Prevest
C&B, Permanent

PREVESTDenPro®
THE FUTURE OF DENTISTRY

3D Printing Resin for Fabrication of Permanent Crown & Bridge

Caution: US federal law restricts this product for sale by or on order of a dentist or physician.

Product Description : Prevest C&B, Permanent resin is a light-curing material for the 3D printing of dental prosthesis for use in LCD and DLP 3D printers as reactive to wavelength of light between 385nm and 405nm.

Composition : Methacrylates, Photo-initiator, Inhibitor and Pigment.

Intended Purpose / Intended Use : Prevest C&B, Permanent resin is intended for the correction or reconstruction of functionally compromised natural dentition by fabricating customised 3D printed dental prosthesis.

Indications for Use : It is used for the fabrication of 3D printed permanent crown & bridges, inlays, onlays and veneers.

Indications for Hygiene : Restoration made of Prevest C&B, Permanent resin should be cleaned with sufficient amount of water. The finished restorations can be disinfected with an ethanol/isopropyl alcohol.

Instructions for Use :

Processing : Make sure to work as clean as possible, dirty reservoirs or equipment can cause deformation and therefore failure of the printed objects.

Shake for 5 minutes before use : Shake the bottle for at least 5 minutes prior to the mixing process on the roller mixer. This is required to loosen the (possible) sediment from the bottom of the bottle.

Thoroughly mix before using :

1. For first time use before opening the bottle, mix the product for 1.0 hours on the roller mixer to disperse the resin & the pigments adequately.

2. Before each subsequent use, mix the product for 20.0 minutes on roller mixer to avoid print failures which may occur when mixed insufficiently.

Fill printer resin tray : Make sure the temperature of the resin is between (20-25°C/68-77°F) and prevent exposure to (sun) light. Pour the resin in the resin tray of the 3D printer. Do not mix different batches of the same product.

Printer settings : Only use the calibrated and/or predetermined settings for your LCD and DLP 3D printer and Post-Cure system as mentioned in Prevest website. The resin can only be used with a 385nm – 405nm UV light source.

Remove printed parts from platform : When the 3D printer has finished its program remove the build platform from the machine. Place the platform on plastic sheet. The printed parts can now be removed from the platform using a metal scrapper.

Cleaning printed parts : The developed printed parts to be transferred into the separate tray and cleaning should be performed by directly spraying ethanol/isopropyl alcohol on each individual part by holding into the hand. After complete removal of the uncured resin, the parts should be dried by wiping using lint free tissues.

Post-Curing : Post-Curing is an UV-light treatment to ensure that printed parts obtain optimal polymer conversion. Through this the residual monomer is reduced to a minimum and the required mechanical properties are obtained. This procedure is necessary to achieve the desired material properties using the Post-Cure system. Dip the cleaned cured parts into the glycerine in a glass petridish and use the prescribed curing time of 25-30 minutes using LED power of 36 watt with LED source of 405nm LED arrays. After prescribed time remove the cured parts from glass petridish and wipe it with lint free tissues.

Warnings :

The product contains polymerizable substances which may cause skin irritation. If contact with skin occurs, wash thoroughly with soap and water. If skin sensitization occurs, discontinue use. Avoid inhalation or ingestion.

Precautions :

- ♦ Recommended for dental use only.
- ♦ Use of nitrile gloves is recommended until post-curing.
- ♦ Restorations made of Prevest C&B, Permanent resin should not be cleaned with chemical products.
- ♦ Expired or unused resin should be completely cured or polymerized prior to disposal.

Contraindications : Prevest C&B, Permanent resin should not be used for any other purpose than as a 3D print resin for the manufacturing of dental prosthesis. Any deviation from this instruction for use may have adverse effect on the chemical and physical quality of Prevest C&B, Permanent resin. In case of an allergic reaction, please contact a medical physician.

Storage Condition : Store the resin in original packaging, preferably in cool and dark place, store at temperature between 10°C(50°F) to 24°C(75°F) and away from high temperatures or direct sunlight.

Shelf Life : 3 years from the date of manufacturing.

Presentation :

Ref : 18016
250g Bottle
Ref : 18007
500g Bottle
Ref : 18008
1000g Bottle

Shades : A1, A2, A3, A3.5, B1, B2, B3, C2, D3, Bleach and Extra Bleach

Disposal Conditions : To be disposed off based on the prevailing rules of the country in which it is used.

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LOT Symbol for "BATCH CODE" Symbol for "USE-BY DATE" Symbol for "NON STERILE" Symbol for "KEEP DRY" Symbol for "CAUTION" Symbol for "CONSULT INSTRUCTION FOR USE"

REF Symbol for "CATALOGUE NUMBER" EC REP Symbol for "AUTHORIZED REPRESENTATIVE IN THE EUROPEAN COMMUNITY/EUROPEAN UNION" Symbol for "DO NOT USE IF PACKAGE IS DAMAGE" Symbol for "WARNING"

Symbol for "KEEP OUT OF THE REACH OF CHILDREN" Symbol for "MANUFACTURER" Symbol for "TEMPERATURE LIMIT" Symbol for "KEEP AWAY FROM SUNLIGHT" MD Symbol for "MEDICAL DEVICE" UDI Symbol for "UNIQUE DEVICE IDENTIFIER"

The material has been developed solely for professional dental use. Application should be carried out strictly according to the instruction for use. Liability cannot be accepted for damages resulting from failure to observe the instructions of the stipulated area of applications. The user is responsible for testing the material for its suitability and use for any purpose not explicitly stated in this instruction sheet. Description and data constitute no warranty of attributes and are not binding. For feedback, complaints and reporting of unexpected events contact customer care.