

VOCO

Grandio Seal



Instructions for use
in accordance with EN 26874

Grandio® Seal is a light-curing, highly filled, fluoride-containing nanohybrid fissure sealant with outstanding mechanical properties. **Grandio® Seal** contains 70% w/w inorganic fillers in a methacrylate matrix (Bis-GMA, TEGDMA) and cures under blue light (halogen or LED).

Indications:

- sealing/filling of pits and fissures
- sealing/facing of damaged enamel surfaces
- covering of caries predilection sites during orthodontic treatment
- sealing of deciduous teeth

Method of use:

Fissures should be sealed as early as possible, as soon as the eruption of the tooth allows treatment and moisture control is possible. After isolating the operating site, thoroughly clean the surfaces to be sealed (rotating brush/cleaning paste free of fluorides), spray and dry. In case of incipient carious lesions or unclear diagnosis, extend the fissure with a fine instrument, if necessary.

Etching:

Apply **Vococid** etching gel (or liquid) (blue colour for control), work in with a short-haired disposable brush and let it act for 15 - 30 s according to the condition of the enamel. Thoroughly spray and dry. The etched enamel should have an opaque and matt-white appearance (avoid contamination at all costs!). Follow the **Vococid** instructions for use.

Application:

Remove the protective cap from the syringe. Screw a new cannula onto the **Grandio® Seal** syringe.

Grandio® Seal flows homogeneously from the cannula upon medium pressure and thus is very easy to dispense accurately. Apply **Grandio® Seal** from the margin into the fissure or cavity and allow it to penetrate for 15 - 20 s. Remove any air bubbles with the fine cannula.

In order to ensure the function of the non-dripping syringe do not pull back the plunger during or after use.

Light-curing:

Polymerise **Grandio® Seal** for 20 - 30 s per surface and check the sealing. Conventional polymerisation devices are suitable for light-curing this material. The light output should be at least 500 mW/cm² on halogen polymerisation devices and 300 mW/cm² on LED devices. Re-seal undercuts, remove excess cautiously (e.g. finishing diamond), polish if necessary (rubber polisher). Then apply a fluoride varnish on the treated and neighbouring teeth.

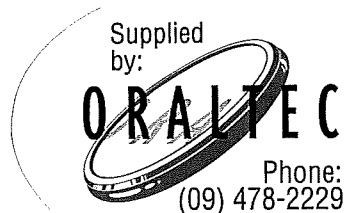
Storage:

Remove the cannula after use and carefully close the syringe immediately. Store **Grandio® Seal** away from light at temperatures between 4°C and 23°C.

Warnings and precautions:

- An operating site which cannot be kept sufficiently dry involves the risk of a (partial) premature loss of the sealing. In such cases, the application of a fluoride varnish or sealing with a glass polyalkenoate cement is recommended until perfect sealing is possible.
- If the etched surface is contaminated (e.g. by saliva), the adhesion of **Grandio® Seal** may be reduced. In case of contamination, clean and etch again for approx. 10 - 20 s, spray and dry.
- Adhesion can be increased by using a bonding agent after etching (e.g. in case of difficult moisture control/extended sealing). Follow the bonding agent manufacturer's instructions for use. Then apply **Grandio® Seal**.
- Only expose **Grandio® Seal** to the operating light for a short time as otherwise polymerisation will start (viscosity increases).
- Check the sulcus after application and remove residues of material.
- **Grandio® Seal** contains aromatic and aliphatic dimethacrylates as well as BHT. Do not use on patients with hypersensitivities. Avoid contact with the mucosa as far as possible. Do not use cleaning or drying agents containing phenolic substances (e.g. eugenol, thymol) as they inhibit complete polymerisation.
- Carious lesions (e.g. around fillings) can be stopped by appropriate sealing if renewal of the filling is not desired or possible. For this purpose, clean the areas affected, prepare as minimal as possible and etch in the enamel area. In such cases, sealing of the complete filling is recommended.
- In the case of orthodontic treatment in areas of reduced oral hygiene, sealing these areas can provide good and permanent protection. Fluoridation should be continued in all cases to protect the unsealed tooth areas from caries.
- Do not use **Grandio® Seal** after the expiry date.

Our preparations have been developed for use in dentistry. As far as the application of the products delivered by us is concerned, our verbal and/or written information has been given to the best of our knowledge and without obligation. Our information and/or advice do not relieve you from examining the materials delivered by us as to their suitability for the intended purposes of application. As the application of our preparations is beyond our control, the user is fully responsible for the application. Of course, we guarantee the quality of our preparations in accordance with the existing standards and corresponding to the conditions as stipulated in our general terms of sale and delivery.



Available from ORALTEC NZ LTD - Phone 0508-478-222