

VITA Teeth

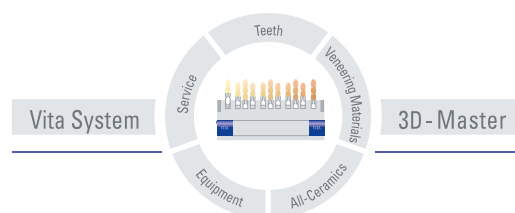
VITACOLL[®]/VITAFOL[®] H

Optimal processing guaranteed



Working instruction

Date of issue: 11-06



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Optimal processing guaranteed

The processing of acrylic and ceramic teeth is part of the daily routine in a dental laboratory. However, little time is spent on thinking how this technique can be handled more easily, efficiently and safely.

This brochure aims to provide you with some information and tips that have proven to be useful in daily practice:

VITAFOL® H

Silicone separating material to protect acrylic and ceramic teeth during the production of restorations

1. VITAFOL® H serves to protect acrylic and ceramic teeth. Extremely accurate modellations of the gingiva margin can be retained and areas that are covered with VITAFOL® H remain clean and do not need to be finished.
2. Areas that are covered with VITAFOL® H do not require to be separated towards the plaster material. Accordingly, no separating agent can reach the basal surfaces of the teeth. In the case of acrylic teeth, a separating layer between teeth and base material can be avoided.
3. Damage during pressing and devesting is avoided through the buffer effect of VITAFOL® H.

VITACOLL®

Adhesive agent for acrylic teeth

Due to the use of various base materials it is often difficult to determine whether these materials form a perfect bond to the available acrylic teeth. It is essential that the requirements of ISO 3336 – 1993 (E) be fulfilled. Through the use of VITACOLL® the required reliability is guaranteed. Correct preparation and processing of the teeth, however, are of utmost significance when producing the denture.



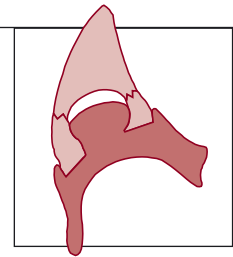
VITAFOL® H with adhesive crystals

Ensures reliability and saves time during the processing of prefabricated teeth. If VITAFOL® H is used, the teeth will be protected during devesting, interdental spaces remain clean and gingiva modellations will be retained.

The following assortments of VITAFOL® H are available:

- *Normal assortment* with paste (25 ml), hardener liquid (5 ml), adhesive crystals (80 g), mixing block and brush for approx. 35 dentures with 14 teeth
- *Laboratory assortment* with paste (70 ml), hardener liquid (15 ml), adhesive crystals (80 g) and brush for 100 dentures with 14 teeth
- *Large assortment*, containing 3 laboratory assortments

1. The teeth should be roughened at the basal surface and retentions should be attached. Best stability results can be achieved by attaching groove retentions (grinding tool, groove bur, shape 108). Since the air in the retention holes can not escape during pressing, the cavities would only be partly filled with base material. This would result in considerable weakening of the tooth body so that the tooth might break even with minimal stress.



Wrong!

2. The teeth must be free from wax residues and separating agent.

The use of VITACOLL® is recommended for hot-curing resins; for self-curing resins it is obligatory. For modern self-curing resins partial solution of the tooth material with VITACOLL® is absolutely required since there are base materials which might not form a bond to modern acrylic teeth without VITACOLL®.

Processing


Using a brush, VITACOLL® is applied onto the rough basal surfaces of acrylic teeth to which retentions have been attached. The liquid must be allowed to act for at least 5 minutes. If the wetted surfaces does not have a wet gloss after this time, VITACOLL® must be applied again. After the exposure time, the base material must be applied within 10 minutes since the efficiency of the adhesive agent will be lost after this time.

Additional processing information

Acrylic teeth must not come in contact with the flame (bunsen burner). For example, when smoothing the modelling wax. Even if it is not immediately visible, white discoloration at raised points of the teeth (cusps and incisal edges) will occur after completion. At these points the surfaces of the acrylic has been destroyed. During completion, water that escapes from the plaster reaches the porosities. In situ discoloration may be found at these points. Therefore a flame with reduced heat, e.g. a small spirit flame can be used to smooth the wax after waxing-up.

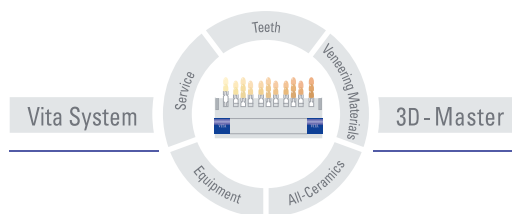


VITACOLL® adhesive agent between acrylic teeth and base material

VITACOLL® ensures reliable chemical bonding of acrylic teeth to hot-curing and cold-curing resins as well as poly-methacrylate injection-moulding materials and thus avoids breaking of the teeth out of the base. Previous roughening of the basal surface of the teeth is sufficient. Perforated retentions should not be used since they weaken the teeth. Please observe the processing information of the manufacturers of base materials. VITACOLL® has been certified and bears the mark  0124.

Supply form: bottle containing 100 ml

With the unique VITA SYSTEM 3D-MASTER®
all natural tooth shades are systematically
determined and completely reproduced.



Please note: Our products should be used according to the working instructions. We cannot be held liable for damages resulting from incorrect handling or usage. The user is furthermore obliged to check the product before use with regard to its suitability for the intended area of applications. We cannot accept any liability if the product is used in conjunction with materials and equipment from other manufacturers which are not compatible or not authorized for use with our product. Furthermore, our liability for the correctness of this information is independent of the legal ground and, in as far as legally permissible, is limited to the invoiced value of the goods supplied excluding turnover tax. In particular, as far as legally permissible, we do not assume any liability for profit loss, for indirect damages, for consequential damages or for claims of third parties against the purchaser. Claims for damages based on fault liability (culpa in contrahendo, breach of contract, unlawful acts, etc.) can only be made in the case of intent or gross negligence. Date of issue of these directions for use: 11-06.



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