

INTENDED USE:

PORTUX 3D TRY-IN is a photopolymer indicated for 3D printing of short-term trial dentures of a full or partial nature, intended to evaluate the design's fit, esthetics, phonetics and occlusion during try-in appointments. It should only be used by dental professionals or technicians trained in the handling of 3D printing resins.

COMPOSITION:

The resin is a mixture of: Acrylic monomers

- Photoinitiators (Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide)
- Additives
- Pigments and dyes

DESCRIPTION:

Low viscosity photopolymerizable resin, suitable for the manufacturing of TRY-IN dentures, with excellent precision and definition, faithful to the digital design. This product is compatible with open source stereolithography LCD and DLP printers at 385 or 405 nm.

INSTRUCTIONS FOR USE:

Thoroughly mix the product for at least twenty minutes on a mechanical vibration device or roller before opening the product for the first time. This ensures proper functioning in the printer and color reproducibility.

In order to prevent bubbles, shake the product at least one hour prior to use it.

Print with the resin following the handling and instructions of use of your printer.

Post-Processing instructions:

- Clean printed parts in isopropyl or ethyl alcohol (>90%), preferably using an ultrasonic bath to facilitate cleaning. Immerse the prints in a container with alcohol for 5 minutes. Then immerse them in fresh alcohol for the same amount of time. It is recommended to apply compressed air gently between cleanings to remove excess resin from cavities or critical areas of the print.
- Remove the pieces from the alcohol and dry them, either by gently applying compressed air or in an oven at 40°C for 30 minutes.

IMPORTANT: Avoid curing wet or damp prints, as this affects the accuracy and final definition of the printed part.

- After cleaning and drying, place the printed parts in the NextDent LC-3DPrintbox curing unit, and cure them, as follows:

oFirst exposure: 15 minutes.

oTurnaround the printed parts and allow them to cool for 5 minutes.

oSecond exposure: 15 minutes.

WORKING IN CONJUNCTION WITH OTHER DEVICES:

This product is compatible with photopolymerizable stains or glazes. It is essential to strictly follow the usage instructions of such devices when applying them to prints made with this resin.

RESIDUAL RISKS:

- The product can generate allergic reactions due to contact with the unpolymerized material or due to the release of unpolymerized substances, which can be avoided by carrying out the post-curing process within the indicated time. In addition, biocompatibility tests guarantee the safety of the device during use.
- Printed test structures may be characterized with light-curing stains or glazes, this may cause allergic reactions upon contact with this uncured material. This is avoided by carrying out the polymerization according to the instructions of each supplier.
- Printed dental structures can be subjected to mechanical forces during use that can generate fractures, which is avoided by carrying out an adequate design in the software and carrying out adequate manipulation of the printed piece.

-Improper storage can cause a change in the polymerization properties of the resin. Light or some other type of radiation can polymerize the resin before being used, making it impossible to use. This is avoided by storing the resin as indicated and returning it to its original container after its use.

-Improper use of impressions as provisional or definitive structures can cause early fractures of the structures and allergic reactions in the patient or other adverse reactions due to overexposure to the material. This is avoided by using the test impressions in the patient's oral cavity for the stipulated time.

CONTRAINDICATIONS:

The use of dental test frameworks made of this material is contraindicated in patients with proven allergic reactions to products derived from methacrylate resins.

WARNINGS:

This product should not be used in an application other than that specified for its intended use. Try-In dentures printed with PORTUX 3D TRY-IN are biocompatible for periods of less than 24 hours, provided that the usage instructions defined in this document are followed. They should not be used for longer periods than specified.

PRECAUTIONS:

Use in children, pregnant or lactating women is not recommended.

STORAGE:

The product must always be kept within its original packaging at room temperature (< 30°C), avoiding the following conditions:

- Direct exposure to sunlight or other types of radiation.
- High heat or humidity sources.
- Dust or any other type of contaminant.

FINAL DISPOSAL:

Do not dispose this product in water sources or sewage systems. This product should not be discarded in soil or subsoil. Disposal should be carried out through an authorized waste management company, in accordance with national and local regulations.

SHELF LIFE:

2 years.

