

# Oxford Bond SE Dual



## Directions for Use

### Self Etching Adhesive – Dual Cure

Oxford Bond SE Dual is a simple to use self-etching dual cure adhesive. It is designed for strong bonding of composites, compomers and resin modified glass ionomer cements to enamel and dentine

Oxford Bond SE Dual consists of the components PART A and PART B that were mixed before application. It is bonding to dual cure, self-cure and light cure composite restorative materials.

### Contraindications

Do not use Oxford Bond SE Dual if the recommended working technique is not possible or if the patient is known to be allergic to any of the ingredients.

### Side effects

In singular cases, Oxford Bond SE Dual may cause a sensitizing reaction in patients with a hypersensitivity to any of the ingredients. In these cases, the material should not be used.

Irritations resulting from direct contact with the pulp cannot be ruled out. Therefore for pulp protection the cavity floor in cases of deep excavations should be covered with a thin layer of calcium hydroxide material.

### Incompatibility with Other Materials

Do not use in combination with substances containing eugenol because eugenol inhibits the polymerization of Oxford Bond SE Dual. Neither store the material in proximity of eugenol containing products, nor let the material allow coming into contact with materials containing eugenol.

## Application

### 1. Isolation

Rubber dam is the recommended method of isolation.

### 2. Cavity Preparation

Clean the tooth with flour of pumice and water prior to preparation. Prepare the cavity with minimal tooth reduction. Margins should have a slight (0.5 - 1.0 mm) bevel placed in the enamel to increase the surface area for greater bond strength.

### 3. Pulp Protection

Cavity floor of deep excavations should be covered with a thin layer of calcium hydroxide material.

### 4. Application of Oxford Bond SE Dual

One drop of Oxford Bond SE Dual PART A and one drop of Oxford Bond SE Dual PART B were combined in a mixing pallet and mixed for 5-10 seconds.

Apply the homogeneous mixture generously with a brush onto the slightly wet enamel and dentine surfaces for 30 seconds with agitation. The material should build a homogeneous layer. Air thin for 10 seconds to remove the volatile components and to disperse the adhesive. Then light cure for 20 sec with a dental halogen light unit or an LED (wavelength 400–500 nm, light intensity min. 1000 mW/cm<sup>2</sup>) and place the restorative material.

**For a maximal adhesion it is strongly recommended to use the light cure mode.**

If light cure is absolutely impossible, the adhesive will also cure in the autocure mode. After application of the adhesive air thin gently to **remove all volatile components**. There must remain a sticky layer. Then apply the restorative material directly.

#### Notes:

Do not interchange lids of the bottles, because this can lead to a cross-contamination of the liquids.

### 5. Restorative Placement

Best results are obtained with application of a thin layer of a flowable composite followed by the application of a moldable composite. Light cure each composite layer separately according to the corresponding user instructions.

### Warnings

- Unpolymerized material may have an irritating effect and may lead to a sensitizing reaction against methacrylates
- Avoid contact with skin, mucous membrane and eyes
- If the material comes into contact with skin, immediately wash with water and soap. If the material comes into contact with eyes, immediately rinse with copious amounts of water and seek medical advice if required.
- Commercial medical gloves do not protect against the sensitizing effect of methacrylates.

### Storage

Do not store above 25 °C (77 °F)!

Avoid storage in direct sunlight.

Do not use after expiration date (see expiration date on label/packaging)

### Warranty

First Scientific Dental Materials GmbH warrants this product will be free from defects in material and manufacture. First Scientific Dental Materials makes no other warranties including any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining the suitability of the product for user's application. If this product is defective within the warranty period, your exclusive remedy and First Scientific Dental Materials' sole obligation shall be repair or replacement of the First Scientific Dental Materials product.

### Limitation of Liability

Except where prohibited by law, First Scientific Dental Materials GmbH will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability.

### Keep away from children!

**For dental use only!**

#### Caution:

**Federal law restricts the sale of this device to or by the order of a dentist.**



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