**Competitive Product Comparison**

**Scotchbond™ Universal Adhesive**
(3M ESPE)

**Prime&Bond® NT™ Dual Cure**
(Dentsply)

### Results
- Scotchbond Universal adhesive exhibits a faster direct application time compared to Prime&Bond NT.
- Scotchbond Universal adhesive offers more indications AND requires fewer components for the majority of indications.
- The cut enamel bond strengths of Scotchbond Universal adhesive (in both total-etch and self-etch mode) are statistically higher than Prime&Bond NT.
- Scotchbond Universal adhesive exhibits high performance on etched moist and dry dentin.
- Scotchbond Universal adhesive utilizes water and ethanol as opposed to the acetone in Prime&Bond NT.
- Scotchbond Universal adhesive exhibits uncompromising marginal integrity.
- Scotchbond Universal adhesive has virtually no post-operative sensitivity in the self-etch and total-etch techniques.

### Bond Strength
Shear bond strength data generated by Dr. Gerry Kugel at Tufts University highlighting the dentin performance of Scotchbond Universal adhesive compared to Prime&Bond NT. Scotchbond Universal adhesive exhibits high performance independent of technique.

### Marginal Integrity
An important aspect of bonding is the ability of an adhesive to resist the polymerization forces of the dental composite and maintain a sealed, continuous interface between tooth structure and composite. Dr. Blunck from Berlin, Germany, performed an in vitro study of class V restorations comparing Scotchbond Universal Adhesive and Prime&Bond NT and found Scotchbond Universal adhesive to have high percentages of continuous margins in the total-etch and self-etch modes.
**Scotchbond™ Universal Adhesive by 3M ESPE**

<table>
<thead>
<tr>
<th>Indications</th>
<th>Prime&amp;Bond® NT™ Dual Cure by Dentsply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Uncut enamel</td>
<td><img src="E" alt="Icon" /> <img src="A" alt="Icon" /></td>
</tr>
<tr>
<td>All classes of fillings with light curing composite or compomer materials</td>
<td><img src="E" alt="Icon" /> <img src="A" alt="Icon" /></td>
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<tr>
<td>Sealing of cavities prior to cementation of amalgam restorations</td>
<td><img src="E" alt="Icon" /> <img src="A" alt="Icon" /></td>
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<tr>
<td>Root surface desensitization</td>
<td>Not indicated</td>
</tr>
<tr>
<td>Protective coating for glass ionomers</td>
<td>Not indicated</td>
</tr>
<tr>
<td>Bonding of pit and fissure sealants</td>
<td>Not indicated</td>
</tr>
<tr>
<td>Intraoral repair of composite or compomer restorations</td>
<td><img src="E" alt="Icon" /> <img src="A" alt="Icon" /></td>
</tr>
<tr>
<td>Veneer Cementation</td>
<td><img src="E" alt="Icon" /> <img src="A" alt="Icon" /></td>
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<tr>
<td>Bonding of dual cure and self cure composite and core build up materials and cements</td>
<td><img src="E" alt="Icon" /> <img src="A" alt="Icon" /> <img src="D" alt="Icon" /> <img src="S" alt="Icon" /> (for ceramic/porcelain)</td>
</tr>
<tr>
<td>Intraoral repair of porcelain fused to metal and all-ceramic restorations</td>
<td><img src="E" alt="Icon" /> <img src="A" alt="Icon" /></td>
</tr>
<tr>
<td>Sealing of cavities and preparation of tooth stumps prior to temporary cementation of indirect restorations</td>
<td>Not indicated</td>
</tr>
<tr>
<td>Cementation of endodontic posts</td>
<td><img src="E" alt="Icon" /> <img src="A" alt="Icon" /> <img src="D" alt="Icon" /> <img src="S" alt="Icon" /> (for ceramic/porcelain)</td>
</tr>
<tr>
<td>Primer for indirect restorations</td>
<td>Not indicated</td>
</tr>
<tr>
<td>Bonding of direct amalgam restorations</td>
<td><img src="E" alt="Icon" /> <img src="D" alt="Icon" /> <img src="A" alt="Icon" /> <img src="B" alt="Icon" /> <img src="C" alt="Icon" /></td>
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</table>

**Direct Application Technique**

1. Apply ADHESIVE with scrubbing motion for 20 seconds.
2. Air thin for 5 seconds
3. Light cure 10 seconds.

**Solvent**

- Ethanol and Water
- Acetone

**Storage Conditions**

- No refrigeration required. Store at 2-25°C / 36-77°F
- Refrigerated storage not required

**Packaging**

- 5ml Bottle, 0.11ml Unit Dose Applicators
- 4.5ml Bottle, 0.125ml

Information obtained from Dentsply website or Prime&Bond NT Instructions for Use

Icons show components only – not intended to illustrate order of use

Recommended components when used with manufacturer’s recommended cement system

1 Adhesive only when used with RelyX™ Ultimate cement, use Adhesive + Dual Cure Activator with other dual cure and self cure composite, core build up materials and cements

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**Customer Care Center:** 1-800-634-2249  www.3MESPE.com

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