

# Premium Super-20™ Acrylic Resin

## Product Identification

20 minute heat processed denture acrylic resin

## Package Contents

REF 0630	Net Wt. 454g
REF 0650	Net Wt. 2.3kg
REF 0670	Net Wt. 11.3kg
REF 0680	Net Wt. 45.4kg
REF 0604	Net Vol. 236mL
REF 0606	Net Vol. 946mL
REF 0607	Net Vol. 3.8L
REF 0608	Net Vol. 19L
REF 0634	Net Wt. 454g; Net Vol. 236mL; measuring cups
REF 0656	Net Wt. 2.3kg; Net Vol. 946mL

## Intended Purpose

This product is intended for the fabrication of dentures.

## Storage Conditions / Instructions

Close container tightly after use. Store in original container in a cool, dry, well-ventilated location, away from sources of ignition and light.

## Operating / Handling Instructions



Xi - Irritant

Liquid may cause skin irritation. Avoid contact with skin, eyes and clothing. Wear protective gloves, safety glasses with side shields or chemical splash goggles. Avoid prolonged breathing of vapors. Use with adequate ventilation. Do not smoke in the presence of open containers. See Safety Data Sheet for complete information. SDS is available at [www.langdental.com](http://www.langdental.com) or by contacting manufacturer.



F - Highly Flammable

**Warning:** flammable liquid. Contains: Methyl Methacrylate Monomer, stabilized. Flash Point: 52.7°F (11.5°C), NFPA, NPCA-HMIS #: H-2, F-3, R-2.

### **Contraindications**

Premium Super-20 is contraindicated for persons with allergies to methyl methacrylate monomer.

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

1. Lang's 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 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 Lang's Liquid Foil generously to all areas that will contact the resin. Remove excess with a clean, dry brush and let thoroughly dry (3-4 minutes) before packing cases.

#### **3. Mixing**

Shake Premium Super-20 liquid, then pour 10 mL into porcelain or glass mixing jar. Add 30cc (23g) Premium Super-20 powder. Stir with a stainless steel spatula until evenly mixed. Place cap tightly on jar. Allow the mix to gel for about 10 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 4mm 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 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 inch 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.

#### 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 the 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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