

# Schottlander Opuscem

## Instructions for Use

### INTRODUCTION

Opuscem is a rapid setting dental glass ionomer (glass polyalkenoate) luting cement, according to EN ISO 9917-1:2007. The powder is mixed with water to produce a luting cement for crowns, bridges and inlays. Rapidly increasing pH during setting produces excellent biocompatibility. Excellent translucency gives the optimum aesthetics under all ceramic crowns.

### INDICATIONS

This material is suitable for use in cementing crowns, bridges, inlays, onlays and orthodontic bands.

### CONTRA-INDICATIONS

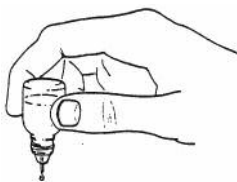
Not recommended as a lining material or where the tooth may be particularly sensitive. Small areas of dentine close of the pulp should be protected with a calcium hydroxide liner.

### PROPORTIONS

Two drops of water per level **clear** scoop of powder (see below).

### DISPENSING AND MIXING

Fill the water dispenser supplied to a **maximum of two-thirds** with distilled or clean drinking water and place the plastic insert with the metal tube into the neck. Invert the powder bottle to 'fluff' the contents to ensure correct volume. Measure out a level scoop onto a clean glass slab by drawing a flat blade across the surface, taking care not to compress the powder. Holding the bottle vertically (see diagram), dispense two drops of water per scoop of powder. Divide the powder in half. Using a stainless steel spatula mix one half with the water taking about 15 seconds. Add the remaining powder, mixing quickly until a uniform syrup-like consistency is obtained.



**NOTE:** The correct powder/water ratio is 3.6:1 by mass at 23 ±1°C and 50 ± 10% relative humidity. The recommended temperature range for preparation is 22-24°C.

### MIXING AND WORKING TIMES

Mixing time at 23°C 30 seconds  
Working time from start of mix at 23°C 2 mins 45 seconds minimum

### PLACEMENT

Apply the mixed cement using a suitable instrument. Ensure that the preparation remains free of salivary contamination. Excess cement may be removed immediately or after cement has set. Between 2-5 minutes from start of mixing, the cement is in a rubbery state. **DO NOT** attempt to remove cement at this stage.

### CLEANING

Clean the filling instrument or spatula immediately using running water.

### STORAGE

Store in a cool dry place away from direct sunlight. **Replace the cap of the powder bottle immediately after use as moisture contamination adversely affects the properties.** If the desiccant tablet turns pink discard the product.

### HEALTH AND SAFETY

Both powder and cleanser contain polyacrylic acid. Avoid contact with eyes. In the event of contact rinse immediately with plenty of water and seek medical advice.

**For further information request Safety Data Sheet.**

### TESTING

For test purposes the powder:liquid ratio is 1.08g:0.30g at 23±1°C and 50±10% relative humidity. The net setting time is a maximum of 5 minutes from end of mix at 36-38°C.

### LOT NUMBERS

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

This product is specifically formulated for use in dentistry.

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