

DEAR PRACTITIONER,

We are pleased that you have decided to use MEMOTAIN®. We would like to provide you with a step by step bonding instruction for a clinically correct transfer of the MEMOTAIN® retainer.

Information regarding the upper jaw: After fixing the MEMOTAIN® use an occlusion film to check, check whether there are any early contacts on the bonding surfaces and remove them.

What types of composites are recommended? Both high-filled and low-filled composites can be used to attach a MEMOTAIN® retainer. It is important to ensure that the transition from the bonding surface to the natural tooth is as smooth as possible.

Low-filled composites (flow): These composites leave the patient with a noticeably smooth and comfortable surface.

High-filled composites: Although this composites is more resistant to abrasion than flow due to the higher proportion of filling material, the tongue perceives high-filled composites as rougher. This feeling of roughness can be reduced by applying a layer of bonding afterwards.

Additional information: When making a lingual retainer, please note that you should carefully remove the old bonding surfaces before taking the impression.

Kind regards,

Dr. Pascal Schumacher



MY TIP

MATERIAL RECOMMENDATION FROM DR. PASCAL SCHUMACHER (in order of use)

- **Sandblasting machine:** Micro Etcher from AD Systems
- **Aluminium oxide:** 50µm from RØNVIG Dental (important for ceramic and metal surfaces)
- **Etching gel:** 37% phosphoric acid from Henry Schein (REF 5722603)
- **Hydrofluoric acid:** Porcelain etch from Ultradent REF/UP 405 (for ceramic surfaces)
- **Bonder (Primer):** Assure® Plus from Reliance Orthodontics (for all surfaces)
- **Composite:** Venus Diamond Flow from Kulzer



CA DIGITAL -
your partner for digital orthodontics

CA DIGITAL GmbH
Walder Straße 53
40724 Hilden
Telephone: +49 2104 80041-00
Fax: +49 2104 80041-99
info@ca-digit.com
www.ca-digit.com



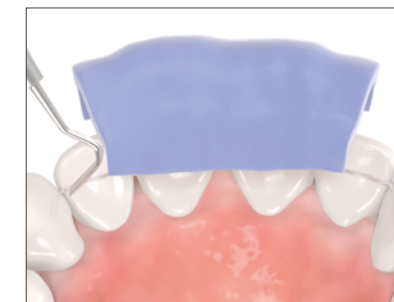
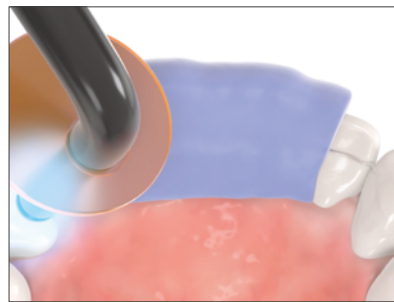
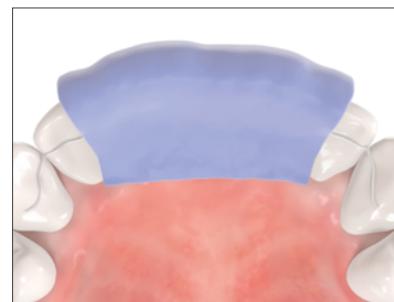
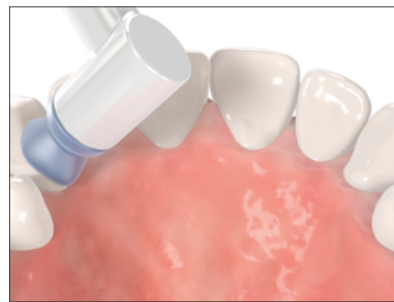
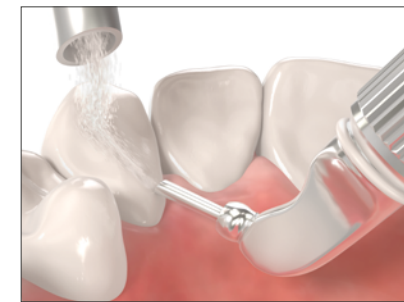
MEMOTAIN®
BONDING INSTRUCTION

BONDING INSTRUCTION

MEMOTAIN®

QUALITY INSPECTION:

Always check the fitting accuracy of MEMOTAIN® on the supplied working model before insertion. It can also be helpful to use our enclosed positioning document.



1.

SANDBLASTING

Before inserting the MEMOTAIN® retainer, the lingual surfaces of the teeth must be cleaned thoroughly. First remove plaque with an ultrasound device (polishing pastes are not suitable).
Tip: The additional use of a sandblaster or AirFlow® improves the longevity of the bonding surface.

2.

CLEANING

Then remove plaque with a polishing brush and finally polish with the rubber cup.

3.

ETCHING, RINSING AND DRYING

Etch all affected teeth with 37% phosphoric acid. Please note the general application time of the manufacturer! Rinse off the etching gel thoroughly after the specified application time.

4.

PRIMER

Please ensure that the lingual surfaces are kept dry during the bonding process. The use of DryField® or other aids for tongue shielding ensures perfect results. Now apply the bonder (primer) to the lingual surfaces to be treated. Please note the application time and curing time of the manufacturer!

5.

TRANSFERRING

Place the transfer cap together with MEMOTAIN® in the patient's mouth. Carefully guide the transfer cap over the cutting edges and check the general fit after application.

6.

BONDING AND LIGHT-CURING OF THE ANCHOR TEETH

Apply the composite to the anchoring teeth and mould them with a fine probe. The bonding surfaces should be wide and flat. In doing so, the layer thickness must never be less than 1 mm. Then harden the bonding surfaces with a UV lamp.

7.

REMOVING THE TRANSFER CAP

For perfect removal of the transfer tray, attach a suitable instrument so that the MEMOTAIN® is fixed (ligature adapter, Heide-mann spatula or probe) while carefully removing the transfer cap.

8.

BONDING AND LIGHT-CURING OF THE REMAINING TEETH

Repeat Step 6 for the remaining teeth. Beware of and check if there are any potential early contacts in the upper jaw.

✓

THE PERFECTLY FITTED MEMOTAIN® RETAINER!

Finally, and where necessary, use a probe to check whether the plastic has enclosed the retainer evenly everywhere. In addition, with OK retainers, you can check whether there are still contacts in the bonding surface and polish them away if necessary.