



CE 0120



GLASS IONOMER AESTHETIC RESTORATIVE (POWDER-LIQUID)

ISO 9917-1

DIRECTIONS FOR USE

Features:

Adheres chemically to enamel, dentine and cementum. Contains and releases fluoride ions. Coefficient of thermal expansion close to tooth. Suitable for use with minimal cavity preparation techniques. A fast setting Glass Ionomer with excellent translucency and Vita® shaded for optimum aesthetics. Recommended for use in difficult operating conditions such as domiciliary visits to elderly and handicapped patients.

Indications:

- i Class V cavities (particularly erosion lesions).
- ii Class III cavities.
- iii Posterior cavities in deciduous teeth.
- iv 'Sticky' pits and fissures.
- v Free-hand veneering.
- vi Selected cuspal repairs.

Cavity Preparation:

Use minimal tooth reduction whenever possible. Calcium hydroxide liners need only to be used in deep cavities. For areas of uncut surfaces, to which adhesion is required, apply SHOFU Hi-Toothcleanser (25% Polyacrylic acid solution) for a maximum of 30 seconds using a pledget of cotton wool. Wash with water and dry with oil-free air. In areas which are heavily coated with plaque or tartar, prophylaxis with Oil Free Prophypaste prior to tooth cleansing is required. If freshly cut dentine or enamel is contaminated with saliva, apply tooth cleanser for 10 seconds only before washing with water and drying with oil-free air.

Mixing:

The recommended powder-liquid ratio is 4.5:1.m:m at 22-24°C and RH 40-60%. Use a clean and dry polished glass slab and a stainless steel 'silicate' spatula. Invert the bottle to 'fluff' powder for accurate dispensing. Measure ONE scoop of powder onto glass slab taking care not to compress powder against side of bottle with the scoop. Remove excess powder from the scoop using the straight edge of the semi-circular insert.

Dispense ONE 'bubble-free' drop of Hi-Fi liquid onto the glass slab. Incorporate half the powder into the liquid and mix for 10-15 seconds, then add the remaining powder and spatulate to a uniform putty-like consistency. Total mixing time is 30 seconds. DO NOT ADD POWDER IN SMALL INCREMENTS.

Working time: 1 minute 30 seconds to 2 minutes from start of mix at 22-24°C.

Clinical setting time: 2 minutes 30 seconds to 3 minutes 30 seconds from end of mix.

Placement:

Place into cavity using normal instruments. To avoid material adhering to instruments, dip the clean instrument into the powder or methylated spirit. When using stainless steel matrices, coat lightly with petroleum jelly. The use of coated soft aluminium in the form of either interproximal and cervical matrices is recommended – these do not require lubrication. Avoid contamination of filling with saliva or water during placement. Immediately after removal of matrix apply a thin layer of Hi-Glaze resin with a suitable brush and cure using a dental surgery light at 470nm for 10 seconds. Reapply and cure glaze following any subsequent adjustment to ensure optimum aesthetics.

Finishing:

Best results are obtained by polishing with abrasive discs or stones at a subsequent visit using water spray lubrication. At 7 minutes after placement, the material is hard enough to finish using abrasive discs and stones, but petroleum jelly must be used as a lubricant to prevent excess heat and desiccation of cement. For optimum polished surface SHOFU WHITE STONES AND SUPER-SNAPS should be used. After finishing, it is recommended to coat the surface with SHOFU Hi-Glaze for protection from moisture. Light cure using a dental surgery light at 470nm for 10 seconds.

Warnings:

Avoid contact of powder, liquid, Hi-Glaze and Hi-Toothcleanser with the eyes. In case of contact, wash thoroughly with water and obtain medical advice.

Storage:

Store in a cool dry place (5-25°C). The powder is protected against moisture uptake by a desiccant capsule, since moisture ingress can adversely affect the shelf life. Always replace caps immediately after use.

Batch Codes:

The batch code gives an open date of manufacture in month, year, day format with a numerical suffix to uniquely identify the batch of material. Please quote this batch number in all correspondence.

For test purposes, the powder-liquid ratio is 0.90g to 0.20g at 22-24°C and RH 40-60%. ISO 9917-1 net setting time: 2 minutes to 3 minutes from end of mix at 36-38°C.

Caution: U.S. Federal Law restricts this device to sale by or on the order of a dental professional.

**SPECIALLY FORMULATED FOR USE IN DENTISTRY
DO NOT USE AFTER EXPIRY DATE.**

Vita® Vita Zahnfabrik GmbH, Bad Sackingen, Germany.



Manufactured by
SHOFU INC. 11 Kamitakamatsu-cho, Fukuine, Higashiyama-ku, Kyoto 605-0983, Japan.

SHOFU INC. Singapore Branch, 10 Science Park Road #03-12, The Alpha, Science Park II, Singapore 117684.

SHOFU DENTAL CORPORATION, 1225 Stone Drive, San Marcos, CA 92078-4059, USA.

SHOFU UK, Riverside House, Riverside Lawn Road, Tonbridge, Kent, TN9 1EP, UK.

SHOFU DENTAL TRADING (SHANGHAI) CO. LTD., No.645 Jiye Road, Sheshan Industrial Park, Songjiang 201602, Shanghai, China.

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Made in the United Kingdom



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