

# Premium Super-20™ Acrylic

## **Intended Purpose**

Fabrication of dentures by a dental professional

## **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**



For consistent results always shake liquid before 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 to boil. Separate flask and remove wax by flushing with 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 (3-4minutes) before packing cases.

### **3. Mixing**

Pour 10 mL Premium Super-20™ liquid into porcelain or glass mixing jar. Add 30 cc (23 g) of Premium Super-20™ powder. Stir with a stainless steel spatula until evenly mixed. Place cap tightly on jar. Allow the mix to gel for 5-10 minutes, until it reaches a dough-like consistency and is not sticky to the touch of the spatula. Once dough time is reached, manual handling time is 15-20 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. Immerse flask in boiling water. Continue boiling for 20 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 1 ½ - 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 boiling water. Boil for 20 minutes. Turn heat off and let sit for 15 minutes. Reheat to boiling. Boil an additional 20 minutes. Continue with cooling as in step 5.

#### **Handling Precautions**

Contains methyl methacrylate

Danger. Highly flammable liquid and vapor. Keep away from heat/sparks/open flames/hot surface. – No smoking.

Causes skin irritation. May cause an allergic skin reaction.

May cause respiratory irritation.

Wear protective gloves/protective clothing/eye protection/face protection.

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

#### **Disposal**

Dispose of contents and container in accordance with all local, regional and national regulations.

#### **Warranty**

Manufacturer warrants this product to be free from manufacturing defects for one year from date of purchase only from an authorized reseller. 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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**Note:** Any serious incident that has occurred in relation to this device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

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