

# VERACRIL®

Heat-curing Acrylic Resin  
of High Impact

## EXPECTED USE

The acrylic resin Veracril® high impact heat-curing is indicated for the elaboration of bases of total and partial dentures and removable prostheses.

## COMPOSITION

Monomer: Methyl methacrylate.

Polymer: Copolymer of methyl methacrylate and styrene / butadiene.

## FEATURES

- Provides the essential properties and characteristics necessary to use the product in the oral cavity.
- High-impact, heat-curing acrylics have the ability to be molded into complex shapes.
- Easy to handle.
- They show sufficient translucency to impart the natural appearance of the replaced oral tissues.
- They do not show changes in color or pigmentation even when subjected to body temperatures.
- It is easy to polish allowing it to regain its shine.
- Excellent dimensional stability.

## INSTRUCTIONS FOR USE

The thermopolymerizable polymer Veracril® High Impact must be used with the heat-curing monomer Veracril® and polymerized in a thermostat bath.

### Proportions

- By weight: Two parts polymer and one part monomer.
- By volume: Three parts polymer and one part monomer.

### Preparation of the mixture

- Apply a thin layer of Novafoil® on the plaster surfaces with the hot flask and avoiding excesses.
- The mixture is prepared in a suitable container (dappen, glass container, porcelain or silicone).
- The metered polymer is poured over the monomer in the indicated proportions, cross-mixing continuously for approximately 30 seconds, to avoid the generation of air and to ensure that the polymer particles are fully incorporated with the monomer.
- The container is covered to avoid the inclusion of air until the mixture is in the plastic stage (when the mixture does not adhere to the spatula or to the walls of the container).
- Finally, it is packed in the flask.

### Working time

The mixture allows a working time of approximately 10 minutes. These times may vary according to the ambient temperature.

### Packed and pressed

- The material is packed in the plastic stage, and a polyethylene sheet is placed between the resin and the impression model.
- It is pressed with 1500 psi in a slow way, it is removed from the press, the flask is uncovered to remove the polyethylene sheet and the excess acrylic is cut with the help of a spatula, the flask is closed again and a pressure 2000 psi final over the flask, to ensure a vertical dimension without alteration.

### Polymerization

Follow the steps in the following table:

Steps	Temperature (°C)	Time	Medium
1	73	90	Water
2	100	30	Water
3	23	30	Air
4	23	15	Water

### Polished

Polishing is performed according to dental laboratory techniques and procedures.

## WORKING TOGETHER WITH OTHER DEVICES

The thermopolymerizable acrylic resins Veracril® high Impact work in conjunction with some metallic dental structures and can be used in conjunction with implants, which in turn adhere to the patient's jawbone.

### Residual risks:

The main residual risks related to the use of the product are:

- Irritations or allergies to the skin or mucous membranes due to residual monomers or styrene butadiene residues. These reactions are rare and are avoided by maintaining the recommended polymer / monomer ratios.
- Accumulation of plaque and microorganisms on the acrylic surface, which is avoided by polishing the material using conventional

laboratory techniques.

- There may be risks such as fractures in the denture base, however, this is avoided by correctly designing the denture or the metal structure with which the acrylic restoration interacts.
- Detachment of the artificial tooth from the denture base. This situation is avoided by ensuring adequate cleaning of artificial teeth before use.

**CONTRAINDICATIONS**

The product should not be used in patients with hypersensitivity or allergy to the material.

**WARNINGS**

Monomer is a flammable liquid so it should be used away from sources of sparks, flames, or high temperatures.

**PRECAUTIONS**

- The use of solvents on the acrylic framework is not recommended because it can produce microfractures or cracking of the material.
- Do not use the product after the expiration date.
- Keep hands and working instruments dry to avoid the incorporation of bubbles into the acrylic framework.
- The product is for use in the dental laboratory and due to its volatile nature, it is recommended to work in ventilated places, preferably with a vapor extraction system, protective glasses, latex gloves and an apron.
- Avoid permanent contact with skin, eyes and inhalation of vapors.
- In case of direct contact with the skin, wash immediately with plenty of water and a mild soap.
- If inhaled, remove the affected person from exposure, take him to receive fresh air and if required, supply oxygen or artificial respiration.
- In case of direct contact with the eyes, wash with plenty of water for a period of 15 minutes.
- If the discomfort persists, immediately seek medical assistance.
- In case of ingestion seek medical assistance immediately.
- For more information, consult the product safety sheet at [www.newstetic.com](http://www.newstetic.com).

Failure to follow the recommendations in these instructions for use may lead to impairments in the performance of the product

**RECOMMENDATIONS**

Due to the improvement in the mechanical properties of denture bases, in particular impact resistance, the use of this product is recommended in patients with mental disorders who require dental rehabilitation.  
For best results it is recommended to use New Stetic brand acrylic resin teeth.

**STORAGE**

The monomer and the polymer must be stored in a ventilated, cool and dry place, away from sources of heat and / or ignition, and protected from direct light, at a temperature not higher than 30 °C.

**FINAL DISPOSITION**

Product waste and its contaminated packaging can be disposed of by incineration, always observing current local regulations. It should not be disposed of in water sources.  
The used medical device (prosthesis) must be disposed of as special biohazard waste.

**USEFULL LIFETIME**









Polymer: 4 years.  
Monomer: 3 years.

Liquid: INVIMA2017DM-0000633-R2  
Powder: INVIMA2017DM-0000650-R1

**NORMATIVITY**

The Veracril® high impact product complies with the ISO 20795-1 standard.  
It is recommended only for dental use by qualified personnel.  
Keep out of the reach of children.

**SYMBOL GLOSSARY**

 Instructions for use	 Fragile
 Keep dry	 Flammable
 Keep away from sunlight or direct heat sources.	 Irritant
 Maximum storage temperature.	 We recommend to wear nitrile gloves

**ISO  
20795-1**

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