

Directions for Use

Advanced Glass Ionomer Cement for Filling

Oxford GI FILL X is a newly developed glass ionomer restorative cement that shows, even in warm and humid climate, an excellent shelf life. **Oxford GI FILL X** is resin-free and shows very good biocompatibility.

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

- Class I and II restorations in deciduous teeth
- Non-load bearing small class I and class II restorations in permanent teeth
- Intermediate restorative material for heavy stress situations in class I and class II cavities
- Base material for class I and II cavities according to sandwich technique
- Class V and root surface restorations
- Core build-ups

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 a conditioner according to the corresponding instructions to the bonding surfaces to remove the preparation smear layer. Rinse the conditioner thoroughly with water and dry gently. Do not desiccate.

Areas close to the pulp should be covered with 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. The material must be extruded within 10 seconds after the end of mix.

Oxford GI FILL X sticks to metal instruments and should be washed off with cold water prior to setting.

3. Filling

Apply the mixed **Oxford GI FILL X** directly out of the capsule into the prepared cavity.

Please see to it, that no air bubbles will be incorporated.

Oxford GI FILL X should be placed in the cavity within the **working time (1:15 minutes from start of mixing at 23 °C or 74°F)**. Modeling can be done within a further 30 seconds. If desired, a matrix band may be used to form the contour.

Net setting time is about **4:30 minutes**.

After setting, immediately apply Oxford GI COAT. Immediately light cure for 20 seconds.

Close bottle immediately after use.

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)

4. Finishing

Final finishing and polishing can begin from about **6 minutes** after start of mixing. Smooth with fine diamond burs, then polish with finishing and polishing discs with graded grain size.

Apply a thin layer of **Oxford GI COAT** to the final finished surface of the restoration. Immediately light cure for 20 seconds.

Close bottle immediately after use.

Instruct the patient not to expose the restoration to any pressure for one hour.

5. 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.

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.

6. Storage

Store **Oxford GI FILL X** at room temperature (25 °C / 77 °F). Do not use after expiration date (expiration date see packaging).

Oxford GI FILL X 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.

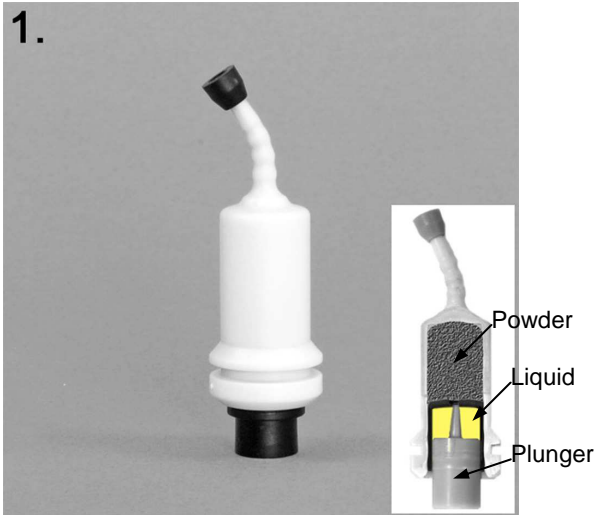


Manufacturer:

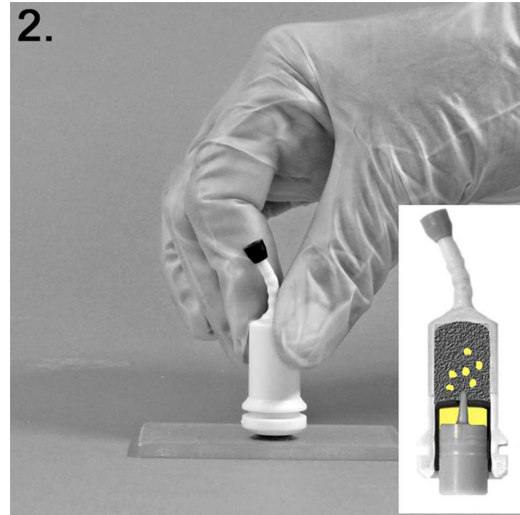
First Scientific Dental Materials GmbH, 25335 Elmshorn, Germany



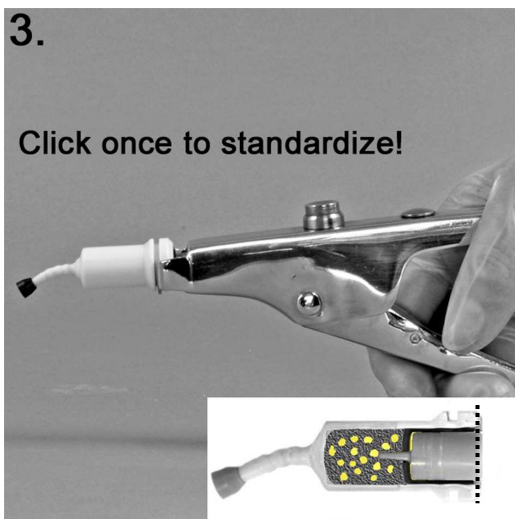
Instruction for activating and mixing Oxford Capsules



Capsule before activation.

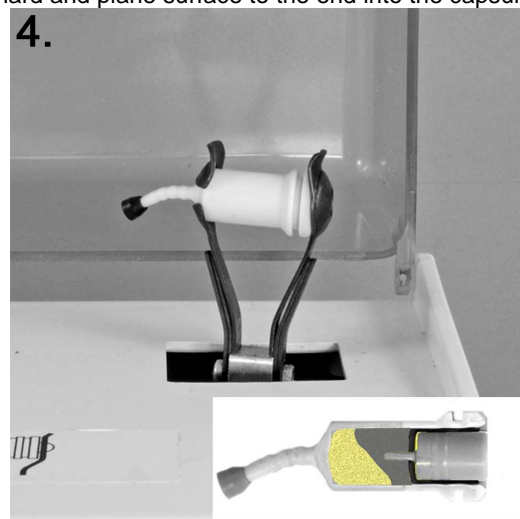


For activation of the capsule press the plunger on a hard and plane surface to the end into the capsule.

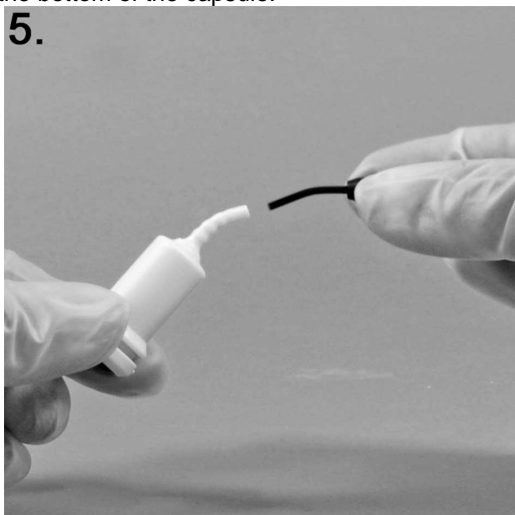


Insert the capsule into the Capsule Applier and **click once** to standardize.

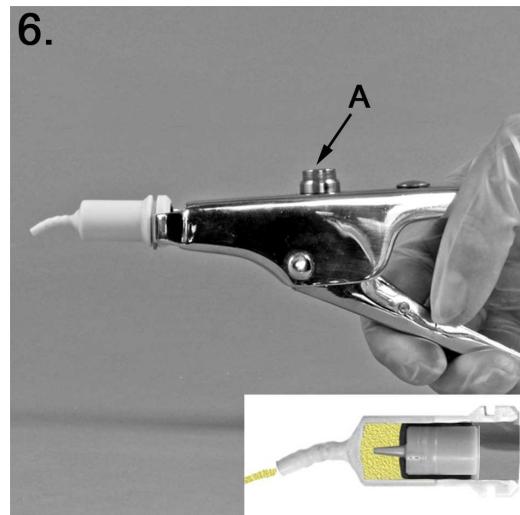
Note: The plunger must be at the same level as the bottom of the capsule.



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.



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