



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: Class 4.2a. Contains fluoride.

INDICATIONS

For cementing orthodontic brackets and bands.
For cementing metal and ceramic crowns, bridges, inlays and onlays.

CONTRA-INDICATIONS

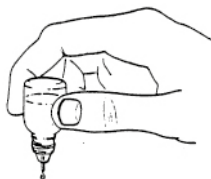
Pulp capping.

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 for 10 - 15 seconds, then add the remaining powder, mixing quickly until a uniform syrup-like consistency is obtained. Total mixing time is 30 seconds. **DO NOT ADD POWDER IN SMALL INCREMENTS.**



NOTE: The correct powder/water ratio is 3.6:1 by mass at $23 \pm 1^\circ\text{C}$ and $50 \pm 10\%$ relative humidity. The recommended temperature range for preparation is $22-24^\circ\text{C}$.

MIXING AND WORKING TIMES

WORKING TIME:

A minimum of 1 minute 45 seconds from start of mix at $22-24^\circ\text{C}$.

CLINICAL SETTING TIME:

A maximum of 6 minutes from end of mix.

PLACEMENT

Apply the cement on completion of mix. Using normal instruments. Excess cement may be removed immediately or after cement has hardened. **Do not attempt to remove cement whilst in rubbery phase as adhesion may be impaired.** Clean instruments immediately on completion.

CLEANING

Clean the filling instrument or spatula immediately using running water.

STORAGE

Store powder in a cool, dry place. The powder is protected against moisture uptake by a desiccant capsule. Always replace caps immediately after use.



HEALTH AND SAFETY

Do not expose patients or users known to be allergic to this type of material. Avoid contact of liquid and powder with oral mucosa, eyes and skin. In the event of contact, rinse with copious quantities of water and seek medical assistance. Powder contains polyacrylic acid.

Warning: H319 – Causes serious eye irritation.

Precautions: P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention.

For further information download a Safety Data Sheet from www.schottlander.com



TESTING

For test purposes the powder:liquid ratio is 1.08g:0.30g at $23 \pm 1^\circ\text{C}$ and $50 \pm 10\%$ relative humidity. ISO 9917 setting time is a maximum of 5 minutes from end of mix at $36-38^\circ\text{C}$.

LOT NUMBERS

The lot number and expiry date are shown on all outer containers. The expiry date is shown in year, month format. Do not use the product after this date.

REF 055-1 30g Powder

This product is specifically formulated for use in dentistry and is intended for use by dental professionals only.

Opus is an internationally registered trademark of Davis Schottlander & Davis Limited.



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