GB  Instructions for use  PalaXpress® ultra

Product Description
PalaXpress ultra is a self-polymerizing denture material with improved break resistance for all below mentioned indications. It consists of powder in various shades (pink, pink opaque, pink veneer, RSO veined, clear, pink live, light reddish pink, light pink, shade 200, dark pink) and liquid. It is used for the construction or pouring techniques for fixed or removable dentures.

Composition
Main powder component: Methyl methacrylate copolymer.
Main liquid components: Methyl methacrylate, dimethacrylates, containing impact modifier.
PalaXpress ultra is cadmium-free.

Indications
Injection procedure:
- Full maxillary and mandibular prostheses
- Implant overdenture

Pouring procedure:
- Implant overdenture
- Partial dentures, multiple or single saddles
- Marginal contour and reshaping
- Repairs and additions
- Retines
- Dental spindles

Contraindication
Direct mixing with unpolymerized prosthesis material is contraindicated; for designated processing in the dental laboratory. At proven allergy to one or more components of PalaXpress ultra it is not required any application.

Note
Product contains polymerizable monomers (e.g. methylacrylates / acrylates), which may irritate the skin. If any irritation appears known allergies exist with resins based on methacrylates or acrylates, the product should not be used.

When positioning teeth in wax, do not use alcohol based separating agents (preparation of gypsum and wax), as this may cause white discoloration on the basal surface of the prosthesis.

Injection procedure
Dosage and processing
PalaXpress ultra is placed in the dosage beaker in a mixing ratio of 30 g powder : 15 ml liquid (2:1). This volume is suitable for full dentures of average size. Inject when the mixture has a dull surface. For more information on the preparation of PalaXpress ultra for injection, see the PalaXpress® instructions for use.

Polymerization
Polymerization time in the pressure vessel: 20 min, water temperature: 55°C (131°F), pressure: 2 bar.
For more information on polymerization programs, see the PalaXpress® instructions for use.

Pouring procedure
Preparation
A type II dental stone is recommended for models. The teeth positioned in wax are fixed by a stone or silicone matrix (pouring procedure for partial dentures). After removal of the wax with hot water (no chemical additives), the plaster cast is thinly coated twice with Axiol® (see instructions for use). This is the only way to ensure a high quality contact between PalaXpress ultra and the master cast.
To improve the bond between PalaXpress ultra and the prosthetic teeth, the basal surfaces are roughened with a coarse diamond (remove grinding residue) and wetted with PalaBond®. Apply PalaBond® twice with a brush (no metal ferrule) and leave for 30 sec after each coat.
After the second coat, the adhesion promoter remains active for approx 10 min.

Dosage and processing
The recommended mixing ratio for the pouring technique is 10 g powder : 7 ml liquid. Place the liquid in the mixing cup, add the specified volume of powder immediately, and stir to form a homogenous mass for a max 15 sec.
If more powder is required, add small amounts only. Prevent bubble formation. Lightly tap the mixing cup to remove air bubbles. The processing time depends upon the ambient temperature. PalaXpress ultra can be poured about 5-3 min after mixing at a room temperature of 23°C (73°F); after 4 min, a plastic phase lasting approx 7 min is reached.

Polymerization
For Polymerization in the PalaXpress® ultra or PalaXpress® ultra II, the product should be mixed and allowed to bench cure for a minimum of 7 min, and a maximum time of 15 min. The surface of the mixture should have a dull appearance. Polymerization time in the pressure vessel: 20 min, water temperature: 55°C (131°F), pressure: 2 bar.

Processing and polishing for injection and pouring
After re-occlusion, the prosthesis is removed from the model and trimmed with crosscut burs. After brushing with pumice the prosthesis is smoothed with sandpaper of decreasing grain size.

To reduce the risk of an allergic reaction even more, soak the prosthesis in lukewarm water for at least 12 hours before delivery (new fabrication or repair).

Repair
PalaXpress ultra can be reprocessed, repaired and added to with all Pala self-polymerization materials.

Storage instructions
The material should not be used after the expiration date. After opening, do not store above 25°C (77°F). Store away from direct sunlight. Always store in containers after use, and keep out of reach of children. Before using the product for the first time, ensure that the primary packaging is unbroken. In the case of damage, do not use.

Instructions regarding hazardous liquids
Highly flammable. Irritates respiratory passages and skin. Skin may be sensitive by contact. Store container in a well ventilated area. Keep away from ignition sources, do not smoke. Avoid contact with skin. Take action to prevent electrostatic discharges. Wear suitable safety glasses. In case of fire use sand, carbon dioxide or dry powder extinguishers; do not use water.

Note
For disposal please follow the instructions on the material safety data sheet or national regulations.

Attention!
We continuously adapt our products to compete in new market sectors and ever changing circumstances. Thus PalaXpress ultra “New Formula” consists of an absolutely new recipe.
Therefore please avoid mixing the older version of PalaXpress ultra powder / liquid components with this product. The new formula product has a distinguishing green label displayed on the primary and secondary packaging.