Oxford GI Resin FILL UF

Oxford Scientific

Capsules

Directions for Use

Light Cure Ultra Fine Resin Modified Glass Ionomer Cement for Filling

Oxford GI Resin FILL UF is a light cured resin reinforced glass ionomer filling cement. Beside its high fluoride content and the excellent biocompatibility as glass ionomer cement **Oxford GI Resin FILL UF** has also good chemical bonding to dentine and enamel and a tight seal at the dentinal margins. Because of its radiopacity it ensures easy postoperative diagnosis.

Oxford Capsules are easily activated and the content of the capsule is easily ejected out with the Oxford Capsule APPLIER. Capsule mixing (mixing time 10 sec) is achieved by a high frequency mixer with about 4,300 oscillations/min such as Capmix. Application can be done directly from the Capsule.

Indications

- linings for composite fillings
- primary tooth fillings
- core build-ups
- dental neck fillings
- uniplanar and multiplanar temporary fillings
- small class I and II fillings

Contraindications

- Pulp capping
- In rare cases the product may cause sensitivity in some people. In these cases discontinue to use the product and consult a physician

Side effects

Side effects are not known to date.

Application

1. Tooth Preparation

Prepare the tooth using standard techniques. Do not prepare thin edges.

If desired, place a matrix band.

Apply Oxford GI Resin PRIME VLC with a suitable brush onto the **moist enamel and dentine surfaces** for 30 seconds with agitation. The material should build a homogeneous layer. Air thin gently for 10 seconds to remove the volatile components and to disperse the adhesive. Then light cure with a suitable dental light unit for 10 seconds.

Pulp capping with Oxford GI Resin FILL UF is **contraindicated.** To deep areas of possible pulpal exposure apply a small amount of a calcium hydroxide liner (e.g. Oxford Cal).

2. Activation and Mixing (see Instruction for Capsules)

Activate and mix the Capsule according to the information in the Capsule instructions.
Mixing time for the Capsules is 10 seconds.

Attention:

Avoid lag times between the processes of activation, mixing and application as the material is in the process of setting which may impair or prevent application of the material. All the cement required should be dispensed from the capsule within **30 seconds** from the start of mix.

3. Filling and Finishing

Apply the mixed Oxford GI Resin FILL UF directly out of the capsule into the prepared cavity. Please see to it, that no air bubbles will be incorporated.

Form the cement with a placement or forming instrument within the **working time (approx. 1:30 minutes** from start of mixing at 23 °C or 74°F**)**. A transparent matrix may be used. Cure **for 20 sec** with a visible light-curing device. Net setting time without any light is approx. **4:30 min.**

If the cavity is more than 2 mm deep, curing in thin incremental layers is strongly recommended.

Note: Higher temperatures will shorten the working time, lower temperatures will prolong the working time.
An overextended working time will cause the loss of adhesion to the dental enamel and the dentine.

Remove the matrix when the cement has achieved clinical set (approx. **4:30 minutes** after application) and perform finishing under water spray using standard techniques.

4. Conclusive Notes

The products are to be applied only by a dental professional in the manner as described in this instruction.

Do not use the products with patients who show an allergy to the material. In case of allergic reactions immediately stop the application, and advise the patient to consult a physician.
An operator, who has a history of allergy to glass ionomer cements should not handle Oxford GI Resin FILL UF.

Do not allow the liquid or the mixture to contact the oral tissues or skin. In case of contact, remove the material with absorbent cotton soaked in alcohol and rinse with water.

Avoid eye contact of the mixture. In case of contact, immediately flush with water and seek medical treatment.

Direct contact with eugenol-based products is to be avoided. Eugenol inhibits the setting of LC glass ionomer cements.

5. Storage

Store Oxford GI Resin FILL UF in a cool and dark place at 4-25 °C (39-77 °F). Temperature should not exceed 25 °C (77 °F). Do not use after expiry date.

Oxford GI Resin FILL UF in capsules are for single use only.

Average net content per capsule: 0.5g

Warranty

First Scientific Dental Materials GmbH warrants this product will be free from defects in material and manufacture. First Scientific Dental Materials GmbH 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 exclusively remedy and First Scientific Dental Materials GmbH's sole obligation shall be repair or replacement of the First Scientific Dental Materials GmbH 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!

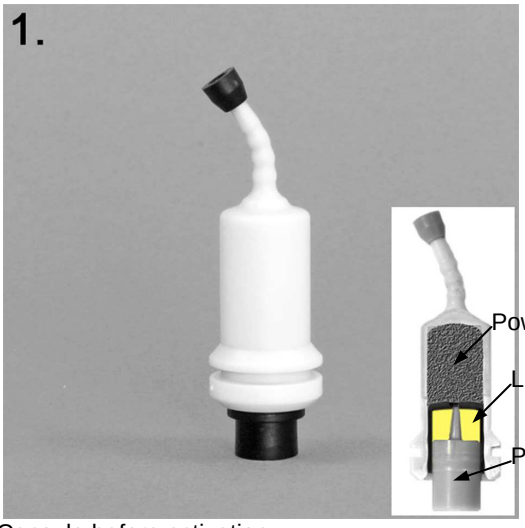
Caution:
Federal law restricts the sale of this device to or by the order of a dentist.

Manufacturer:
First Scientific Dental Materials GmbH, 25335 Elmshorn, Germany

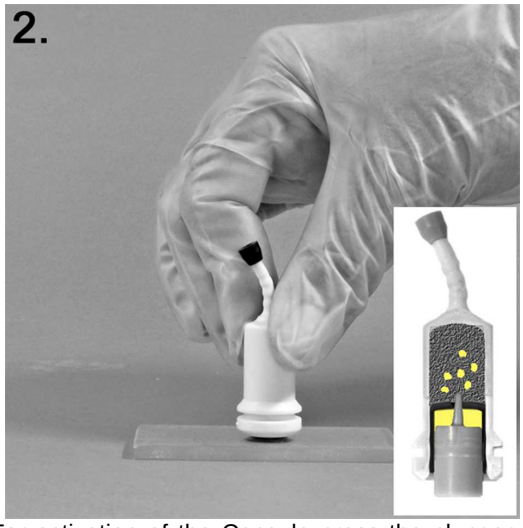
CE 0482

V1.1 – 05-2017

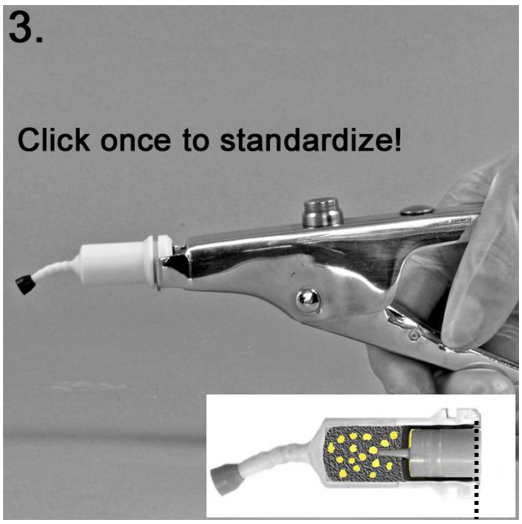
Instruction for activating and mixing Oxford Capsules



Capsule before activation.

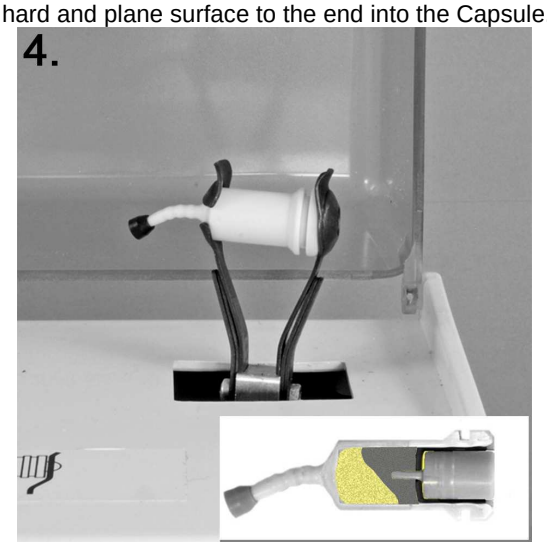


For activation of the Capsule press the plunger on a hard and plane surface to the end into the Capsule.

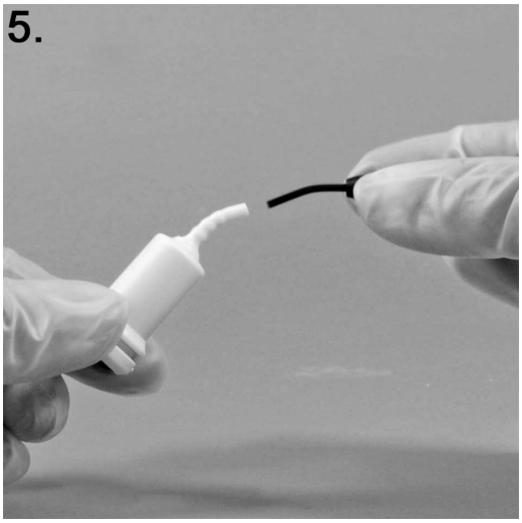


Insert the Capsule into the Capsule Applier and **click once** to standardize.

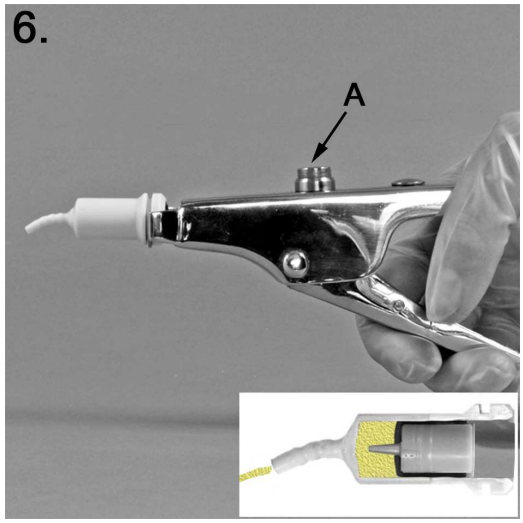
Note: The plunger and the bottom of the capsule must be at the same level.



Insert the Capsule into a mixer (or an amalgamator), close lid and mix immediately for 10 seconds (about 4300 oscillations / min).



Remove the pin from the nozzle. If not, capsule can burst.



Insert the Capsule into the Capsule Applier. Pull the lever 2 times (2 clicks) to prime the Capsule. Extrude the mixed material on a glass plate and apply directly. Unlock the Capsule Applier (push button A) and remove the Capsule.

Only with the Oxford Capsule Applier the optimal amount of mixed material is guaranteed.

Manufacturer:
First Scientific Dental Materials GmbH, 25335 Elmshorn, Germany

CE 0482

V1.1 – 05-2017