



# DP-REPAIR-R / DP-REPAIR-F

## **INSTRUCTIONS**

### **GENERAL DESCRIPTION**

DP-Repair-R or DP-Repair-F dental resins are a cross-linked auto-curing acrylic polymer. **The resin does not contain cadmium to reduce the risk of allergic reactions.** It is available in the same shades as the denture base resins to ensure harmony. The material usually comes with short fibers to ease the flow of the resin. Two grades are available: DP-Repair F is a fast setting grade and DP-Repair R is a regular setting grade.

### **CONTRAINDICATIONS**

DP-Repair-R and DP-Repair-F are contraindicated for patients and users with a history of allergic reaction to methyl methacrylate monomer.

### **WARNINGS**

DP-Repair liquid contains polymerizable monomers which may cause skin sensitization (redness, irritation) or other allergic reactions in susceptible persons. Avoid vapor inhalation and do not swallow.

### **ADVERSE REACTIONS**

Allergic contact dermatitis and other allergic reactions may occur in susceptible individuals. Residual monomer in fully cured materials can be minimized by soaking the cured prosthesis in warm water for several days.

Particulates will be generated when grinding cured acrylic resins. Eye, skin and respiratory irritation may occur if appropriate protective equipment are not used.

### **HEALTH AND SAFETY INFORMATION**

Please refer to the Safety Data Sheets (SDS) for information on any hazardous properties before handling. As the liquid is not miscible with water, it should not be eliminated via the municipal sewerage system

### **PREPARATION**

The denture fragments should be conditioned in water for a minimum of one hour. Apply your preferred separating liquid to all gypsum surfaces and allow the liquid to dry. Set up the repair on a plaster model as accurately as possible. Smooth and clean up the edges of the repair area in the usual manner.

### **APPLICATION AND CURING**

Shake the powder well. **DO NOT MANIPULATE THE LIQUID NEAR AN OPEN FLAME.**

**DP-Repair-R and DP-Repair-F resins must be used with DP-Repair liquid.**

Dampen the area to be repaired with the liquid. A pipet is supplied within the package for the convenient application of liquid. Apply acrylic powder to the prepared fracture area. Ensure that no air is trapped inside the acrylic resin. Continue applying the liquid and powder alternately until the area is over built. The repair resins cure at room temperature because of the auto-curing nature. At  $21 \pm 2$  °C ( $70 \pm 3$  °F), the resins cure in 20 minutes.

To reduce the risk of bubble formation, it is preferable to cure the resins in a pneumatic curing unit containing slightly warm water (40 °C or 104 °F) using an air pressure of 20 psi. The curing takes about 10 minutes.

### **ALTERNATE METHOD**

The repair could also be done in the same manner as fabricating a heat cure denture base. Dough should be prepared using a powder : liquid ratio of 3.2 : 1 (volume). The dough time is about 5 minutes for DP-Repair R and about 1 minute for DP-Repair. In both cases, the working time is only 3 - 4 minutes due to the auto-curing nature of the resin. The curing is done in water at 40 - 50 °C (104 - 122 °F) for 10 minutes.

### **FINISHING AND POLISHING**

Follow the usual method.

### **SHIPPING AND CARE**

It is recommended to deliver the finished denture in a wet environment. Prosthesis must be cleaned regularly to reduce bacterial contamination.

### **To order or for information:**

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