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Directions For Use

Excel-P Formula Pourable Denture Base Material

Complies with A.D.A. Specification No. 12:1976 Type II, Class 1
I.S.O. 1567: 1988 Type II, Class 2 and B.S. 2487: 1989 Type II, Class 2

CADMIUM FREE

Waxing and Investing

Wax denture to required detail. Trim the plaster cast leaving approximately a 1/8" (3mm) shelf around the peripheral roll to facilitate easy removal from the hydrocolloid mold. For partials ensure wax sprues are added using 6-8 gauge round wax before pouring hydrocolloid (see diagrams 3 to 6).

Soak waxed model in cold water below 100°F (38°C) for 20 minutes to eliminate air. Also ensure all wax is removed from the surface of the teeth, in particular, the occlusal surfaces. Set waxed model and cast in mold with posterior teeth nearest to the sprue holes of the flask.

Condition the hydrocolloid to a temperature of 125-130°F (50-54°C) and pour carefully between model and flask wall. Avoid pouring directly on the waxed denture. Assemble top plate, clips and extension ring and continue pouring hydrocolloid until the mold is full.

Carefully set aside for 5-7 minutes for the hydrocolloid to set before placing in cold water for 30 minutes to allow hydrocolloid to completely gel.

Remove waxed model and cast from hydrocolloid — protect hydrocolloid from drying by covering with a damp towel. Remove wax in normal way ensuring that both plaster cast and teeth are totally devoid of all traces of wax. Adhesion of teeth to acrylic can be enhanced by careful trimming of ridge laps prior to cleaning. Re-soak plaster cast in water for 5 minutes to ensure air is eliminated before coating with a tin foil substitute (isolating solution) — set aside to dry.

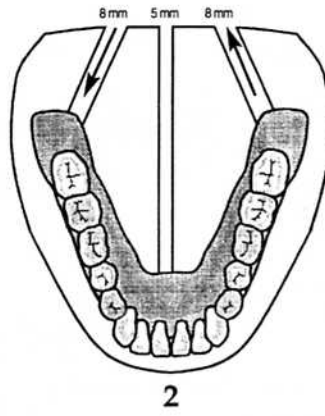
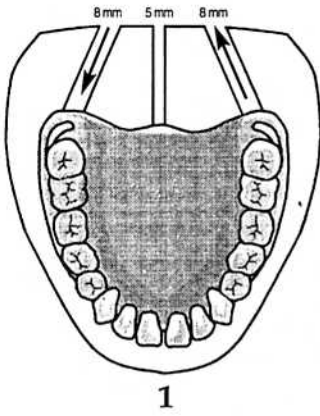
Carefully cut sprue holes in hydrocolloid always from the posterior side (see diagrams 1-6). Ensure no shavings of hydrocolloid are left in the mold. Replace teeth in mold, avoid touching the lap ridge area and ensure they are seated correctly occlusally to prevent a possible raised bite. When isolating solution is dry, replace in mold making sure it is correctly seated on the prepared shelf. Reassemble flask and clips.

Mixing and Pouring

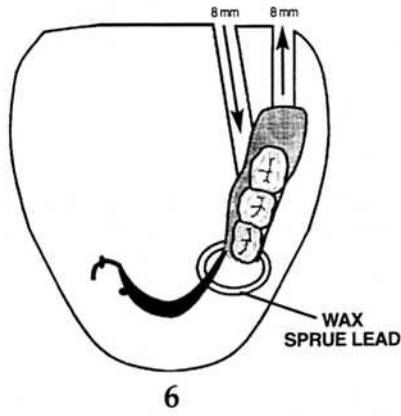
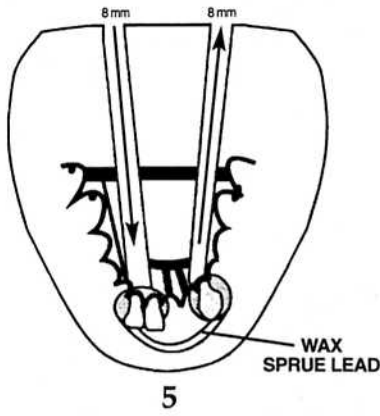
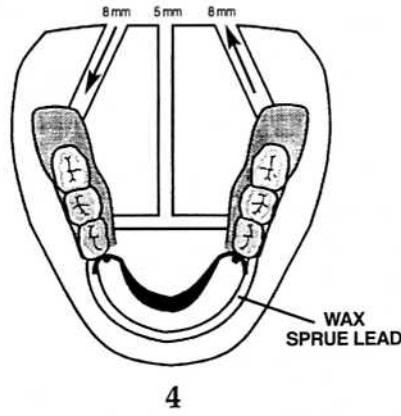
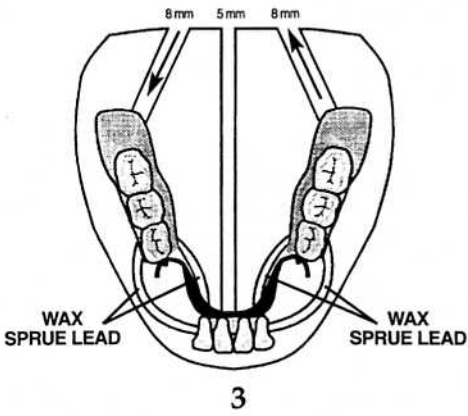
Carefully measure 14ml. liquid and 30ml. powder. ALWAYS ADD POWDER TO LIQUID. Mix for 45 seconds at a temperature of 73°F (23°C) with a to and fro motion to avoid trapping air. Pour immediately in a slow steady stream thus allowing air to be released from mold. Continue pouring until all the sprue holes are filled. Only pour through one sprue hole, thus allowing acrylic to fill mold and replace all the air space without creating trapped air. After pouring, stand flask at room temperature 73°F (23°C) for 10 minutes to allow acrylic to gel before curing.

SPRUEING TECHNIQUES

FULL UPPER AND LOWER



PARTIALS



Curing

Place assembled flask in pressure pot with sprues uppermost and sufficient water to just cover flask. The water should be preheated to 120-130°F (48-54°C). Apply 35-40 lbs. pressure and cure for 20 minutes. Allow to bench cool to room temperature before separating. Trim and polish in normal way.

Useful tips:

- a) To facilitate easy removal of cast from hydrocolloid mold, any undercuts should be eliminated.
- b) Do not use hydrocolloid too hot which could result in distortion of the wax model.
- c) Always use the flask extension ring to compensate for shrinkage of the hydrocolloid.
- d) Never short cut the chill time (30 minutes) for hydrocolloid after pouring and always keep mold covered with damp towel to prevent drying when not working with it.
- e) Wire clasps and lugs on partials should be secured to model prior to pouring to prevent accidental movement.
- f) The pouring time for Excel P is 4-5 minutes at 73°F (23°C) temperature. Do not use once the viscosity becomes sluggish which can then trap air and create voids.

Repairs

Autopolymerising repair resins such as the St. George Technology Excel Formula Auto-Cure Denture Repair Material is ideal for repairs and relines.

Storage

Dental acrylics based on methyl methacrylate should be stored in a cool (16-26°C, 61-79°F), dry place. Avoid prolonged exposure to sunlight. Keep containers closed when not in use.

Caution

Liquid contains methyl methacrylate monomer. Highly flammable, keep away from sources of ignition. NO SMOKING. Irritating to eyes, skin and respiratory system. May cause sensitization by skin contact. Keep container in well-ventilated area. Do not empty into drains. Take precautionary measures against static discharge. Wash hands thoroughly with soap and water after use. In case of accidental contact with eyes, wash with warm water for 10 minutes and seek medical attention.

St. GEORGE TECHNOLOGY, Inc. warrants that the product(s) contained in this package shall conform to the specifications for this product as represented to the Federal Food and Drug Administration. When used in accordance with our directions and good laboratory practices, this product will achieve optimum results. St. George Technology, Inc. agrees to replace, at its option, any product which is found to be defective.

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