

Unolux Seal/Unolux Seal F

Light-curing, Radiopaque, Flowable Glass Ceramic Microhybrid Composite

Corresponds to DIN EN ISO 6874.

Unolux Seal is a transparent light-curing fissure sealant.

Unolux Seal F is a white, light-curing fissure sealant with fluorides.

Fields of Application:

- Sealing/filling of pits and fissures as well as small cavities.
- Sealing/facing of damaged enamel surfaces.
- Anchorage of orthodontic appliances and covering caries predilection sites during orthodontic treatments.
- Sealing of composite or cement fillings (protective layer against humidity)
- Sealing of carious lesions to stop them
- Restoration of small defects in composite and amalgam fillings
- Sealing of deciduous teeth

Directions: Fissures should be sealed as soon as the eruption of the tooth allows treatment and a dry work field can be secured. After drying, thoroughly clean the surfaces to be sealed (rotating brush/cleaning paste), spray and dry. In case of incipient carious lesions or unclear diagnosis extend the fissure with a fine instrument.

Etching: Apply UnoDent Etch Gel, work in with a shorthaired disposable brush and let act for 15-30 seconds according to the condition of the enamel. Thoroughly rinse and dry. The etched enamel should have an opaque and matt-white appearance. Avoid subsequent contamination. Please refer also to the UnoDent Etch Gel instructions for use.

Bottle Application: Carefully apply and disperse Unolux Seal with a brush or any other suitable instrument. Remove any air bubbles (e.g. with a fine probe).

Syringe Application: Remove the protective cap from the syringe. Place a new cannula on the Unolux Seal F syringe. To avoid air bubbles, hold the syringe vertically and press the material up to the tip of the cannula. Unolux Seal F homogeneously flows from the cannula upon light to medium pressure.

Apply Unolux Seal/Unolux Seal F from the margin into the fissure or cavity and let penetrate for 15-20 seconds. Remove any air bubble (e.g. with a fine probe).

Light-curing: Polymerise Unolux Seal/Unolux Seal F for 20 seconds per surface and check the sealing. To light-cure this material conventional polymerisation devices are suited. The light output should be a minimum of 500 mW/cm² on halogen polymerisation devices and 300 mW/cm² on LED devices. Re-seal deficit areas, remove excess cautiously (e.g. finishing diamond), and polish if necessary (rubber polisher). Finally apply a fluoride varnish on the treated and neighbouring teeth (preferably on all teeth).

Advice and Precautionary Measures: A work field with cannot be dried sufficiently involves the risk of a (partial) premature loss of the sealing. In these cases, the application of a fluoride varnish or sealing with a glass ionomer cement is recommended until a perfect sealing is possible. If the etched surface is contaminated (e.g. by saliva), the adhesion of Unolux Seal/Unolux Seal F may be reduced. In case of contamination, clean, etch again for approx. 10-20 seconds, spray

and dry. Adhesion may be improved after etching by using a bonding (difficult drying or extended sealing). Expose Unolux Seal/Unolux Seal F to operating light only a short time as otherwise polymerisation will start (viscosity increases). Check sulcus after application and remove all material residue. Unolux Seal/Unolux Seal F contains Bis-GMA, diurethane dimethacrylate, BHT, benzotriazolderivate. Unolux Seal/Seal F also contains sodium fluoride. Unolux Seal/Unolux Seal F should not be used in case of known hypersensitivities (allergies) to any of these ingredients. Avoid contact with the mucosa as far as possible. Do not use cleaning and drying agents containing phenolic substances (e.g. eugenol, thymol) as they inhibit a complete polymerisation. Carious lesions (e.g. around fillings) can be stopped by corresponding sealing if renewal of the filling is not desired or possible. For this purpose, clean the corresponding areas, prepare as minimally as possible and etch in the enamel area. Sealing the complete filling is recommended in these cases. In cases of orthodontic treatments in areas of reduced oral hygiene, sealing those areas can provide good and permanent protection. Fluoridation should be continued in all cases to protect the unsealed tooth areas from caries.





Storage: Immediately and carefully close the Unolux Seal/Unolux Seal F syringe/bottle after use. Remove the cannula of the syringe and attach syringe cap. Before next use of the syringe replace the direct application tip with a new one. Store Unolux Seal/Unolux Seal F at temperature between 4°C-23°C and protect from light. Do not use after expiry date.

This product is intended to be used as advised by the manufacturer. A non-exhaustive list of product use information is supplied on the packaging and product labelling. We hereby disclaim all liability associated with any complaints or events resulting in inadequate product performance, injuries or harm that may have been caused by the method or technique of using the product if the manufacturer's recommendations were not followed.

Presentation:

Unolux Seal - Transparent **REF** PSU010
2 x 3ml bottles sealant

Unolux Seal F - White with fluoride **REF** PSU020
2 x 2ml syringes sealant with application tips

 Keep dry	 Temperature Limit
 Keep away from sunlight	 Caution

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