

Diamond D Auto-Polymerizing Self Cure Denture Repair/Reline Resin

Storing:

Store at normal room temperature (60°- 80°F). The liquid (monomer) may polymerize prematurely if stored at excessively high temperatures.

Directions for Use: (General Recommendations)

To Prepare Repair Areas: *

Using splints and sticky wax to hold the fractured parts of the denture in place, pour the stone cast. Apply tin foil substitute to the cast. Open the repair area to approximately ¼ inch. The edges of the opening should be beveled with the narrower width on the tissue side of the repair.

Application:

The powder should be dusted on in very thin layers while moistening with the liquid in between each layer. Slightly over-contouring the repair leads to the best results.

Curing:

It will take approximately 10 minutes for the repair material to set. For best results, submerge the repaired denture (on stone cast) in a pressure cooker with warm water (110°F) at an air pressure of 15-30 PSI for 10 minutes. Maximum density is attained under these conditions.

Finishing & Polishing:

Using the appropriate equipment (i.e. sandpaper cone, C.C. trimmer, vulcanite bur, etc.) grind off the excess, over-contoured material until it is level with the denture surface. Chisel away any flash around the necks of teeth. Polishing via rag wheels with pumice should be followed by a high denture shine.

*Depending on the circumstances encountered, preparation may vary slightly.

Preparation for Repairing Fit:

(Use to restore comfortable fit to poorly fitting dentures). Use the old denture as a tray to take the impression. Trim all undercuts and periphery prior to taking the impression. Take an impression in the relieved denture. Next, with the denture in position, mount the stone cast on an articulator or duplicator to preserve the tooth/cast dimension. Remove the denture and clean out most of the impression material, but leave enough to serve as automatic rests, thereby assuring positive reseating on cast. If preferred, matrices may be used for the tooth/cast relationship.

To further relieve the denture, scrape or sand the high spots and periphery, then smooth all surfaces. Reseat denture on stone cast and apply wax as needed to ground away areas.

Invest case in a customary fashion. Heat flask in hot water, separate and remove remaining impression material and flush out the wax. Apply tin foil substitute to the exposed investment and on the model. Cool the flask to room temperature.

Pouring Partial:

Mix approximately 15 cc of powder to 8 ml liquid. Pour immediately.

Reline:

Use 2 parts powder to 1 part liquid or 15 cc powder to 7 mm liquid. In about 2 minutes, the mix will attain good packing consistency. Wet the tissue side of the denture with the liquid and pack the mix. Trial packing is not necessary. Deflask the case after 15 minutes and follow the directions outlined above for finishing and polishing the relined denture.

CAUTION: Flammable Liquid Contains Methylmethacrylate. Keep away from heat, sparks and open flames. **Do not inhale or ingest.** Use in well ventilated area. Avoid repeated or prolonged contact with skin. Wash skin with soap and water after contact. Do not use if skin irritation or sensitivity occurs.