



PREMIUM TRAY

INSTRUCTIONS

GENERAL DESCRIPTION

Premium Tray is a self-curing resin especially developed for constructing individual custom impression trays and base plates. The available colours are yellow, blue, pink and white. The material is **cadmium free**. Premium Tray is very easy to manipulate due to its **stretchable** and **non sticky** characteristics. It is moldable in 15 seconds from the time of mixing and offers an excellent adaptation to models. It has no springiness and gives distortion-free parts. Premium Tray resin must be used with TRAY-R or TRAY-F liquids.

Premium Tray resin is specially designed for fabrication of complexes trays or base plates requiring a certain degree of flexibility. It is available with one of the two different liquids: the regular liquid has a longer working time and the fast liquid offers a faster setting time.

The details of the handling and the processing properties at room temperature (23 °C or 73 °F) are summarized in the tables below:

CONTRAINDICATIONS

Premium Tray resin is contraindicated for patients and users with a history of allergic reaction to methyl methacrylate monomer.

WARNINGS

TRAY-R and TRAY-F liquids contain polymerizable monomers which may cause skin sensitization (redness, irritation) or other allergic reactions in susceptible persons. Avoid inhalation or ingestion.

ADVERSE REACTIONS

Allergic contact dermatitis and other allergic reactions may occur in susceptible individuals. Fines 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.

Premium Tray:		
Powder : Liquid ratio (volume) = 5 : 1 (30 cc : 6 ml)		
	Regular Liquid	Fast Liquid
Gel time	15 seconds	15 seconds
Working time	4 - 5 minutes	2 – 2.5 minutes
Setting time	6 - 7 minutes	3.5 - 4 minutes

APPLICATION

Use of the recommended proportion of powder and liquid is essential to obtain an ideal working dough. Higher room temperature will accelerate the polymerization and therefore reduces the working time. The users can adjust the handling time by slightly varying the powder to liquid ratio. An additional amount of liquid will increase the working time.

Prepare the models either adapting a single thickness of wax to the model for spacer or applying a good separating liquid to the model to obtain a smooth and lustrous surface.

Mix the powder and the liquid with a spatula for about 15 seconds. Once the mixture reaches the gel time, the dough will come out

clean on the spatula. It is non sticky and is ready for working. For the best uniform dough, knead with wet fingers for 10 seconds.

For an uniform thickness, either spreading the dough evenly onto a polyethylene foil or pressing between two wet glass slabs into desired thickness. Transfer the pre-form plate to the model and mold, or simply put the dough mass directly onto the model and mold. Trim off the excess and use it for the handle. Wet the handle with additional liquid helps the bonding between the handle and the tray body.

CURING

At ambient temperature of 23 °C or 73 °F, the Premium Tray with the fast liquid will be self-cured after 3.5 - 4 minutes from the time of mixing. The Premium Tray with the regular liquid will set in 6 - 7 minutes. A lower room temperature and a slightly excess of monomer during mixing will increase the setting time. Allow the heat of polymerization to dissipate before the removal of the tray from its stone model. For extreme accuracy, allow the resin back to room temperature before the removal.

To order or for information:

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