

Hard Relining Material for Dentures

Oxford Reline HARD System consists of the two components Oxford Reline HARD and Oxford Prime HARD:

Oxford Reline HARD is a cold-curing hard relining material. Oxford Reline HARD is delivered in AUTOMIX cartridges for direct and indirect use. Oxford Reline HARD is suitable for application on all synthetics based on polymethylmethacrylate and for a fast and easy fabrication of permanently hard relinings; chairside or indirect use in the dental laboratory.

Oxford Prime HARD is a bonding agent between Oxford Reline HARD and the denture.

1. Preparation of the Denture

Check the occlusion and make corrections if necessary. Clean the denture thoroughly and dry.

Roughen all areas to be relined incl. the borders with a suitable bur. Clean and dry the denture.

Insulate all areas not to be relined with e.g. Vaseline.

Note:

Anchors, clasps and attachments of partial dentures have to be blocked out with easy flowing silicone or wax with low melting point.

2. Applying Oxford Prime HARD for Adhesion

Apply Oxford Prime HARD uniformly and completely onto the grinded and cleaned denture areas to which the material has to adhere. Let the primer dry for approximately 15 seconds. Do not touch the sticky layer.

After use close the bottle immediately.

Oxford Prime Hard is only for extraoral application.

3. Preparing the cartridge

First Scientific Dental Materials GmbH only recommends for Oxford Reline HARD the use of mixing cannulas type Oxford Mix Tip(S), Automix 4:1/10:1.

Remove the cap of the AUTOMIX-cartridge and throw it away (**do not use it again!**). Bleed the AUTOMIX-cartridge before applying the mixing cannula. Gently press the plunger until both components (base and catalyst) begin to flow out evenly. Attach a 10:1 mixing cannula. Make sure that the guidance of the AUTOMIX-cartridge is aligned with that of the mixing cannula and turn the cannula 90° clockwise until it locks in position. The application gun loaded with the prepared cartridge and is ready for application.

Note:

The initial extrusion from the mixing cannula (about the size of a pea) should be discarded. Then the following mix will be perfect. This must be done for each new mix.

Leave the used mixing cannula on the cartridge. It serves as a cap.

4. Relining of the Denture

Oxford Reline HARD has to be applied uniformly from the cartridge onto the borders of the denture and onto the denture base.

Avoid excess material or remove it with a suitable instrument.

After coating of the denture, **which has to be done for not more than 1:00 minute** (working-time at 23 °C or 74 °F) seat the rebased denture into the patients mouth and let him close in normal occlusion for approx. 30 seconds. Then let the patient carry out all functional movements for approx. 1.5 minutes.

Note:

When relining an upper denture, especially at the region from hard to soft palate (A-line), make sure that no material flows into the throat.

4.1. Partial and complete dentures with undercuts

Remove the denture approx. 2–2.5 minutes after the begin of application and remove excess material immediately with scalpel or scissors.

Re-insert the denture for a final occlusion and let the Oxford Reline HARD cure for approx. 2-3 minutes.

Alternatively complete curing of the rebased denture in warm water (e.g. in a hot cure polymerization device at 40°C)

4.2. Complete denture without undercuts

Remove excess material before final polymerization.

Intraorally:

Approx. 2–2.5 minutes after start of application remove excess material with a suitable instrument. For complete curing of Oxford Reline HARD let the denture cure for further 2-3 minutes in the mouth.

Extraorally:

Remove excess material and cure as described under 4.1.

The material builds under contact to air a small oxygen inhibition layer, that can easily be removed with alcohol.

4.3. Indirect Method in the Laboratory

Invest the denture to be relined into a flask with counter. Remove denture from the flask and prepare as described under point 1 and 2. Coat the model with an usual alginate based insulation. Extrude the required amount of Oxford Prime Hard from the cartridge as described under point 3 and apply it uniformly onto the denture area to be relined. The layer of Oxford Reline HARD should be approximately 1 mm more than the base material has been ground off.

Close flask with counter. Press with light pressure for approximately **30 minutes** (at 23 °C or 74 °F) or place flask in a pressure pot at **40-45 °C (104-113 °F)** for approximately **10 minutes**. Then deflask the relined denture and trim and polish as described under point 5.

5. Finishing of the Denture

After final hardening, modify and polish the denture with suitable instruments.

Do not breathe polishing dust; use suitable mouth protective device or aspiration!

6. Precautions

Oxford Reline HARD is free of methyl methacrylate but contains other methacrylates.

With susceptible patients, sensitization to Oxford Reline HARD cannot be excluded. Oxford Reline HARD should not be used any more, if allergic reactions are observed. Do not use for patients with allergic reactions against acrylates.

Avoid contact with skin, mucous membrane and eyes

If the material comes into contact with skin, immediately wash with water and soap. If the material comes into contact with eyes, immediately rinse with copious amounts of water and seek medical advice if required.

7. Storage

Do not store above 25 °C (77 °F). Do not use after expiration date (see expiration date on label/packaging).

Warranty

First Scientific Dental Materials GmbH warrants this product will be free from defects in material and manufacture. First Scientific Dental Materials makes no other warranties including any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining the suitability of the product for user's application. If this product is defective within the warranty period, your exclusively remedy and First Scientific Dental Materials' sole obligation shall be repair or replacement of the First Scientific Dental Materials product.

Limitation of Liability

Except where prohibited by law, First Scientific Dental Materials GmbH will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability.

Keep away from children!

For dental use only!

Caution:

Federal law restricts the sale of this device to or by the order of a dentist.



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