

### INTENDED USE

Novacryl Flow® self-curing acrylic resin is indicated for the fabrication of temporary restorations, crowns and bridges in fully or partially edentulous patients, while awaiting the final restoration.

### COMPOSITION

Monomer: Methyl methacrylate.

Polymer: Copolymer of methyl and ethyl methacrylate.

### FEATURES

- Provides the essential properties and characteristics necessary to be used in the oral cavity.
- Easy to manipulate.
- Shows sufficient translucency to impart the natural appearance of the replaced oral tissues.
- It does not show changes in color or pigmentation even when subjected to body temperatures.
- Does not require a heat treatment to achieve polymerization.
- It is easy to polish, allowing it to regain its shine.
- Excellent dimensional stability.

### INSTRUCTIONS FOR USE

Mixing proportions: Three parts of polymer to one part of monomer in unit volume.

#### Direct Method: Temporary with self-curing Novacryl Flow®.

- Before beginning tooth preparation, take a complete impression of the mouth with silicone or alginate. The alginate impression should be wrapped in a damp towel until it is time to cast.
- Trim a sufficient amount of alginate from the impression in all pontic areas.
- If the impression was made with alginate, wash it off with lukewarm water. Remove excess water with a gentle blast of air.
- Select the color of the polymer.
- Cover the supporting teeth and adjacent gingival tissues with a thin film of petroleum jelly. This serves as a lubricant and facilitates removal of the temporary bridge.
- Before starting the exothermic reaction, remove the impression from the mouth. Allow the temporary crown or bridge to cure in the impression. Do not allow it to polymerize directly in the mouth, remove the bridge from the impression.
- Carefully position the bridge or crown on the supporting teeth and establish the proper occlusion. When fit and occlusion are satisfactory, cement the bridge or crown. After cementation, recheck the occlusion.

#### Indirect Method: Temporary with self-curing Novacryl Flow®.

- Carve the pontic area on the plaster model if it is not yet defined and wear all the supporting teeth more or less 0.5 mm, so that it resembles the preparations for crowns, but with a larger diameter.
- Select the color of the polymer.
- Cover the appropriate area on the plaster model with the Novafoil® acrylic-plaster spacer that facilitates removal of the temporary bridge.
- Prepare the mixture according to the indicated proportions, immediately pour the mixture into the corresponding area and position it on the model.
- Before starting the exothermic reaction, remove the bridge or crown from the cast and reinsert them to avoid retention of material in the stone cast. Refit the crown to the clinical plaster cast and allow it to fully cure.
- Carefully position the bridge or crown on the plaster cast and establish the proper occlusion.

#### Preparation of the mixture

- Prepare the mixture in a suitable container (dappen or glass, porcelain or silicone container).
- The metered polymer is poured over the monomer in the indicated proportions, mixing continuously for approximately 30 seconds, to avoid the generation of air and to ensure that the polymer particles are completely incorporated with the monomer.
- The container is covered to avoid the inclusion of air until the mixture reaches a fluid consistency and apply in the corresponding area according to the method (direct or indirect).

#### Polymerization

Novacryl Flow® self-cure in approximately 7 minutes. This time may vary according to the ambient temperature.

#### Working time

The material allows a working time of 3 to 5 minutes. These times may vary according to the ambient temperature.

#### Polished

- Carefully position the bridge or crown on the supporting teeth and establish the occlusion.
- Anatomy and contour are refined as needed, in accordance with conventional dental polishing techniques.

## WORKING TOGETHER WITH OTHER DEVICES

Acrylic resin works 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 ASSOCIATED WITH THE PRODUCT

- Irritations or allergies on the skin or mucous membranes due to residual monomers. 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.
- Fractures in the provisional structure, however, this is avoided by carrying out an adequate design of the same and of the metallic structure with which the acrylic resin interacts.

## CONTRAINDICATIONS

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

The product is not indicated for permanent restorations, since over time it may lose some of its physical-mechanical properties, reducing its performance.

## ADVERTENCIAS

El monómero es un líquido inflamable por lo que debe usarse lejos de fuentes de chispa, llamas o altas temperaturas.

## 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.
  - Due to its volatile nature, the monomer must be worked in ventilated places, preferably with a vapor extraction system, protective glasses, latex gloves and an apron.
  - Avoid contact with skin, eyes and inhalation of vapors.
  - 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

For a better characterization of the bridge or crown, apply a gradient incisal simulating tooth enamel.

## STORAGE

The product 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 no higher than 30 ° C.

## FINAL DISPOSITION

Product waste and contaminated packaging can be disposed of by incineration, but always considering current local regulations. It should not be disposed of in water sources.

The medical device already used in the patient's mouth should be disposed of as special biohazard waste.

## USEFULL LIFETIME

Polymer: 4 years.

Monomer: 2 years.

Liquid: INVIMA2017DM-0000632-R2

Powder: INVIMA2013DM-0010267









## ADDITIONAL INFORMATION

The product complies with ISO 20795-1.

Product intended solely 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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