

Diamond D Self Cure Mixing & Processing Instructions

Ratios are expressed in Volume cc Powder – mls Liquid

Pouring Procedure – 2:1

Mix 2 parts powder to 1 part liquid by volume. Eg. 10cc Powder – 5 mls Liquid, to attain a pouring consistency. It is possible to pour an acrylic partial denture with one mix of acrylic. Best results are achieved when: After pouring, leave the case on the bench for 5 minutes before placing into the hydroflask.

Relining Procedure – 3:1

To attain a workable doughy consistency, use 3 parts powder to 1 part liquid by volume. Eg. 15cc Powder – 5mls Liquid. Packing consistency will be attained in 2-5 minutes depending on ambient temperature. Prime the reline-repair area with liquid and pack the doughy mix.

Dusting Procedure (salt & pepper)

Using a clean brush, moisten the area using a clean brush with monomer liquid. Lightly dust with successive thin layers of powder, moistening each area with liquid. For best results, Slightly over-contour the repair area.

Curing Methods

- a) HYDROFLASK – Submerge the case in warm water 45–50 degrees Celsius, at 1-2 bar (15-30 psi) pressure, for 10-15 minutes.
- b) FLASK & CLAMP – Submerge the flask in water 45–50 degrees Celsius for 10-15 minutes.

Mix at these suggested ratios at least once, so that you are able to visualize the desired consistency.