

NOVACRYL SELF CURING ACRYLIC

(POWDER AND LIQUID) FOR CROWNS, BRIDGES AND REPAIRS

For HEAT CURING NOVACRYL ACRYLIC (see page 5)

DIRECT METHOD (Page 1)

INDIRECT METHOD (Page 2)

INSTRUCTIONS FOR USE

DIRECT METHOD:

Temporaries with NOVACRYL Self Cure

Before beginning tooth preparation, make a complete silicone or alginate impression. This impression must be wrapped in a wet towel until pouring the model.

Proceed with tooth preparation or surface work.

Cutoff enough alginate from impression in all pontic areas. If the impression was made with alginate, wash it with mild water. Remove excess water with a mild air jet

Select the NOVACRYL shade to be used.

Cover the support teeth and adjacent gingival tissue with a thin film of vaseline. This works as a lubricant and facilitates separation of the NOVACRYL temporary from the impression.

Composition:

The mixture, by volume, consists of:

Three parts of NOVACRYL Self Curing powder plus one part of NOVACRYL Self Curing liquid.

Mixture Preparation:

Add one part NOVACRYL liquid to three parts NOVACRYL powder by volume, into a dampen dish or mixing cup. Mix continuously with a cement spatula to assure that polymer particles are thoroughly incorporated into the monomer. Cover the mixture to avoid air inclusion until it reaches a plastic stage (when the mixture does not adhere to the spatula or sides of the mixing cup). Next, pack acrylic mixture into the flask.

Polymerization:

US DENTAL DEPOT
6555 NW 9th Avenue, Suite 212
Ft Lauderdale, FL 33309
Phone: 1-786-210-3284 Fax: 1-786-513-2868
Marcos Barrionuevo
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Before the exothermic reaction begins, immediately remove the impression from the mouth. Wait until the NOVACRYL polymerizes inside the impression. Do not allow NOVACRYL to be polymerized directly in the mouth.

Remove the NOVACRYL restoration from the impression.

Working time:

The material allows a working time between 5 and 6 minutes, depending on the environment temperature.

Polish:

The anatomy and contour are developed as required by standard technique. Place the NOVACRYL restoration carefully on support teeth and adjust the occlusion.

When the fit and occlusion are satisfactory, cement the NOVACRYL restoration. After cementing, check the occlusion again.

If incisal characterization is desired, apply NOVACRYL incisal in layers, simulating tooth enamel.

INDIRECT METHOD:

Temporaries with NOVACRYL Self Cure

NOVACRYL restorations are manufactured on a stone model.

If necessary, work on the pontic area and abrade the support teeth around 0.5 mm to make them look like crown preparations of a wider diameter. Edentulous spaces and support teeth will be replaced by NOVACRYL restorations.

After isolating with NOVAFOIL acrylic-plaster separator and adapting the restorations to the clinical model, select the NOVACRYL powder shade.

Composition:

The mixture, by volume, consists of:

Three parts of NOVACRYL Self Curing powder plus one part of NOVACRYL Self Curing liquid.

Mixture Preparation:

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Add one part NOVACRYL liquid to three parts NOVACRYL powder by volume, into a dappen dish or mixing cup. Mix continuously with a cement spatula to assure that polymer particles are thoroughly incorporated into the monomer. Cover the mixture to avoid air inclusion until it reaches a plastic stage (when the mixture does not adhere to the spatula or sides of the mixing cup). Next, pack acrylic mixture into the flask.

Polymerization:

Before the exothermic reaction begins, remove the restoration from plaster model to avoid material retention. Replace on model for final curing.

Remove NOVACRYL restoration from clinical model.

Working time:

The material allows a working time between 5 and 6 minutes, depending on environmental temperature.

Polish:

The anatomy and contour are developed as required by standard technique. Place the NOVACRYL restoration carefully on support teeth and adjust the occlusion.

When the fit and occlusion are satisfactory, cement the NOVACRYL restoration. After cementing, check the occlusion again.

If incisal characterization is desired, apply NOVACRYL incisal in layers, simulating tooth enamel.

SHADES

NOVACRYL tooth shades (59, 62, 65, 66, 67, 69, 77, and 81, incisal)

WARNINGS

Using solvents on any acrylic structure is not recommended as it may cause micro-fractures or cracks in material.

Keep hands and working tools dry to avoid incorporating bubbles into acrylic structure.

PRECAUTIONS

Do not use product after expiration date.

NOVACRYL is a product for external use. Due to product volatility it is recommended working at places with air circulation, preferably using a vapor extraction system, safety goggles, latex gloves and apron.

RECOMMENDATIONS

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Avoid permanent contact with skin, eyes and vapor inhalation.

In case of direct contact with skin, wash immediately with abundant water and mild soap.

In case of vapor inhalation remove person from exposure, provide him/her with fresh air and, if required, with oxygen or artificial respiration.

In case of direct contact with eyes, wash with abundant water for 15 minutes.

If the problem persists, call a doctor as soon as possible.

In case of ingestion, induce vomiting and call for medical assistance as soon as possible.

STORAGE

Both monomer and polymer have to be stored in a cool, dry place with air circulation, far from heat and/or ignition sources and protected from direct light.

HANDLING AND TRANSPORTATION PRECAUTIONS

Tolerance of acrylic resins is 410 mg per cubic meter of air during 8 working hours (OSHA)

This acrylic resin can be shipped in glass, metal or plastic containers.

In case of product spillover it can be incinerated or disposed of, according to local and effective environmental laws.

Measures for fire fighting are:

Eliminate all open fire and other ignition sources.

Apply extinguishers to primary fire sources (ABC type)

Fire personnel must be provided with security equipment and artificial respiration devices. Masks must cover complete face exerting positive pressure.

NORMS

NOVACRYL complies with ISO norm 1567.

It is recommended to be used by qualified personnel only.

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HEAT CURING NOVACRYL ACRYLIC

(POWDER AND LIQUID) FOR CROWNS, BRIDGES AND REPAIRS

INSTRUCTIONS FOR USE

INDIRECT METHOD:

No direct method in heat cured

Temporaries with NOVACRYL Heat Cure

The temporary restoration is built on a stone model.

If necessary, work on the pontic area and abrade the support teeth around 0.5 mm to make them look like crown preparations of a wider diameter. Edentulous spaces and support teeth are to be replaced by wax teeth, acrylic veneers and/or a combination of both.

Immerse the model in water at room temperature for 5 minutes.

Remove model from water and dry superficial water with an air jet

Apply vaseline or special plaster-wax separator to spaces to be restored.

Carve wax teeth and restore teeth morphologically to make passive contact with the oral mucosa. Occlusion of pontics can be achieved by articulating the opposing model.

Carefully remove wax restoration from clinical model.

Make the first addition of plaster, preferably type III plaster (stone-plaster) in a flask, paint corresponding cavities of support teeth with delicate brushstrokes, avoiding bubble incorporation.

Once carved, place wax restoration in the base of the flask, where type III plaster was added, so that only the lingual part remains inside the plaster. Avoid leaving retention.

Once plaster is set, apply the NOVAFOIL plaster separator with a brush. Once dried, use a brush to cover wax teeth thoroughly with plaster, and finish this plaster addition in the other part of the flask. Let it set.

Immerse in water at 65°C for 1 minute. Separate the parts of the flask, and remove wax thoroughly with hot water and detergent.

Apply the NOVAFOIL plaster separator to hot plaster and let it dry.

Select the NOVACRYL powder shade.

Composition:

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Mixture Preparation:

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Pressing

The material is packed in the flask and a sheet of polyethylene is placed between resin and the model.

Slowly apply pressure of **1500 psi**, remove from press, open flask to remove sheet of polyethylene and trim excess acrylic. Close flask.

Apply pressure of **2000 psi** on flask, to guarantee stability of vertical dimension.

Working time:

The material allows a working time from 11 to 12 minutes, depending on the room temperature.

Polymerization:

The steps to be followed are:

STEP	Temperature	Time	Media
N° 1	73° C	90 minutes	Water
N° 2	100° C	30 minutes	Water
N° 3	23° C	30 minutes	Air
N° 4	23° C	15 minutes	Water

Polish:

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When the fit and occlusion are satisfactory, cement the NOVACRYL restoration. After cementing, check the occlusion again.

If incisal characterization is desired, apply NOVACRYL incisal in layers, simulating tooth enamel.

SHADES

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RECOMMENDATIONS

Avoid permanent contact with skin, eyes and vapor inhalation.

In case of direct contact with skin, wash immediately with abundant water and mild soap.

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