

Schottlander Zinc Phosphate Cement

Instructions for Use

INTRODUCTION

Schottlander Zinc Phosphate Cement is a fine grain rapid setting light yellow zinc phosphate luting cement complying with EN ISO 9917-1:2007 Dentistry - Water based cements.

INDICATIONS

The cementation of inlays, crowns, bridges, facings, orthodontic appliances and intra-oral splints.

CONTRA-INDICATIONS

In deep or sensitive cavities first line the preparation with calcium hydroxide. In rare cases pulpal irritation may occur with zinc phosphate cements.

DISPENSING AND MIXING

Dispense the required amount of the liquid and powder onto a clean smooth dry glass slab. Powder liquid ratio is 1.8:1 (m:m) or 3.0:1 (m:v). Divide powder into six parts and incorporate successive small increments of powder into the liquid, spatulating thoroughly after each addition. A stainless steel spatula may be used. The temperature range for preparation is 22-24°C. Cooling the slab will give a longer working time, but care must be taken to avoid condensation in humid conditions. A smooth creamy mix should be attained.

Always add powder to liquid and not the reverse.
Do not add liquid once mixing has commenced.

MIXING AND WORKING TIME

Mixing time should be approximately 1 minute 30 seconds. Working time from start of mix is a minimum 2 minutes 15 seconds. The net setting time according to EN ISO 9917-1:2007 is 7 minutes. The more rapidly the powder is incorporated the faster the material will set.

PLACEMENT

Place the mixed cement using a suitable instrument. Ensure that the preparation or cavity remains dry and free of salivary contamination.

FINISHING

Excess material may be removed at once or after completion of the setting time (see above). Finishing can commence approximately 7 minutes from end of mixing. For removal of surplus material after crown cementation use dental floss and appropriate hand instruments such as a dental probe.

CLEANING OF INSTRUMENTS

Zinc phosphate cements adhere to instruments and glass slabs. Immediately after use either clean instruments with water or drop into instrument disinfectant to facilitate subsequent cleaning.

TESTING

For test purposes, the powder liquid ratio is 1.80g to 1.00g at $23 \pm 1^\circ\text{C}$ and $50 \pm 10\%$ R.H. EN ISO 9917 net setting time: maximum of 6 minutes 30 seconds from end of mix at 36 to 38°C .

STORAGE

Store in a cool dry place $5-25^\circ\text{C}$ away from direct sunlight. Replace caps immediately after use.

HEALTH & SAFETY

Keep away from children. Liquid contains orthophosphoric acid - H314 Causes severe skin burns and eye damage. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid prolonged contact of the liquid with soft tissue. Wash skin with soap and water. Powder is very toxic to aquatic organisms, avoid release to the environment.

For further information request Safety Data Sheet.

LOT NUMBERS

The lot number and the expiry date are shown on all containers.

This product is specifically formulated for use in dentistry.