OPTI-CRYL SELF CURING ACRYLIC RESIN
(MONOMER AND POLYMER) FOR REPAIRING DENTAL PROSTHESIS

INSTRUCTIONS FOR USE

Self curing monomer must be used in its reconstitution with self curing polymer, for the formation in acrylic for repairing total or partial dental prosthesis.

Composition

The proportions of use for the mixture are:

By weight: Two parts of self curing polymer Opti-Cryl and one part of self curing monomer Opti-Cryl.

By volume: Three parts of self curing polymer Opti-Cryl and one part of self curing monomer Opti-Cryl.

Mixture Preparation

Prepare the mixture in an adequate container (dappen or glass, porcelain or silicone).

Pour the polymer over the monomer in the proportions indicated, mixing in form of cross continuously during 30 seconds approximately to ensure that the polymer particles are completely incorporated with the monomer.

Close the container to avoid air inclusion until the mixture is in the filamentous stage (material produce fibers).

Repair can be done.

Working Time

The mixture allows a working time between 3 and 5 minutes under a temperature of 23 °C (73,4°F) ± 2 degrees.

Self-curing: It autopolymerizes approximately at an average time of 10 minutes.

This time may vary depending on room temperature.

Polish

Polish is done taking into consideration the techniques and procedures of each dental laboratory.
OPTI-CRYL HEAT CURING ACRYLIC RESIN
(MONOMER AND POLYMER) FOR MANUFACTURING TOTAL AND PARCIAL DENTAL PROSTHESIS AND FOR RESTORING ARTIFICIAL TEETH

INSTRUCTIONS FOR USE
Heat curing monomer must be used in its reconstitution with heat curing polymer and polymerized under heat.

Composition
The proportions of use for the mixture are:

By weight: Two parts of heat curing polymer Opti-Cryl and one part of heat curing monomer Opti-Cryl.

By volume: Three parts of heat curing polymer Opti-Cryl and one part of heat curing monomer Opti-Cryl.

Mixture Preparation
Prepare the mixture in an adequate container (dappen or glass, porcelain or silicone).

Pour the polymer over the monomer in the proportions indicated, mixing in form of cross continuously during 30 seconds approximately to ensure that the polymer particles are completely incorporated with the monomer.

Close the container to avoid air inclusion until the mixture is in the plastic stage (when the mixture does not adhere to the spatula or sides of the mixing cup).

Next, pack acrylic mixture into the flask.

Packaging
The material is packaged in the flask carefully done and a polyethylene sheet is set between the resin and the impression model.

It is pressed at 1500 psi in low pressure and taken out of the press. Then the flask is opened to remove the polyethylene sheet and the excessive part of the acrylic is cut by means of a spatula, next, the flask is closed again. This procedure can be repeated as many times as necessary until excessive parts can no longer be observed.

Apply a final pressure of 2000 psi over the flask in order to guarantee a vertical dimension with no alterations.
Polymerization

Follow the steps of the following table:

<table>
<thead>
<tr>
<th>STEP</th>
<th>TEMPERATURE</th>
<th>TIME</th>
<th>MEDIUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nº 1</td>
<td>73 ºC</td>
<td>90 minutes</td>
<td>Water</td>
</tr>
<tr>
<td>Nº 2</td>
<td>100 ºC</td>
<td>30 minutes</td>
<td>Water</td>
</tr>
<tr>
<td>Nº 3</td>
<td>23 ºC</td>
<td>30 minutes</td>
<td>Air</td>
</tr>
<tr>
<td>Nº 4</td>
<td>23 ºC</td>
<td>15 minutes</td>
<td>Water</td>
</tr>
</tbody>
</table>

Working Time

The mixture allows a working time of 10 minutes approximately, considering the room temperature.

Colors

Polymer Opti-Cryl is available in the following colors:
Teeth (62, 65, 59, 66, 67, 69, 77, 81, incisal)
Veined pink and not Veined.
Transparent.

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.

Opti-Cryl 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.

Be careful when opening the container of the liquid component due to the fact that you can eventually be sprinkled. It is recommended to use the above mentioned safety implements in the product safety data sheet (goggles, gloves and adequate extraction systems).

RECOMMENDATIONS

Avoid permanent contact with skin, eyes and vapor inhalation.
In case of direct contact with skin, wash immediately with plenty of water and mild soap.
In case of vapor inhalation remove patient 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 plenty of water for 15 minutes.
If the problem persists, Medical attention is required.
In case of ingestion, induce vomiting and medical attention is required.
STORAGE

Both monomer and polymer must be stored in a cool and dry place with air circulation, away 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

Opti-Cryl complies with ISO norm 1567.
It is recommended to be used by qualified personnel only.