



INSTRUCTION FOR USE

iCem Temp

COMPOSITION

Zinc oxide, magnesia, orthophosphoric acid, zinc phosphate, aluminium phosphate, calcium fluoride

PROPERTIES

Zinc-phosphate cement **iCem Temp** is produced in white color.

To get a cement, mix powder, containing modified zinc oxide and magnesia, with liquid, which is a solution of orthophosphoric acid, zinc phosphate and aluminium phosphate. Calcium fluoride additive in material reduces the risk of secondary decay by inhibiting fermentation and glucose decomposition to milk acid. Mix powder and liquid at the weight ratio of 2:1 to get a plastic paste which forms cement with compression strength 105MPa.

Film thickness of cement for crown fixation does not exceed 20 µm.

INDICATIONS

iCem Temp cement is used for:

- filling of milk teeth
- filling of teeth under crowns
- fixation of crowns, dental inlays, pin teeth, single crowns and dental bridge works

CONTRAINDICATIONS

Drug idiosyncrasy

Do not misuse

SIDE EFFECTS

As far as all terms of storing, transporting and application are observed, there are no side effects

METHODS OF USE

Powder should be mixed at room temperature between (18-23)°C and relative humidity (50±10)%.

Attention! High temperature decreases working time of material. At the temperature above 23°C place mixing pad or powder with liquid in refrigerator for 10 minutes. For convenience at work it is recommended to make a test mixing of powder with liquid.

To get a cement paste mix powder with liquid. At first mix small amounts of powder (1/8, 1/4, 1/2) with liquid, then add the rest amount of powder. During adding of each portion, thoroughly mix mass on the pad with spatula by circular motions, to get a homogeneous consistency. Mixing time should not be more than 1 minute.

For fixing of permanent denture mix 1 dosage meter (0.18-0.21) g of powder with 2 drops of liquid (0.10-0.12) g. Cement paste should be fluid and keep plasticity for 2 minutes. During working time of material, fill the crown with cement and fix it on prepared tooth without too much compression. Patient should occlude. Cement hardens within 7-8 minutes in oral cavity. After hardening remove cement excesses.

For filling of teeth mix 2 dosage meters (0.37-0.42) g of powder with 3 drops of liquid (0.15-0.18) g. Cement paste should keep its plasticity for 1-1.5 minutes and harden within 5-6 minutes in oral cavity. Tooth, prepared for filling, should be isolated from saliva. Fill the cavity with cement and form the filling within working time of material. After hardening of the material polish the filling. It is recommended not to eat or drink for 2 hours after procedure.

PRESENTATION

Powder (bottle)	15 g
Liquid (bottle)	10 ml
Measuring spoon	1 piece
Mixing pad	1 piece

STORAGE

Store at the temperature from 5 °C to 25 °C

Tightly close bottle immediately after use

Do not use after expiry date

Shelf life – 3 years

MANUFACTURER

Nanoplant Höchst GmbH

Neue Str. 67

Seebach 99846, Germany

Tel. +49 36929 574074

Fax +49 36929 574067

E-mail: info@nanoplant-hoechst.de

Web: www.nanoplant-hoechst.de

For professional use only

Date of last revision: 2018-03