

# Premium™ Acrylic

## Product Identification

Heat processed denture resin acrylic

## Package Contents

REF 0730	Net Wt. 454 g
REF 0750	Net Wt. 2.3 kg
REF 0770	Net Wt. 11.3 kg
REF 0780	Net Wt. 45.4 kg
REF 0704	Net Vol. 236 mL
REF 0706	Net Vol. 946 mL
REF 0707	Net Vol. 3.8 L
REF 0708	Net Vol. 19 L
REF 0709	Net Vol. 203.48 L
REF 0734	Net Wt. 454 g; Net Vol. 236 mL; measuring cups
REF 0756	Net Wt. 2.3 kg; Net Vol. 946 mL

## Intended Purpose

Fabrication of dentures. For prescription use only.

## Contraindications

Premium™ is contraindicated for persons with sensitivity to methyl methacrylate monomer.

## Storage

Keep original container tightly closed in upright position. Store in a well-ventilated place. Keep cool.

## Operating / Handling Instructions

Danger. Highly flammable liquid and vapor. Keep away from heat/sparks/open flames/hot surfaces – No smoking. Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation. Avoid breathing vapors. Wear protective gloves/protective clothing/eye protection/face protection.

## First Aid

If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a Poison Center or doctor if you feel unwell. If on skin: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice. Take off contaminated

clothing and wash it before use. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice. If swallowed: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice.

See Safety Data Sheet for complete safety information.

### **Other Materials / Equipment Needed**

1. Liquid Foil (Tin foil substitute solution)
2. Brush
3. Glass or porcelain jar with lid
4. Stainless steel spatula
5. Cellophane or polyethylene sheets

### **Instructions for Use**

#### **1. Preparing the Flask**

Invest the waxed up case in the usual manner. Place flask in a pan of clean boiling water and allow to set for 5 minutes while water continues boiling. Separate flask and remove wax by flushing a solution of detergent in boiling water. Use clean boiling water for final flush. Be sure case is free of all wax, grease and detergent before continuing.

#### **2. Applying Tin Foil Substitute**

With mold at about 120°F (49°C), apply Liquid Foil generously to all areas that will contact the resin. Remove excess Liquid Foil with a clean, dry brush and let thoroughly dry (3-4 minutes) before packing cases.

#### **3. Mixing**

Pour 10 mL Premium™ liquid into porcelain or glass mixing jar. Add 30 cc of Premium™ powder. Stir with a stainless steel spatula until evenly mixed. Place cap tightly on the jar. Allow the mix to gel for about five minutes, or until it has reached a dough-like consistency and is not sticky to the touch of a spatula. From this point, material is workable for 20 minutes.

#### **4. Packing**

Cool flask to 68°-77°F (20°-25°C). Trial pack using damp cellophane or polyethylene sheets. Separate flask and remove plastic sheet. If needed, use additional material and repeat process. In trial packing, leave excess material on flanges of flask until ready for final closure. Then remove excess to within 4 mm of periphery. Close flask completely.

#### **5. Curing**

Place flask in spring compress. Let set for 30 minutes on bench. Immerse flask in hot water, bringing temperature to about 165°F (74°C). Hold flask at that temperature for 1 hour. Then bring water to a boil and hold for 30 minutes. Cool on bench for 30 minutes before deflasking.

#### **6. Finishing**

Finish case in usual manner using fine abrasives and polishing wheels. If any trace of stone or plaster has adhered to case, soak overnight in a 5% solution of sodium citrate before polishing.

#### **Very thick cases**

Use 1½ - 2 times the material as in step 3. Allow to gel for about 10 minutes, or until it has reached a heavy gel that you can knead in your hands. Pack by taking a 4-5" section of material and rolling it into a ½" diameter roll. Place over the teeth and compress with cellophane or plastic wrapped fingers, directing the flow of material to heavy ridge area. Finish packing and compress very slowly. Open the case, trim off excess and add a little more material. Compress and clamp. Let set for 30 minutes on bench. Immerse in warm water (145°-150°F / 63°-66°C) and hold for 30 minutes. Increase temperature to 160°F/71°C and hold for one hour. Increase to 165°F/74°C and hold for one hour. Finally, bring to a boil and hold for 30 minutes. Continue with cooling as in step 5.

## Disposal

Dispose of unused material in accordance with local, state, and national legislation.

## Warranty

Manufacturer warrants this product to be free from manufacturing defects for one year from date of purchase. Warranty is void if product is not used for intended purpose, not used as instructed or not stored in original container.



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