Workflow Temporary Cementation

Notice!

Please refer to Telio Link instructions for use for details.

Telio Link has been designed to remain in the mouth for a maximum of 6 weeks.

To achieve a sufficient bond to the temporary restorative material, it is recommended to sandblast the surface or roughen it with a coarse diamond bur. Clean the restoration in an ultrasonic unit, thoroughly rinse with water spray and dry with oil-free air.

Interactions

To prevent Telio Link from permanently adhering to composite-based core build-up material, freshly placed and prepared composite cores should be coated with a thin layer of separator. Water-soluble glycerine gel (e.g. Liquid Strip) may be used for this purpose. If dentin adhesives or protective varnishes are used after preparation, subsequent isolation with petroleum jelly or glycerine gel is required.

Application

To reduce dentinal hypersensitivity and postoperative sensitivity, a desensitizer should be applied according to the manufacturer instructions before temporary cementation.

Application of Telio Link:

1. Remove the cap of the double-push syringe and attach a mixing tip to the syringe. The material may be directly applied to the provisional restoration
2. Spread a layer of Telio Link over the dry inner surfaces of the provisional restoration and/or the prepared, cleaned and dried tooth surfaces. The working time is approx. 2.5 to 3 minutes at a room temperature of 23°C/73°F.
3. Seat the provisional restoration with firm but light pressure. Excess cement can be removed using different methods.
   a. Removal of excess with additional light-activation (quarter technique)
   Light-cure excess material with the polymerization light (e.g. Bluephase® Power Cure, PRE-mode) for 2–4 seconds per quarter surface (mesio-oral, disto-oral, mesio-buccal, disto-buccal) at a distance of approx. 0–10mm. Following this, the excess material can be easily removed with a scaler as it features a viscoplastic consistency. Subsequently,light-cure all margins again for 10 seconds (>1000mW/cm²; e.g. Bluephase PowerCure, HIP mode).
   b. Removal of excess in the unpolymerized state
   Remove uncured excess material immediately after seating using a microbrush / brush / foam pellet / dental floss or scaler. Subsequently, wait until the self-curing process is finished (approx. 3 minutes) or accelerate the polymerization process by light-curing the cement layer with a curing light (light intensity > 1000 mW/cm², e.g. Bluephase Power Cure, HIP mode) for 10 seconds per aspect.
   c. Removal of excess in the polymerized state
   Approx. 3 minutes after having seated the restoration, remove excess material carefully with a scaler or other instruments.
4. Final cure is finished after 4 minutes at a temperature of 37°C/98°F. Exposure to light will accelerate the curing process.
5. Leave the used mixing tip on the syringe. It will serve as a seal until the next use!

Special notes
To ensure an easy clean-up and complete removal of excess, we recommend holding back the lip or cheek surfaces during the setting process, to prevent the excess material from spreading out into a thin layer.

During the self-curing process, the patient should not exert any pressure on the provisional restoration.

Working time
Approx. 2.5 to 3 minutes at a room temperature of 23°C/73°F.

Self-curing time
Four minutes at a temperature of 37°C/98°F. Exposure to light will accelerate the curing process.