

# High Impact-45™ Acrylic Resin

## 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 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 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

Pour 11mL High Impact-45 liquid into porcelain or glass mixing jar. Add 30cc (20g) High Impact-45 powder. Stir with a stainless steel spatula until evenly mixed. Place cap tightly on 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. Working time is 8-10 minutes once dough time is reached.

#### 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. 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 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.

### **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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