



DP-ORTHO-C / DP-ORTHO-F

INSTRUCTIONS

GENERAL DESCRIPTION

DP-Ortho-C and DP-Ortho-F dental resins are a cross-linked auto-curing acrylic polymers. **They do not contain cadmium.** They are compatible with DP-Ortho liquid, available in clear, crystal and pink. The details of the processing properties for the "Salt & Pepper" method are summarized in the table below.

CONTRAINDICATIONS

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

WARNINGS

DP-Ortho 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.

Fine particulates will be generated when grinding of 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

Curing conditions	
Temperature	40 °C (104 °F)
Pressure	20 psi
Time	20 minutes

PREPARATION

Prepare the model in the usual manner. Apply Separa-Plus liquid and allow the liquid to dry.

APPLICATION AND CURING

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

DP-Ortho-C or DP-Ortho-F resins must be used with DP-Ortho liquid.

Salt and Pepper Method

Apply the liquid and the powder alternately to build up the desired part on the stone model. Put the whole setting into a pneumatic curing unit. Set the water temperature at 40 °C. Make sure that the water covers completely the part. Apply an air pressure of 20 psi. Wait for 20 minutes, then take out the flask. Deflask in the usual manner.

It is possible to fabricate some orthodontic parts with DP-Ortho dental resin using pourable or heat cure methods.

Pourable Method

Flasking is done with a hydrocolloid gel in the usual manner. Use a powder : liquid ratio (volume) of 3 : 1.2 to prepare the fluid. The pour time is 2 - 4 minutes at room temperature. The curing method is the same as the "Salt and Pepper" method described above.

Heat Cure Method

Flasking is done with a gypsum material in the usual manner. Use a powder : liquid ratio (volume) of 3.2 : 1 to prepare the dough. The dough time is 15 minutes at room temperature and the working time is 15 minutes. Pack the mold with the dough in the usual manner. It is recommended to cure the resin in a water bath at 73 °C for ½ hour. Bench cool the flask for at least 20 minutes. Deflask when it is cold.

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

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