FINO AUTOBOND

Attachmentbond, gold and dentin A1 / A2

REF **37690**

REF **37803**

ENG Processing instructions

1 Intended purpose

Attachment adhesives (glues) are self-curing two-component composites for dental application. They compensate for the different behaviour of the bonded materials under thermal and mechanical loads. These products are used for the permanent adhesive bonding of telescopic crowns, conical crowns, or prefabricated retaining elements to a cast framework.

2 Description of product and users

2.1 Brief description of product

Two-component composite for bonding denture retaining elements or telescopic and cone-shaped crowns and prefabricated retaining elements with the model cast. FINO AUTOBOND can be used to ensure a passive fit when bonding metal parts. It contains a high percentage of inorganic filling materials, guaranteeing high final hardness and the stability required for professional dental use.

2.2 Patient target group

All patients who have a telescopic and cone-shaped crown or prefabricated retaining element that is to be bonded to the model cast.

2.3 Users

The attachment adhesives are used by laboratory technicians in a dental laboratory and in the dental practice by dental professionals

3 Composition

Filling materials, BisGMA, 1,4-butanediol dimethacrylate, dibenzoyl peroxide

4 Indications

- Bonding denture retaining elements
- Bonding telescopic and cone-shaped crowns with the model cast
- Bonding prefabricated retaining elements with the model cast

5 Contraindications

Do not use in the case of a known allergy to one of the components.

6 Warnings

Important. Contains tetramethylene dimethacrylate, dibenzoyl peroxide. May cause an allergic skin reaction. May cause long lasting harmful effects to aquatic life.

7 Safety instructions

Avoid breathing vapours / spray. Wear protective gloves. If skin irritation or rash occurs: Get medical advice / attention.

8 Interactions with other medicinal products

Phenolic substances such as Eugenol inhibit polymerisation. Therefore, do not use any material containing these substances.
The dentist should consider known interactions and cross-reactions of the medical device with other materials already in the patient's mouth before using the product.

9 Application / preparation of FINO AUTOBOND

Processing of FINO AUTOBOND for bonding denture retaining elements or telescopic and cone-shaped crowns and prefabricated retaining elements with the model cast.

9.1 Preparatory work

9.1.1 Forming of bonding sites

The bonding surfaces must be retentive and stable. Ensure that a uniform, thin gap is left when positioning the secondary structure. This gaps ensures a passive fit and is filled in with FINO AUTOBOND. With prefabricated retaining elements, undercuts should be made in the area to be bonded, and the manufacturer's instructions followed.

9.1.2 Preparation of bonding sites

Once a passive fit between the primary and secondary components has been verified, they have undercuts made and are blasted with aluminium oxide (max. 125 µm). Condition metal surfaces after drying off with a metal bonding system.

9.2 Mixing FINO AUTOBOND

Both components are automatically mixed together when the mixing tip is applied and the spindle pressed. The initial quantities of mix from the mixing tip should not be used for luting. Leave the used mixing tip in place to seal the syringe.

9.3 Application of FINO AUTOBOND in the laboratory

FINO AUTOBOND is applied to clips (matrix and patrix) using a spatula. The metal components are reduced and fixed to the cast with a passive fit. Ensure that the bonding sites are completely filled with FINO AUTOBOND and there are no signs of voids or contamination. The object must not move from the time setting starts to curing.

9.4 Application directly onto patient

FINO AUTOBOND is applied to the parts to be bonded using a spatula. The metal components are reduced and fixed in the mouth with a passive fit. The object must not move from the time setting starts to curing.

10 Notes on processing

- FINO AUTOBOND is dimensionally stable up to 120°C.
- FINO AUTOBOND can be milled without difficulty.
- Setting times are shorter at higher temperatures and longer at lower temperatures.

Processing in the laboratory

- Processing window from start of mixing: approx. 3 min
- Setting begins: approx. 4:30 min
- Setting ends: after approx. 8 min

These figures apply at a room temperature of 22°C.

Processing in the mouth:

- Processing window from start of mixing: 45 sec
- Setting begins: approx. 1 min
- Setting ends: after approx. 1:30 min

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11 Troubleshooting / FAQ List

Fault	Cause
Processing time too short	Environments that are too hot, summer temperatures or artificial heating reduce processing time.
Processing time too long	Using directly out of the refrigerator delays curing.
Insufficient curing of material	Substances that contain Eugenol/wintergreen oil prevent polymerisation. They stop the product from mixing properly. Please use the original mixing tip.
Material cured	Cap replaced after use instead of leaving the mixing tip on the syringe (contamination of component A+B)
Structure does not fit exactly	Structures were moved before setting Material already set too fast: Please glue fewer parts at a time.

12 Storage and handling information

Store in the refrigerator at 3°C – 9°C. Allow to warm up to room temperature before use.

13 Shelf life

The maximum shelf life is printed on the label of each syringe. Do not use after the expiry date.

14 Side effects

With proper preparation and use of this medical device, adverse effects are extremely rare. However, immune reactions (such as allergies) or local discomfort cannot be ruled out completely. All serious incidents which occur in connection with the use of this product are to be reported to the manufacturer indicated below and the competent authority in each case.

15 Instructions for disposal:

Leftover quantities and packaging materials are to be disposed of according to the local and/or statutory regulations.

CE 0297

MD Medical Device

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