schaan, Liechtenstein

Indirect Bonding

<table>
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Shear bond strength on dentin and enamel with Valiolink® II after dual-curing (Total-Etch), R&D Ivoclar Vivadent, Schaan, Liechtenstein

Virtually No Post-Operative Sensitivity

The water solvent and integrated micro-fillers used in Adhese Universal are designed to enhance penetration into the dentin tubules to stabilize and support the collagen network as well as create the formation of a homogeneous layer with only one layer of adhesive. This results in optimum sealing of the dentinal tubules to prevent movement of dentinal fluid, microleakage and post-operative sensitivity.

Ordering Information

VivaPen Delivery

- 664504WW Adhese Universal VivaPen System Pack (1x2ml)
  - 100 snap-on cannulas
  - 20 protective sleeves
- 665156WW Adhese Universal VivaPen Refill (1x2ml)
- 627178 VivaPen Snap-On Cannulas (100 pcs.)
- 627492 VivaPen Protective Sleeves (300 pcs.)

Bottle Delivery

- 663720WW Adhese Universal Bottle Refill (1x5g)
- 663721WW Adhese Universal Bottle Refill (2x5g)
- 664698 Vivadent Applicators, green (50 pcs.)