



General Description

Vitacrilic® Soft is a reline-able material based upon poly ethyl methacrylate, consisting of a powder and a liquid. This material contains: NO Methyl Methacrylate Monomer, NO Phthalate Plasticizer, NO Bisphenol A, NO leachable ethyl alcohol, and NO Cadmium colors! Vitacrilic® Soft is considered an allergy free material. It is also repairable, reline-able, and bonds completely to standard denture acrylic.

Vitacrilic® Soft is available in eight shades: Clear Soft, Pink Soft, Special Fibered #1 Soft, LRP Soft, Original Light Soft, Ethnic L Soft, Ethnic M Soft, and Ethnic D Soft. All eight shades are compatible with each other and can be mixed in the laboratory to create your own shade.

Night Guards, Flexible Partial and Appliances

Please Note:

- Suggested powder/liquid ratios depend on the desired size of the appliance.
- Monomers can be adjusted for additional flexibility or rigidity by increasing one monomer and reducing the other.
 - For example, while keeping the ratio of powder to monomer the same (30cc:18mL); using 50% Rigid Soft Monomer (9mL) and 50% Medium Soft Monomer (9mL) would create a semi-flexible appliance. Using a higher percentage of Rigid Soft Monomer will achieve more rigidity while a higher percentage of Medium Soft Monomer would achieve more flexibility.
- When preparing a denture or teeth for bonding, do not forget to roughen up and apply a light coating of denture base monomer to soften the area for a better bond.
 - **Diatomics are recommended for maximum tooth retention.**
- Appliances will always be *slightly* softer in a patient’s mouth than at room temperature.

Night Guards and Palatal Bar – Bilateral Partial

Powder (cc)	Medium Soft Monomer (mL)	Rigid Soft Monomer (mL)
30	11	7
20	7	5

Nesbit – Unilateral Partial

Powder (cc)	Medium Soft Monomer (mL)	Rigid Soft Monomer (mL)
15	5.5	3.5

Directions for using Vitacrilic® Medium and Rigid Soft Monomer

Heat Curing Technique:

Mixing:

By volume measure 30cc of Vitacrilic Soft powder to 18mL Vitacrilic® Soft Monomer. Add powder to liquid in a clean dry jar. Mix for 15-30 second to ensure all powder is wetted.

Flasking:

Use conventional dental compression molding methods and gypsum material for flasking.



Packing:

When material is no longer sticky (sticks to jar) it is ready to be pressed.
Pack the same as a denture but **DO NOT** trial pack.

Recommended cure time and temperature, minimum cure 2 hours @ 125°F

*Alternate cure time and temperature for processing with denture base resin 90 minutes @ 165°F with an additional 30 minute boil

Method of cooling flask..... 15 minutes @ room temperature, 60°- 80°F

- When curing at 125°F the soft material will cure out clear. If a higher temperature is used, the material will absorb a higher amount of moisture and cure out with a cloudy appearance. The material will reach a balance after **24 – 48** hours and appear clear or with good color if one of the pigmented shades is used.

Finish and Polish:

Take care when de-flasking the cooled appliance as it will not be as flexible as it would be when warm. After removing from mold, finish and polish on a low speed. (Note: to make finishing and polishing easier, place the appliance in ice cold water for 2 – 3 minutes then finish with regular burs and polish.)

Pouring Technique:

Mixing:

Pouring partials require the same powder and monomer proportions as the packed appliances previously mentioned. (Note: Refrigerating the monomer is suggested to allow for slightly more working time.)

Add the powder to the liquid in a clean dry jar. Mix for 15 – 30 seconds with the jar tilted towards yourself to minimize the exposure to air.

Pouring:

Once all the powder is wetted, pour immediately and take the flask directly to the pressure pot. **Do not** let the flask bench set!

Storage temperature for powder and liquid.....60°- 80°F

Powder / Liquid ratio30cc / 18mL

Mixing Time (to wet all particles) 15-30 seconds

Pour time Immediately

Recommended cure time and temperature 45 minutes @ 125°F; apply 20-25lbs. of pressure

Method of cooling flask..... 15 minutes @ room temperature, 60°- 80°F

****Caution: Avoid prolonged handling of uncured mixture and inhalation of monomer vapors.****

WARNING: Moving appliance without warming in water may result in breakage.



Directions for Processing Vitacrilic® Ultra Soft
The Soft Reline

Vitacrilic® Ultra Soft Monomer

Vitacrilic® Ultra Soft Monomer can be used to create a soft reline or any soft appliance you may need. Small adjustments to the softness/hardness of the appliance can be made by changing the ratio of monomer to polymer. The recommended range can vary anywhere between 9mL(liquid):15cc(powder). Increasing the ratio of monomer to polymer will produce a softer end result.

Please Note:

- When preparing a denture or teeth for bonding, do not forget to roughen up and apply a light coating of denture base monomer to soften the area for a better bond.
- The appliance will be *slightly* softer in the patient’s mouth than at room temperature.

Heat Curing Technique:

Mixing:

By volume measure 15cc of Vitacrilic® Soft powder to 9mL Vitacrilic® Ultra Soft Monomer. Add powder to liquid in a clean dry jar. Mix for 15 – 30 seconds; be sure all powder is wetted. When material is no longer sticky, it is ready to be processed.

Flasking:

Use conventional dental compression molding methods and gypsum material for flasking.

Packing:

Recommended cure time and temperature, minimum cure 2 hours @ 125°F
 *Alternate cure time and temperature for processing denture base resin 90 minutes @165°F with an additional 30 minute boil
 Method of cooling flask, time and temperature 15 minutes @ room temperature, 60° - 80°F

Jig Relining Technique:

Mixing:

By volume measure 15cc of Vitacrilic® Soft Powder to 9mL Vitacrilic® Ultra Soft Monomer. Add powder to liquid in a clean dry jar. Mix for 15 – 30 seconds; be sure that all powder is wetted. When material is no longer sticky, it is ready to be processed.

Flasking:

Place resin inside of denture and assemble the jig. Slowly close the jig.

Curing:

Recommended cure time and temperature..... 45 minutes @125°F; apply 20 – 25 pounds of pressure

- When curing at 125°F the soft material will cure out clear. If a higher temperature is used, the material will absorb a higher amount of moisture and cure out with a cloudy appearance. The material will reach a balance after **24 – 48** hours and appear clear or with good color if one of the pigmented shades is used.

Finish and Polish:

After removing from mold, finish and polish.

FRICKE DENTAL INTERNATIONAL, INC.
 165 Roma Jean Parkway
 Streamwood, IL 60107
 800-537-4253
 Visit our website at www.frickedental.com
 MADE IN THE USA

Effective Date: 07/27/15 Approved By: R. Tekstar
