

Form of delivery

REF D35100

FotoDent® cast

1.0 kg bottle



Shake
before use



Warning



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Dreve

FotoDent[®] cast 385 nm / 405 nm

Directions for use

For Carbon printers[®]

Carbon[®]

For Carbon printers[®]

FotoDent[®] cast for Carbon printers

Intended use

FotoDent[®] cast is a material based on (meth-)acrylate resin for DLP systems with 385 nm / 405 nm LED for the manufacturing of profiles that burn out without any residue for the dental casting technology. When printing with Carbon's printers, it is recommended to post cure the printed parts using the PCU LED N₂. This cure unit is optimally balanced for the production process.

Processing

- During the application of FotoDent[®] cast we recommend wearing personal protective equipment (i. e. safety glasses, lab coat, closed-toe shoes, gloves, etc).
- Please see further steps within printer manual.
- FotoDent[®] cast should be shaken well 1 hour before use.
- Carefully pour FotoDent[®] cast into the cassette.
- Processing temperature:
Carbon M1 / M2 22 ± 3 °C
- Select the matching resin menu option in Carbon's software and begin the printing process.
- After printing is complete, the parts should be post processed as follows:
- Disconnect supports from delicate clasp regions prior to part removal from the platform. Remove parts from the platform and detach remaining supports from the part.
- Wash parts using 99% isopropanol (IPA) on the orbital shaker (Setting at 60 RPM) for 5 minutes. Then using new IPA, wash parts again for an additional 5 minutes using the same orbital shaker settings, and let dry before final cure.
- Post curing
PCU LED N₂ 6 minutes, 80 %
light power (vacuum)
- Remaining Fotodent[®] cast resin may be reused by filtering the cassette contents back into the original bottle.

When embedding FotoDent® cast, please note the manufacturer's data of the used embedding materials. To ensure that the resin combusts without any residue, a holding time of 60 minutes at 800–900 °C is recommended.

To avoid damaging the material quality do not expose the liquid resin to light under any circumstances. Variations from the described manufacturing process may lead to modified mechanical characteristics and/or colour variations of the FotoDent® cast material.

Possible dangers

Please note the safety instructions for processing FotoDent® cast.

Hazard statements: H317 May cause an allergic skin reaction.

Precautionary statements: P261 Avoid breathing dust/fume/gas/mist/vapours/spray. **P280** Wear protective gloves. **P304+P340** IF INHALED: Remove person to fresh air and keep comfortable for breathing. **P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **P501** Dispose of contents/container in accordance with local/regional/national/international regulations. **P312** Call a POISON CENTER/doctor if you feel unwell

Contains: Diurethandimethacrylate, triethylene glycol dimethacrylate, phenyl bis(2,4,6-trimethylbenzoyl)-phosphineoxide

Lot number / Expiration date

The lot number and the expiration date are indicated on each FotoDent® cast bottle. In case of claims please always indicate the lot number of the product. Do not use the product after the expiration date.
