



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. Contains fluoride.

INDICATIONS

Class V cavities.
Class III cavities.
Class I and II cavities in deciduous teeth.
Non-load bearing Class I and II cavities in permanent teeth.
Pits and fissures.

CONTRA-INDICATIONS

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

CAVITY PREPARATION

Glass Ionomer restoratives, because of their adhesive qualities, can be used with minimal cavity preparation techniques. (Adhesion to set amalgam restorations may be useful in certain situations). Cavity liner is required only in the deepest cavities where calcium hydroxide should be used. In class V erosion lesions, Tooth Cleanser (25% polyacrylic acid solution) should be applied on a pledget of cotton wool for 30 seconds to clean the tooth surface. Wash with water and dry using oil-free air. In areas which are heavily coated with plaque or tartar, prophylaxis using oil-free prophylaxis paste prior to tooth cleansing is required. In cut cavities, the use of tooth cleanser is not required unless subsequent contamination with saliva occurs.

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 A2, A3.5 and B2.

PROPORTIONS

One drop of water per level **clear** scoop of powder.
(see Dispensing & Mixing opposite).



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. Do not compress powder against side of the bottle with the scoop. 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 as quickly as possible taking about 5 - 10 seconds then add the remaining powder, mixing quickly until a uniform putty like consistency is obtained. **Do not add powder in small increments. Total mix time 30 seconds.**

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 $22-24^\circ\text{C}$.

PLACEMENT

Apply to cavity using normal instruments (non-stick aluminium instruments are particularly suitable). To avoid cement adhering to steel instruments, dip the clean instrument either into the powder or methylated spirit. If stainless steel matrices are used, they should be lightly coated with petroleum jelly.

MIXING AND WORKING TIMES

WORKING TIME

Fast Set: Minimum 1 minute 20 seconds from start of mix at $22-24^\circ\text{C}$.

CLINICAL SETTING TIME

Fast Set: Maximum 3 minutes from end of mix.

FINISHING

Best results are obtained by polishing with abrasive discs and stones using water spray lubrication during a subsequent visit. At 6 minutes after placement the material is hard enough to finish using abrasive discs and stones, but petroleum jelly must be used as lubricant to prevent excess heat and desiccation of the cement. After finishing, the surface should be coated with varnish for protection from moisture.

STORAGE

Store in a cool, dry place.

The powder is protected

against moisture uptake by a desiccant capsule, but the cap should be replaced immediately after use.



CLEANING

Clean the filling instrument or spatula immediately using running water.

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 case of such contact, wash thoroughly with large quantities of water and obtain medical advice as soon as possible.

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 1.05g:0.15g at $23 \pm 1^\circ\text{C}$ and $50 \pm 10\%$ relative humidity. ISO 9917 setting time: fast set 2 minutes to 2 minutes 30 seconds from end of mix at $36\text{--}38^\circ\text{C}$.

LOT NUMBERS & EXPIRY DATES

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

REF	0801-A2	10g Powder shade A2
	0801-A3.5	10g Powder shade A3.5
	0801-B2	10g Powder shade B2

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.



Advanced Healthcare Ltd.,
Tonbridge, Kent, TN11 8JU, UK



Advena Ltd. Tower Business Centre,
2nd Flr., Tower Street, Swatar, BKR 4013 Malta.



W5420/110722