	Ortho-Care MP2 Products	Rev 02
	Instructions For Use OC-PRO-003-WI-003	Issue Date: 06-Oct-2023

Instructions for Use (IFU) of MP2 Orthodontic Cold Cure Acrylic Resin

Product Description

Dental Acrylics are supplied as powder/liquid systems. The powders are composed of homo/copolymers of acrylic esters either clear or pigmented. The liquids are composed of monomeric acrylic esters with stabilizers and catalysts systems as appropriate.

REF	DEVICE DESCRIPTION (TRADE NAMES)
2131-004	MP2 ACRYLIC POLYMER POWDER 10Kg
2131-005	MP2 CLEAR ACRYLIC MONOMER LIQUID 5L
2131-006	MP2 PINK ACRYLIC MONOMER LIQUID 5L
2131-007	MP2 ACRYLIC POLYMER POWDER 50Kg
2131-011	MP2 ACRYLIC POLYMER POWDER 1Kg
2131-012	MP2 CLEAR ACRYLIC MONOMER LIQUID 500mL
2131-013	MP2 PINK ACRYLIC MONOMER LIQUID 500mL

Indications for Use and Contraindications

Dental Acrylics are supplied as powder/liquid systems to qualified personnel for the construction of custom-made devices such as full/partial, removable/fixed dental prosthesis, orthodontic appliances, acrylic crowns, acrylic teeth and fixed bridgework.

Patient Target Groups and Users

The intended patient group is all patients who require prosthodontic treatment. Users of the MP2 products will be dental/orthodontic professionals.


Instructions for Use

MP2 Acrylic Resin is self-curing and is intended for use in the salt and pepper technique for manufacturing orthodontic appliances.

Transfer the Orthodontic Powder and Liquid into dispenser bottles. Cut the ends from the dispenser bottles spouts to provide the desired flow of powder as well as liquid.

Model Preparation

Soak the plaster model in cold water for approximately 7-10 minutes and then use the pressure flask filled with cold water at 2-3 bar pressure to remove air trapped in the plaster. Remove excess water from the plaster model using a paper tissue and then apply separating solution.

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Model Construction

Hold the prepared model at an angle to present the working area uppermost and in a horizontal plane. Sprinkle powder in a thin layer onto the model and drip liquid onto the powder until the powder appears saturated. Add more powder and repeat the process until approximately 2-3 mm layer of thickness is achieved. Avoid using excess liquid to control flow or use more powder in the event of excess liquid. The Orthodontic Resin should be of firm consistency with adequate control of flow. Excess material should be trimmed from the model at this stage with a sharp instrument and smooth the model surface by applying a little monomer with a brush. The Orthodontic Resin has a working time of approximately 5 ± 2 minutes at $23^{\circ}\text{C} \pm 2^{\circ}\text{C}$.

Curing Of Material

Fill the pressure flask with water @ $45^{\circ}\text{C} - 60^{\circ}\text{C}$ and place the model carefully in flask, close the lid and pressurise the flask to a minimum of 2 bar (30 psi) pressure. Keep the flask under pressure for minimum of 15 minutes, then release the pressure, remove the cured specimen, trim and polish in the usual manner.

Storage

Store the material in a cool, dry and well-ventilated place. Avoid direct sun and heat. Always keep the container securely closed after use. Keep out of the reach of children. Material should no longer be used after the expiry date (see print on packaging).

Disposal

Do not empty monomer liquid into drains. Follow your country-specific laws, directives, standards, and guidelines for disposal.

Performance Characteristics and Clinical Benefits


MP2 is a 'slump-free' orthodontic acrylic, with superior strength and hardness. The clinical benefit of the subject device is demonstrated by its performance.

Contra-indications

People who are allergic to dental acrylics.

Safety Instructions for the Liquid

Highly flammable, keep away from sources of ignition - no smoking. Keep the place of work well ventilated. Irritating to eyes, respiratory system and skin. After contact with the eyes, wash thoroughly with water and seek medical advice. After contact with the skin, wash immediately with plenty of water and soap. May cause sensitisation by longer skin contact. Wear suitable gloves and eye protection. Contains methyl methacrylate.

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Reporting Serious Incidents

Any serious incident that has occurred in relation to use of this product should be reported without undue delay to Ortho-Care and the competent authority for the country in which the incident occurred.

Other Information and Symbols related to Instructions for Use:



Ortho-Care (UK) Ltd

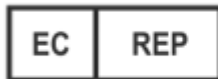
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www.orthocare.co.uk/acatalog/resouces.html



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