



CE 0482

# SPEIKO® Zinc Phosphate Cement

(previously Zhanelka Microphos)

## Composition:

Powder contains zinc oxide, silicon dioxide, aluminium oxide, calcium oxide, sodium oxide, magnesium oxide.  
Liquid contains phosphoric acid, aluminium ions and zinc ions.

## Fields of application:

- For lining under metal and synthetic fillings
- As fixation cement for crowns and bridges, pivots as well as orthodontic bands
- For temporary fillings
- For reconstructive fillings

## Contra-indications:

- Do not apply to near-pulp dentin and/or opened pulp chamber due to possible damage to pulp
- Increased erosion is to be expected with increasing storage time
- In case of hypersensitivity to ingredients

## Side effects/interactions:

Irritation of the pulp may occur after cementing and the use as lining and temporary filling.  
None known if used according to intended purpose.

## Dosage, type and duration of treatment:

SPEIKO® Zinc Phosphate Cement is mixed with SPEIKO® Universal Liquid Phospho normal or fast setting with the aid of a metal or plastic spatula. Two drops of liquid bind a level spoon of the powder; the ideal mixing ratio of powder to liquid is 2.2 g : 1 g. The mixing process should be completed after approx. 1 minute. Initially, a small amount of powder is stirred into the liquid to eliminate the surface tension of the liquid. Further powder can then be added.

Prepare, clean and dry the surface of the cavity for the filling, so that the cement can be added immediately after mixing. It is imperative that the access of moisture is prevented.

The setting time, calculated from the start of the mixing process, amounts to approx. 2.5–8 minutes, depending on the usage of SPEIKO® Universal Liquid Phospho normal or fast setting. Proper setting can be tested based on the residue on the glass plate.

## Notes:

SPEIKO® Universal Liquid Phospho contains phosphoric acid, which may cause chemical burns.

In case of accidental contact with skin, mucous membranes or eyes, rinse with water immediately.

The filling can be subjected to pressure after 2 hours.

SPEIKO® Zinc Phosphate Cement Powder and SPEIKO® Universal Liquid Phospho normal setting and fast setting may not be used after the expiration date.

Storage at room temperature.

## Trading formats:

SPEIKO® Zinc Phosphate Cement	Colour 2 light yellow	Content: 100 g	Art. no. 1455
SPEIKO® Universal Liquid Phospho normal setting		Content: 20 ml	Art. no. 1454
SPEIKO® Universal Liquid Phospho fast setting		Content: 20 ml	Art. no. 1457
Accessories: Dosage spoon for powder			

Status of information: January 2017