

e-on® Glass Ionomer Base & Liner

Instructions for use

Carefully read instructions prior to use

e-on® Glass Ionomer Base & Liner is a light-curing glass ionomer composite cement for linings, extended fissure sealing and smaller lesions.

Contraindications:

e-on® Glass Ionomer Base & Liner contains BIS-GMA, diurethane dimethacrylate, BHT, glass ionomer powder. Do not use in case of patients with known allergies against these ingredients.

Indications:

- lining under amalgam and composite fillings, inlays
- extended fissure sealing
- restoration of smaller lesions

Method of use:

1. Prepare the cavity according to the rules of the filling technique. Tooth surface should be carefully dried. Avoid contamination.
2. Cover areas in proximity of the pulp with a calcium hydroxide preparation.
The dentin should be insulated with a bonding agent, especially when the cavity is not totally surrounded with enamel.
3. Put the required quantity of **e-on® Glass Ionomer Base & Liner** directly from the syringe onto the instrument (no mixing). Avoid contamination resp. disinfect after use. In case of linings of more than 1 mm, apply and cure layer by layer.
4. Conventional curing lights can be used to light-cure this material. The light output should be a minimum of 500 mW/cm² on halogen curing lights and 300 mW/cm² on LED curing lights. Light guide should be positioned as close as possible to the surface (approx. 2 mm). Cure for at least 20 seconds. In case of greater distance, extend curing time.
5. Remove excessive cement carefully with a rotary instrument and apply the filling according to the manufacturer's directions.

Precautions:

- **e-on® Glass Ionomer Base & Liner** adheres to materials such as crown and bridge material, temporary fillings on methacrylate basis, certain impression materials (e. g. polyether), which could lead to damage or removal of the lining. In these cases, apply an insulating agent.
- Due to the extreme stability of **e-on® Glass Ionomer Base & Liner** in cured condition, it is not possible to remove excessive material with a probe. The entire lining could be loosened (a rotary instrument should be used).
- Preparations for pulp protection resp. dentin insulation should cure resp. dry prior to the application of **e-on® Glass Ionomer Base & Liner** (see instructions

for use of these products), in order not to reduce the adhesion to dentine.

- Do not expose **e-on® Glass Ionomer Base & Liner** to direct light (operation lamp, daylight) after taking out and apply without delay.
- Eugenol or other substances (e. g. thymol) impede the setting reaction of **e-on® Glass Ionomer Base & Liner**, therefore avoid any contact to these materials.
- Too short curing times or insufficient luminous intensity could also lead to incomplete curing. Therefore, check the curing light and light guide regularly.

Storage:

Store **e-on® Glass Ionomer Base & Liner** tightly closed and light-protected at room temperature (4°C - 23°C / 39°F - 73°F). Storage in refrigerator will prolong the shelf life. The material must reach room temperature prior to use. Do not use after expiration date.

This material has been developed solely for use in dentistry. Processing should be done strictly according to the instructions for use. Benco Dental recognizes its responsibility to replace products if proven to be defective. Benco Dental does not accept liability for any damage or loss, directly or indirectly, stemming from the use of or inability to use the products described. Before using, it is the responsibility of the user to determine the suitability of the product for its intended use. The user assumes all risk and liability in connection therewith. Descriptions and data constitute no warranty of attributes and are not binding.

CAUTION: U.S. Federal Laws restrict this device to sale by or on the order of a dentist.

No person is authorized to provide any information which deviates from the information provided in the instructions for use.

**Keep this material out of reach of children.
For dental use only.**

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