

Schottlander Opusfil

Instructions for Use

INTRODUCTION

Opusfil is a rapid setting dental glass ionomer (glass polyalkenoate) restorative cement according to EN ISO 9917-1:2007 and adheres to tooth substance. It is supplied as a powder to be mixed with water.

INDICATIONS

The material is suitable for use in:

1. Class III cavities.
2. Class V cavities.
3. Deciduous teeth.
4. Sticky fissures.

CONTRA-INDICATIONS

In very deep cavities (approximately 0.5mm from the pulp) the dentine should first be covered with a calcium hydroxide liner.

CAVIITY PREPARATION

Opusfil restorative is adhesive both to dentine and enamel and therefore cavity preparation should be the minimum required for caries removal and prophylaxis. Undercuts and dove-tails are only necessary when the restoration is liable to be subject to high stress.

After cutting the cavity, wash with water and dry thoroughly with oil-free air. Treat remaining areas of **exposed and uncut** dentine and enamel for 15 seconds with a conditioning fluid (25% polyacrylic acid) such as Opusfil Tooth Cleanser. Apply with a brush or cotton plect, agitating the fluid continuously. Wash away with water and dry with compressed air.

SHADE SELECTION

Select the required colour. The initial appearance of the restoration will look different since translucency, which affects colour, develops over 24 hours. Shades A1, A2, A3.5, B2, B4, C3 and Cervical Brown (CB).

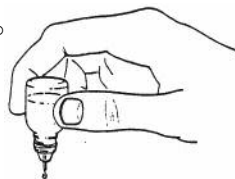
PROPORTIONS

One drop 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 one drop 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 putty like consistency is obtained. Do not add powder in small increments.

NOTE: The correct powder/water ratio is 7:1 by mass at $23\pm 1^{\circ}\text{C}$ and $50\pm 10\%$ relative humidity. The recommended temperature range for preparation is $22\text{-}24^{\circ}\text{C}$.

MIXING AND WORKING TIMES

Mixing time at 23°C 30 seconds
Working time from start of mix at 23°C 1 min 20 seconds minimum

PLACEMENT

Apply the mixed cement using a suitable instrument. Ensure that the cavity remains dry and free of salivary contamination. If a stainless steel matrix is used, coat internal surface, preferably before placement, with separating medium such as light cured resin or a thin film of petroleum jelly. Be careful not to apply this to the cavity margins if coated after placement.

FINISHING

Approximately 6 minutes after placement of fast set the restoration is sufficiently hard for finishing. Large excesses of material can be removed using a white stone or flexible disc which has been lubricated with petroleum jelly. Use discs lubricated with petroleum jelly for final finishing.

PROTECTION WHILST SETTING

In common with other glass ionomer restoratives the setting reaction of Opusfil takes up to 24 hours to complete. Protect the surface with a suitable light curing resin to allow this to take place out of contact with moisture.



Do not attempt to carve this material.
Lubricate abrasives with petroleum jelly.
Do not use water spray.

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

Avoid contact of both cleanser and powder with eyes. In case of accidental 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 1.05g: 0.15g at $23\pm 1^{\circ}\text{C}$ and $50\pm 10\%$ relative humidity. The net setting time is 2 minutes 30 seconds maximum from end of mix at $36\text{-}38^{\circ}\text{C}$.

LOT NUMBERS

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

This product is specifically formulated for use in dentistry.

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