

Bones and tissues in your mouth change over time. In fact, once your natural teeth are extracted, the bone that once held them in place begins to resorb (shrink). Since dentures require a tight fit against your gum tissue, it's important to adjust the denture base to keep up with this shift.



Poorly fitting dentures can also contribute to the problem by wearing down the bone and soft tissues in your mouth more quickly. Relining dentures helps minimize this erosion, as well as compensate for natural oral changes.

Garreco Soft Reline Material is a high-quality permanent soft reline material. Placed in a new or old denture, it helps to improve the health of gum and tissue by absorbing some of the pressure of mastication (acts as a tissue-conditioning material) and helps to provide the maximum retention possible by utilizing undercuts in the bone and gum which hard liners may not be able to provide without causing irritation.

Step-by-Step Guide

1. Preparation of the Denture

The base of the denture has to be ground sufficiently to eliminate any fat or microbiological particles that have infused into the denture over time. Grind off the denture base approximately 1–2 mm. Incorporate at the lingual

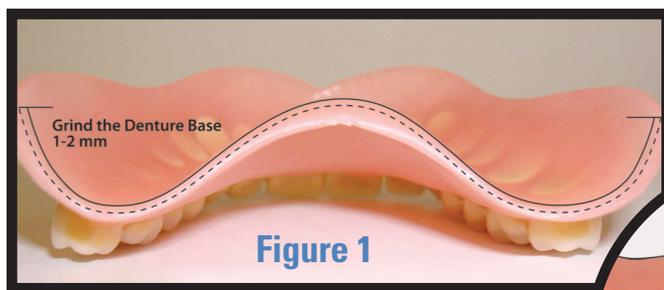


Figure 1

vestibular and dorsal borders a shoulder of approximately 2–3 mm in height with a minimum depth of 1 mm. Round off the borders and clean the denture thoroughly. All traces of grease have to be removed with alcohol and allowed to dry. The soft reline adhesion may be inhibited or contaminated by sulfur products including powder residue from latex gloves. If latex gloves are used they should be “powder-free”.

See **Figure 1** and **Figure 2** for illustration.

2. Applying Soft Reline Primer for Adhesion

Apply the Soft Reline Primer uniformly and completely onto the ground and cleaned denture areas to which the soft reline material has to adhere.

Important Key Tip: Apply enough primer on all areas of the surface that are being relined. It is better to place a thick layer because the solvent component in the primer evaporates and leaves an excellent prepared surface for the Soft Reline Material. Do not apply a second coat of the Soft Reline Primer.

Let the primer dry for approximately 1 minute.

After use, close the bottle immediately to prevent contamination. Saliva, humidity, or monomer liquids prevent the adhesion of the primer to the denture base. Do not touch the freshly layered soft primer surface with your fingers.

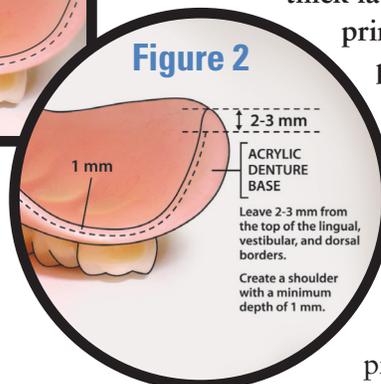


Figure 2

3. Gun and Cartridge

Mount the cartridge into the application gun. Remove and dispose of the cartridge closure cap. For precise flow control, extrude a small amount of material until uniform flow from both orifices is achieved. Install the mixing cannula onto the cartridge and extrude the material as needed.

Important Key Tip: Store the used cartridge with the used mixing cannula attached.

Do not reuse the cartridge cap. Closing the cartridge by reusing the cap between cases could cause setting at the neck of the cartridge, rendering it unusable. Keeping the mixing cannula attached to the cartridge after use allows the material to harden in the mixing cannula and not in the neck of the cartridge. The used cannula can be removed and a new cannula attached when a new soft reline case presents. There are six disposable cannula supplied with each Soft Reline Material Kit.

4. Relining of the Denture

Indirect Method in the Laboratory - Make a model of the denture to be relined. Remove denture from the flask and prepare as described in sections 1 and 2. Coat the model with a usual separating medium. Extrude the required amount of Soft Reline Material from the cartridge as described in section 3, applying uniformly onto the denture area to be relined.

Important Key Tip: The layer of Soft Reline Material should be approximately 1 mm more than the base material has been ground off.

Place the relined denture back in the flask under 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 in sections 5 and 6.

5. Trimming of the Denture

Smoothing of uneven spots: Remove excess material with a sharp scalpel or fine scissors. Then smooth rough areas and borders with a suitable grinding instrument such as a fine finishing bur with approximately 8000 r.p.m. under low pressure. Specially designed tools are available for finishing and polishing. Call your Zahn Prosthetic Specialist for more information.

6. Final Step: Apply Soft Reline Varnish

Mix the Soft Reline Varnish and the Soft Reline Varnish Catalyst in a 1:1 ratio.

Important Key Tip: Drop 5 drops from the Soft Reline Varnish Base and 5 drops from the Soft Reline Varnish Base Catalyst in a mixing well, (supplied with the kit) and mix together with a spatula to a homogeneous mix.

Paint on the mixed Soft Reline Varnish liquid with a smooth brush (disposable brushes are included in the kit). Brush on lightly to avoid “waves” in the surface. Allow to dry at room temperature for 5 minutes.

7. Cleaning Hints for the Patient

Brush the relined denture a minimum of twice a day under running water

with a toothbrush and a soft mild cleaning solution with a neutral pH.

The Garreco Soft Reline Material Kit contains a 50 mL cartridge of Soft Reline Material and enough accessories to reline approximately 10 dentures (uppers or lowers) or approximately 20 partials.

