

Directions for use

Self-adhesive light cure liner

Oxford Iono SE is a self-adhesive light cure, fluoride-containing liner. The moderately acidic properties of Oxford Iono SE makes it ideally suited to its application as liner, especially when basic MTA cements (e.g. Oxford MTA) are used for pulp capping.

When using Oxford Iono SE, prior etching of tooth substance is not mandatory. Oxford Iono SE shows self adhesive properties, therefore application of an adhesive is not absolutely necessary. Nevertheless, application of a light cure adhesive (e.g. Oxford Bond SE Mono) improves the bond strength of Oxford Iono SE to dentine and enamel and so guarantees a more reliable bond between tooth structure and Oxford Iono SE.

Oxford Iono SE is self neutralizing. The flow properties are optimized for easy application. Oxford Iono SE is based on methacrylates and inorganic fillers.

Indications

- Liner under composite fillings
- Covering of MTA cements after pulp capping

Contraindications

Contraindications or interactions are not known.

Side effects

Irritations resulting from direct contact with the pulp cannot be ruled out. Therefore protect pulp in deep cavities with a thin layer of Oxford MTA or a calcium hydroxide liner (e.g. Oxford Cal).

Incompatibility with Other Materials

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

Application

Store syringe after use again in the seal pack.

1. Liner

Clean the prepared cavity.

Apply Oxford Bond SE Mono with a brush onto the **moist enamel and dentin 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 curing unit for 20 seconds.

Remove the cap from the Oxford Iono SE-syringe and attach a NeedleTip. Squeeze out the first small drop on a pad to ensure safe handling of Oxford Iono SE.

Apply Oxford Iono SE in a thin layer up to 1-2 mm below the cavity margin. With a suitable brush work Oxford Iono SE in for 20 seconds. 30 seconds after application light cure for 20 seconds with a dental light curing unit.

Apply a light cure composite according to the user instructions and light cure.

2. Covering of MTA-cement after pulp capping

Apply Oxford MTA from the DirectCap over the exposed pulp as described in the corresponding instructions.

Earliest 5 minutes after the application of Oxford MTA place a small amount of Oxford Iono SE and light cure.

Apply Oxford Bond SE Mono onto the remaining cavity walls as described under point 2, followed by the application of Oxford Iono SE in a thin layer up to 1-2- mm below the cavity margin. With a suitable brush work Oxford Iono SE in for 20 seconds. 30 seconds after application light cure for 20 seconds with a dental light curing unit.

Apply a light cure composite according to the user instructions and light cure.

Additional Notes:

- The curing times are for Halogen curing lights with a light intensity of min. 500 mW/cm² or LED curing lights with a light intensity of min.1000 mW/cm².
- Do not use any resin to adjust viscosity of Oxford Iono SE.
- Contact of resin pastes with skin should be avoided, especially by anyone having known resin allergies.
- Contact with eyes may cause severe eye damage. Wear eye protection. In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

Storage

Store in the original seal-pack at 10 - 25 °C (50 - 77 °F).

After opening of the seal-pack, use Oxford Iono SE within 6 months and before the end of expiry date. Avoid constantly high humidity. Do **not** store in the refrigerator. Do not use after expiry date.

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 exclusively 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.

