

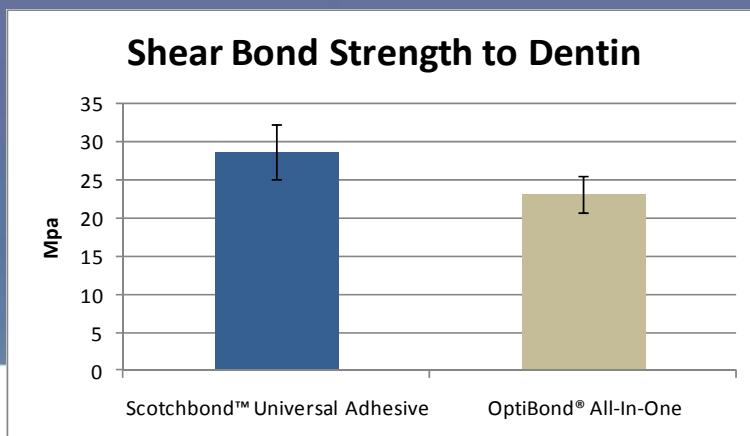
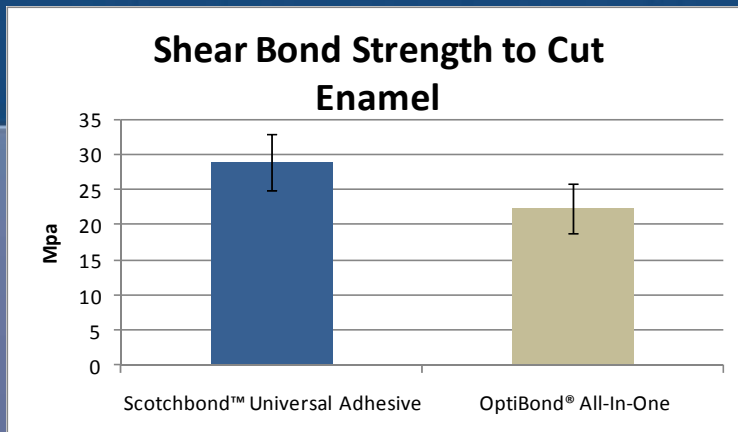
# Competitive Product Comparison

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

**OptiBond® All-In-One Self-Etching  
Dental Adhesive** (Kerr Dental)






















## Results

- The cut enamel and dentin bond strengths of Scotchbond Universal adhesive are statistically higher than Optibond All-in-One.
- Scotchbond Universal adhesive exhibits faster direct application times than OptiBond All-In-One.
- Scotchbond Universal adhesive offers more indications than OptiBond All-In-One.
- Scotchbond Universal adhesive and OptiBond All-In-One require a similar number of bottles for the majority of indications.
- Scotchbond Universal adhesive has a 2 year shelf life at room temperature. OptiBond All-In-One requires refrigeration upon receipt.
- Scotchbond Universal adhesive has virtually no post-operative sensitivity in the self-etch and total-etch techniques.



## Bond Strength

The bond strength of Scotchbond Universal adhesive and OptiBond All-In-One were determined using a Notched-Edge Shear Bond Strength test method on bovine cut enamel and dentin. Scotchbond Universal adhesive exhibited higher dentin and cut enamel bond strengths than OptiBond All-In-One.

	<b>Scotchbond™ Universal Adhesive by 3M ESPE</b>	<b>OptiBond® All-In-One Self Etching Dental Adhesive by Kerr</b>
<b>Indications</b>	Number of bottles/components (A=Adhesive, D=Activator, S=Silane, E=Etchant) <sup>1,2</sup>	
Uncut enamel		Bevel
All classes of fillings with light curing composite or compomer materials		
Sealing of cavities prior to cementation of amalgam restorations		
Root surface desensitization		Not indicated
Protective coating for glass ionomers		Not indicated
Bonding of pit and fissure sealants		Not indicated
Intraoral repair of composite or compomer restorations		 **
Veneer Cementation		
Bonding of dual cure and self cure composite and core build up materials and cements	 (for self cure only)	
Intraoral repair of porcelain fused to metal and all-ceramic restorations		 (for porcelain) **
Sealing of cavities and preparation of tooth stumps prior to temporary cementation of indirect restorations		 **
Cementation of endodontic posts		
Primer for indirect restorations		Not indicated
<b>Direct Light Cure Application Technique</b>	<ol style="list-style-type: none"> <li>1. Apply ADHESIVE with scrubbing motion for 20 seconds.</li> <li>2. Air thin for 5 seconds</li> <li>3. Light cure 10 seconds</li> </ol>	<ol style="list-style-type: none"> <li>1. Shake bottle for 10 seconds upon 1<sup>st</sup> use</li> <li>2. Apply generous amount of ADHESIVE with brushing motion for 20 seconds.</li> <li>3. Apply second application with brushing motion for 20 seconds.</li> <li>4. Dry with gentle air followed by medium air for at least 5 seconds.</li> <li>5. Light cure for 10 seconds.</li> </ol>
<b>Storage Conditions</b>	No refrigeration required. Store at 2-25°C/36-77°F	Refrigerate upon receipt between 2-8°C.
<b>Packaging</b>	5ml Vial , Unit Dose Applicators	5ml bottle, 0.18ml Unidose®

\*Information obtained from Kerr Dental Website and OptiBond All-In-One instructions for use \*\*Indicated, however insufficient information provided in instructions for use to determine how many more components may be required.

<sup>1</sup> Components only – not intended to illustrate order of use <sup>2</sup> When used with manufacturer's recommended cement system