Adper™ Scotchbond™ SE
Self-Etch Adhesive

Self-etch technology
that's visibly better
Radiopacity: be confident in your future diagnosis.

One confidence-inspiring feature of Adper™ Scotchbond™ SE Self-Etch Adhesive is its **radiopacity**. When adhesive pooling occurs, it can be difficult during future diagnosis to distinguish between cured adhesive film and secondary decay on a radiograph. But Adper Scotchbond SE adhesive contains a surface-modified, bonded zirconia nanofiller that makes it radiopaque.

As demonstrated by the right side of the radiographic images below, pooled **radiolucent** adhesive appears as dark lines in multiple locations along the composite-adhesive-tooth interfaces. These lines can be confused with tooth decay, which can lead to an incorrect diagnosis and treatment plan. On the left side of the images is Adper Scotchbond SE adhesive. Due to its radiopacity, there are no dark lines present, reducing the chance of misdiagnosing adhesive pooling for secondary caries.

**The Future of self-etch is now self-evident**

**Summary of advantages**
- Reduced risk of post-operative sensitivity
- Radiopaque to reduce risk of misdiagnosis of decay
- Color-change indicator verifies coverage and activation
- Total-etch performance in a self-etch adhesive
- Patented bonded nanofiller for optimized bond strength
- Moisture tolerant—works on wet or dry enamel and dentin
- Good stability without refrigeration or shaking
- Root surface desensitizer

Radiographs of two Class II restorations made from 3M™ ESPE™ Filtek™ Supreme Plus Universal Restorative. The right side is bonded with Clearfil SE Bond adhesive, which appears as dark lines in multiple locations along the composite-adhesive-tooth interfaces.

Source: Dr. Jorge Perdigao, University of Minnesota
Reduced post-operative sensitivity: be confident of patient comfort.

Unlike total-etch systems, with Adper Scotchbond SE adhesive, the etching and subsequent penetration of resin monomers into the demineralized dentin and enamel is carried out without a separate etch and rinse step. A major benefit of this procedure is that it eliminates dependence on “moist bonding”—a technique characteristic of the 5th generation “one-bottle” systems that may be associated with post-operative sensitivity.

Proven bond strength: be confident of adhesive performance.

The unique, patented, bonded nanofiller in Adper Scotchbond SE adhesive contributes to both radiopacity and an optimized bond strength that is comparable with total-etch adhesives.

Be confident of high marginal integrity.

A study performed on Class V restorations by Professor Dr. B. Haller, University of Ulm, measured marginal integrity and microleakage. The percentage of continuous margins after thermocycling is very high for Adper Scotchbond SE adhesive—99.9% on enamel and 96.4% on dentin—indicating high marginal integrity.

Extremely low incidence of post-operative sensitivity

In a field evaluation of more than 5,000 restorations that were placed using Adper™ Scotchbond™ SE Self-Etch Adhesive, <1% reported post-operative sensitivity.

Source: 3M ESPE internal data
Color-change indicator: be confident of adhesive coverage and etch activation.

Confidence starts with knowing you have accurate adhesive placement and coverage. There will be no doubt using Adper Scotchbond SE Self-Etch Adhesive. Its color-change indicator gives you visual confirmation of coverage, as well as proper etch activation. The technique provides for a solvent-free, hydrophobic overcoat similar to the bonding philosophy of Adper™ Scotchbond™ Multi-Purpose Adhesive. This novel bonding approach combining the unique color-change technology and hydrophobic overcoat results in low technique sensitivity and more consistent performance.

1. Primer (Bottle A) goes on pink, acting as a guide for achieving full coverage when applying the adhesive. **Do NOT air dry.**

2. Apply adhesive (Bottle B), and the pink color disappears, indicating where the adhesive is placed.

3. The color change also indicates the activation of the acid and commencement of the etching process. Agitate for 20 seconds. **Air dry for 10 seconds.**

4. Apply hydrophobic overcoat and air thin. Light cure for 10 seconds. Apply composite filling material.

Photos: Courtesy of Dr. Jorge Perdigao, University of Minnesota

Visibly better.
Confidence-inspiring.
Adper Scotchbond SE Self-Etch Adhesive
A visibly different self-etch adhesive that inspires confidence.

Global adhesive trends show that self-etch adhesives are gaining popularity and growing at a faster rate than total-etch adhesives. More customers today want products that offer reduced post-operative sensitivity, fewer steps and easier procedures. In response, 3M ESPE developed Adper™ Scotchbond™ SE Self-Etch Adhesive, with confidence-inspiring features you won’t find with other self-etch adhesives like:

- **Radiopacity** to reduce risk of misdiagnosing cured adhesive film as secondary decay
- **Patented bonded nanofiller** for optimized bond strength
- **A color-change indicator** to ensure proper placement and activation
- **Shelf stability** with a two-bottle system that keeps the aqueous component separate from the acidic resin until combined on the tooth—so it can be stored without refrigeration—unlike traditional self-etch systems

And we’ve conducted performance tests to prove this two-bottle, high-performance self-etch system offers additional confidence when it comes to:

- Reduced post-operative sensitivity
- Long-term bond performance
- Reduced nanoleakage
- Lasting marginal integrity

The self-etch with total-etch performance
The light-curing Adper™ Scotchbond™ SE Self-Etch Adhesive is indicated for:

- Bonding between dentin/enamel and composite filling
- Bonding between dentin/enamel and compomer filling
- Intraoral repair of porcelain, composite and metal using light-cure composite resin
- Desensitization of hypersensitive teeth/root surface

Adper Scotchbond SE adhesive is suited for light-curing materials, but not for dual-curing or self-curing materials, and is not indicated for indirect applications, including use in veneer placement.

### Ordering Information

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<thead>
<tr>
<th>Item #</th>
<th>Product Information</th>
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<tr>
<td>42000</td>
<td><strong>Adper™ Scotchbond™ SE Self-Etch Adhesive Intro Kit</strong></td>
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<td>Kit includes: 5g Part A (Primer) in cylindrical vial w/Purple cap; 5g Part B (Bond) in oblong vial w/Black cap; 50 disposable 2-well dispensing wells; 50 disposable Purple microbrushes; 50 disposable Black microbrushes</td>
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<td><strong>Adper™ Scotchbond™ SE Self-Etch Adhesive Trial Kit</strong></td>
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<td>Kit includes: 2.5g Part A (Primer) in cylindrical vial w/Purple cap; 2.5g Part B (Bond) in oblong vial w/Black cap; 50 disposable 2-well dispensing wells; 50 disposable Purple microbrushes; 50 disposable Black microbrushes</td>
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Customer Care Center: 1-800-634-2249   www.3MESPE.com/Adper