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## A Quick & Accurate Way to Reline & Strengthen Dentures, Using Diamond D® Ultra Impact Denture Acrylic.

- 1) Pour stone to reline impression.
- 2) Invest lower 1/2 in a flask as you would a new processing.
- 3) When lower 1/2 is set, cover the denture with lab putty (fig. 1) of your choice making sure to leave the cusp tips (A) and incisal(A) edges slightly exposed through the putty.
- 4) While putty is soft, impress some undercut indentations (B) to lock the putty into the second pour (cap) of stone. Pour cap.

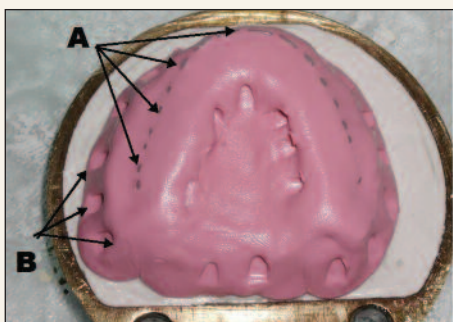


fig. 1



fig. 2



fig. 3

- 5) Once set, heat soak flask for about 10 minutes in boiling water to allow opening the flask.
- 6) Open, remove denture (fig. 2), wash out mold with boiling water and an emollient free solution (ie; **Ultra Wash**).
- 7) Remove reline impression material from denture. If the material used for reline impression is tissue conditioner or temp. soft liner, use a **Z-Bur** to remove the material (fig. 3). Hollow design of bur and slow speed will eliminate clogging and most of the spatter associated with removing this type of material.
- 8) Final hard acrylic finishing is accomplished with carbides of choice. Smooth butt edges, uniform removal of border length, and adequate removal of old and plasticized resin and transitional layer (fig. 4) if applicable.
- 9) Reinsert denture into upper 1/2 of flask. Use Diamond D Ultra Impact Heat Cure Denture Acrylic polymer and monomer for your acrylic of choice because of its superior outstanding strength and adhesion capabilities. Follow the heat curing instructions and choose correct shade from a Diamond D shade guide. When packing, fill mold short-long. Overfilled mold will cause flashing on the facial aspect of denture. Indication of correct fill is a slight flash at the border and land area of flask.
- 10) Cure denture in traditional heat cure manner, and polish final.

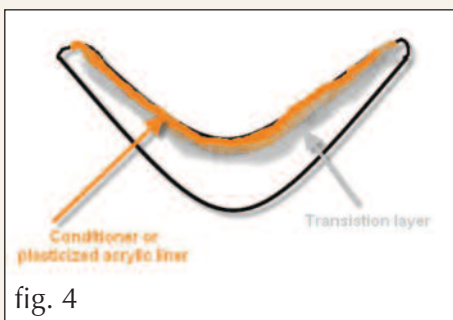


fig. 4



Because of both the phenomenal strength of the Diamond D Ultra Impact Heat Cure Denture Acrylic\* and the extraordinary bonding to other acrylic the Diamond D exhibits\*\*, the heat cure reline of a denture using this method described by Tom Zaleske\*\*\* can impressively add to the fracture resistance of the denture being relined.

\*See Notched Izod Impact testing results from the three tests performed at Bodycote Polymer Broutman Testing Laboratory [www.bodycote.com/](http://www.bodycote.com/) on 05/22/03, 12/05/05, & 10/09/06.

\*\*See Diamond D Testimonial Page.

\*\*\*Tom Zaleski has 20+ years of experience specializing in removable prosthetics. In that time he has practiced as an in-house technician, as well as a one technician laboratory. He holds an AS in dental technology from Triton College, and is a published author, lecturer, and consultant. He can be reached at [matrixdental@comcast.net](mailto:matrixdental@comcast.net) or visit his website at [www.matrixdentallab.com](http://www.matrixdentallab.com).