

Instructions for use combo.lign



Before using the product, please read these instructions for use carefully.

1. Indication range

1.1 Product description

combo.lign is a PMMA luting composite (cement) for luting prefabricated veneers (novo.lign A and P) and PMMA-based teeth to metal frameworks or metal carriers. combo.lign is a dual-hardening cement which hardens (self hardening) automatically or is light-cured at a suitable wavelength (370 to 500 nm). It is a two-component material and available in an 8g cartridge in VITA shades A-D. combo.lign is suitable for fixed and removable restorations and designed for oral and extra-oral processing. Accordingly, combo.lign is also suited for repairing fixed and removable restorations.

1.2 Indication

Luting of prefabricated veneers and PMMA-based teeth to

- Telescopic and conical crowns (cover denture)
- CoCr structures
- Metal frameworks (faced crowns, faced bridges)

2. Processing

2.1 Conditioning of metal frameworks

The metal framework is sandblasted with 110 µm aluminium oxide at a pressure of 3 to 4 bars (surface enlargement). Then the surface is wetted with Primer II from GC (bonding agent for bonding composite to metal) and cleaned with steam (Note: adhere to the processing instructions for Metal Primer III!) After conditioning the metal, apply the respective shade of Gradia opaque from GC (light-cured composite system) and polymerize (harden). (Note: adhere to the processing instructions for Gradia!)

2.2 Conditioning the PMMA veneer

For conditioning, the veneer is sandblasted with 110 µm aluminium oxide at a pressure of 2 to 3 bars (roughen, enlarge the surface). Then the surface is wetted with the light-curing PMMA primer visio.link (Order No. VLPMMMA10) and hardened subsequently in the light polymerization unit (e.g. 90 seconds with UniXS (Heraeus Kulzer) in accordance with the instructions for use for visio.link.

2.3 Using combo.lign to lute the veneer to the metal framework

The selected tooth shade of combo.lign is applied to the conditioned metal framework after the opaque has been applied and to the conditioned veneer. A 25 mm long mixing cannula (Order No. 580 003 8) must be used to achieve uniform mixing of both components. Fix the veneer on the metal framework (press onto the framework and position), remove excess material and polymerize subsequently using a light-curing unit. It is recommended to polymerize for 180 seconds using light-curing units such as DentacolorXS or UniXS from Heraeus Kulzer (information about other polymerization units, see section 2.4).

Note:

After the application of combo.lign, approx. 5 to 6 minutes of processing time will remain for corrections or adjustments (measured at a room temperature of 20° C) before combo.lign hardens chemically. Self-curing (hardening) is completed after 10 minutes. To retain the maximum stability of combo.lign, we generally recommend curing with light.

Note: combo.lign is hardened with light. To avoid premature hardening of the cement, we recommend to avoid direct exposure to daylight, daylight lamps or workplace lamps as far as possible.

2.4 Light-curing units and curing (polymerization) times

Different light sources are used in light-curing units (dental laboratory and practice). Light sources are required which cover a wavelength range of 370 to 500 nm; LED light-curing units are not suitable.

3. Durability and storage

If proper storage between 4 to 24 °C is ensured, combo.lign features a shelf life of 2 years. combo.lign must be protected against heat and sunlight. Do not use the product after the expiration date.

4. Safety recommendations and hazard warning

combo.lign is composed of various acrylate oligomers, fillers (e.g. dental glass powder), catalysts and color pigments. Sensitization may be caused in susceptible persons. In case of allergic reactions or known allergies to any of the constituents, such as resins based on (meth-) acrylates, the product should not be used. Avoid skin contact! In case of contact with eyes or extended contact with the oral mucosa, rinse immediately with copious amount of water.

5. Additional information

The information contained in these instructions for use is always updated according to the latest knowledge and experience. Therefore we recommend reading the instructions for use again before using a new package. These non-binding user recommendations are based on our own experience. The user himself is responsible for processing the product. Liability for incorrect results shall be excluded since bredent does not have any influence on further processing. Any occurring claims for damages may only be made up to the value of our products.