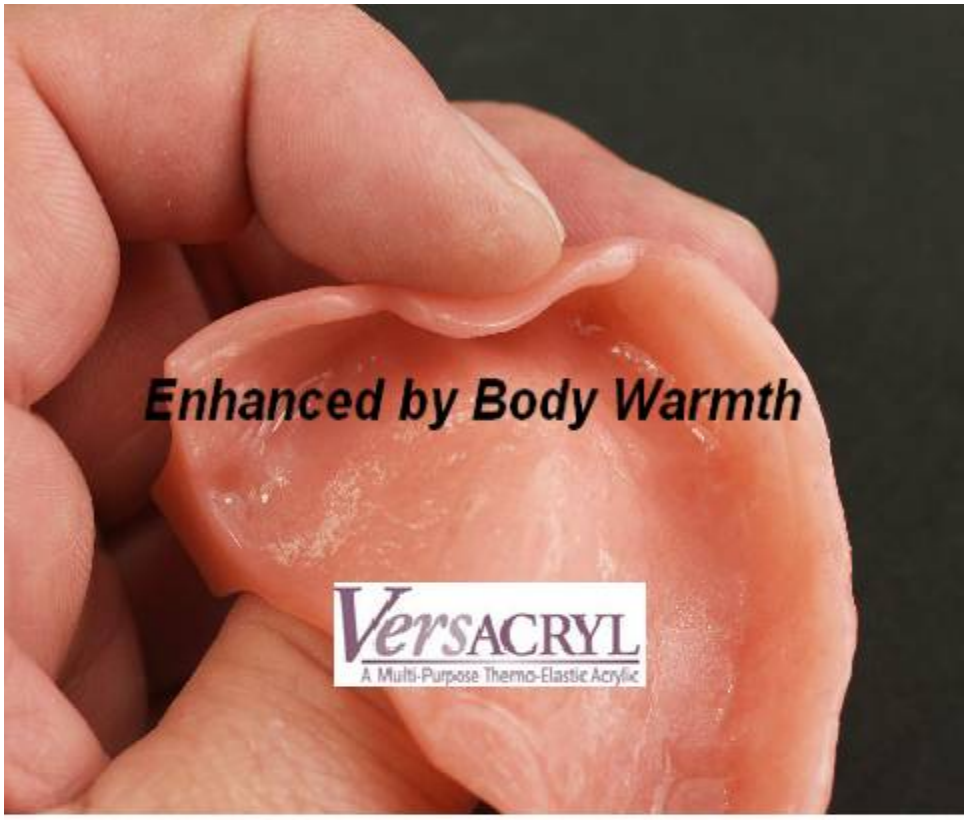
VERSACRYL Laboratory Kit



The Thermo-Elastic Soft Reline that gets softer at 98.6 degrees.

KEYSTONE INDUSTRIES

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Versacryl Laboratory Kit for Removable Applications

This unique acrylic forms the basis of an innovative denture system, so versatile, it provides the dental professional with more than a dozen new applications to improve retention, esthetics and comfort for the patient. Critical parts of dental appliances can be created with this acrylic and applied to the appliance, which soften with heat and conform to the contours of soft and hard tissues.
VERSACRYL softens in warm water and remains flexible at temperatures between 50 and 95°C or 122 and 203°F.
When inserted and adapted to the mouth, VERSACRYL will cool to body temperature and take on the desired rigidity to fulfill its new function. The above softening and contouring process can be repeated over and over to ensure proper fit and complete comfort for the patient.

VERSACRYL portions can be created and applied to any acrylic denture or partial denture in different areas for different purposes, such as:

- Adaptations to tissues or lesions (postdam, etc.)
- To replace conventional clasps or to construct gasket clasps to utilize existing undercuts (lingual posterior submandibular or alveolar undercuts)
- Over tori or other anomalies
- As a heat sensitive reline, ranging from soft to hard
- To attach VERSA-Lock sublingual wings (available separately)

Depending on which application is desired, VERSACRYL requires different rigidities to function optimally at body temperature. This feature is controlled by mixing different proportions of the two liquids, following our below directions for use. The suggested ratio of the liquids to obtain the desired end result is specified in drops. Careful measurement is important and will also prevent material waste.

SUGGESTED APPLICATIONS:

On Upper Dentures:

- At the posterior palatal seal region (postdam)
- In the hamular notch region
- Into buccal undercuts of the maxillary tuberosity
- Into any undercut on the alveolar ridge

On Lower Dentures:

- Into undercuts below the retromylohyoid eminence (mandibular lingual posterior undercuts = submandibular fossa)
- In the pterygomandibular notch region
- Into any undercut on the alveolar ridge
- In a layer below the posterior teeth to thermo-adjust the bite

On Partial Dentures:

Very effective acrylic partials can be designed by combining several functional rigidities in critical areas of the denture:

- Friction clasps on abutment teeth
- Utilizing interproximal undercuts with a softer cushion
- Gasket clasps to surround free-standing teeth.

In most cases when VERSACRYL functions as retention into undercuts, it is necessary for the patient to soak the denture in warm water before each insertion.

Thermo Relines:

Relines can be tailor made to each individual case by adding or subtracting drops of liquid B, which is the hardener. The reline can be re-adapted repeatedly, even by the patient, if necessary. This is especially practical on difficult lowers and partial relines. Versacryl can also be used as an alternative to tissue conditioning techniques (see below under the self cure method).

Heat Cure Method:

Heat cure acrylic is always recommended over self cure because it produces a more stable and impervious result. VERSACRYL additions can be obtained by double-packing the denture flask in the following manner:

1. Pack denture flask with pink denture acrylic
2. Add a polyvinyl sheet and trail press
3. Open flask and cut away areas you want mouldable
4. Mix VERSACRYL acrylic following enclosed instructions
5. Pack against monomer-primed denture acrylic
6. Close flask, press and proceed as usual

Self Cure Method:

Self Cure VERSACRYL can replace all heat cure applications, however, certain uses are more favorable for practical reasons:

- Replacing a broken cast clasp on a partial denture
- Adjusting or adding interproximal retention to a loose partial
- Adding thermo relines as an alternative to tissue conditioning techniques
- Attaching VERSA-Lock sublingual wings to the lingual flange of a lower denture

Before applying self cure VERSACRYL:

1. Always trim away at least 1.5 mm of pink denture acrylic
2. Slope and sharpen the edges and roughen the surface
3. Prime well with monomer, preferably twice
4. Mix self cure VERSACRYL following enclosed instructions
5. Apply the material and shape with instrument or matrix
6. Cure in a pressure cooker and finish as usual

Polishing:

Polishing VERSACRYL acrylic is not different from regular denture base acrylic, except when venturing into the softer applications, where more caution is recommended. When polishing with hi-shine, it is important to obtain a good protective layer. Similar to other soft reline materials, VERSACRYL can be polished and hi-shined after cooling or even freezing for 15 to 20 minutes and immediately apply the hi-shine using a high quality paste with a leather buff at lower speed. This flattens the surface molecules and produces a much more impervious surface. Good results have also been obtained using prophy paste brushes on smaller areas.

Use the "New" VERSACRYL SURFACE SEALER to coat and shine the VERSACRYL application. Air dry for 5 minutes and apply a second coat, let dry then rinse under running water. Re-apply after all adjustments. Re-apply annually.

Directions for Use:

Liquid A is Versacryl Softener Liquid

Liquid B is *either* Versacryl Hardener Heat Cure Liquid *or* Versacryl Hardener Self Cure Liquid (depending on which Laboratory kit is being used, the Heat Cure or the Self Cure Kit)

Following are the suggested number of drops to use and ratios for mixing the two liquids in order to obtain the rigidity required for each application:

Application	A	B	%	Adjustment
Postdam	4	16	20% A - 80% B	
Lingual flanges	9	21	30% A - 70% B	
Friction Clasp	3	6	35% A - 65% B	
Periphery undercut	10	10	50% A - 50% B	
Gasket Clasp	6	2	75% A - 25% B	
Reline (softest)	42	8	84% A - 16% B	
Stress breaker	10	0	100% A - 0% B	

In a small mixing cup, add the following:

1. From bottle A, the amount of drops indicated in column A
2. From bottle B, the amount of drops indicated in column B
3. Stir both liquids together for about 10 seconds
4. From the polymer container C (Versacryl Pink or Clear Powder), while stirring, add 1.5 parts of powder to 1 part liquid, by weight.
5. For **heat cure**: stir until thick enough to knead and pack against liquid B monomer-primed acrylic immediately (see heat cure method).
6. For **self cure**: stir while vibrating and quickly apply to existing liquid B monomer-primed acrylic (see self cure method).

The more liquid B used in the mixture, the more rigid the end result becomes. If the obtained rigidity is not satisfactory, the amount of drops can be modified, but always adjust the liquid with the highest amount of drops and keep notes in the blank adjustment column.

Also available are VERSA-Lock Sublingual Wings, providing unsurpassed comfort with their thermo-adjustable qualities.

Disclaimer: KEYSTONE INDUSTRIES is not responsible for consequences resulting from any misuse of VERSACRYL dental products or any misunderstanding that results from the use of VERSACRYL dental product instructions.