



Schottlander Ultra Fine Glass Composite

Instructions for Use

INTRODUCTION

Schottlander Ultra Fine Glass Composite is an intra-oral light curing polymer-based dental restorative material for use in all cavity classes according to EN ISO 4049: 2019. It is radio-opaque and has high strength and outstanding colour stability and handling properties combined with high polishability and abrasion resistance. It is supplied both in 3g syringes and in 0.3g compules.

INDICATIONS

This material is suitable for use in anterior and posterior restorations (classes I-V), including the restoration of occlusal surfaces, masking of discoloured enamel and for periodontal splinting.

CONTRA-INDICATIONS

Not recommended for use with material containing eugenol or without prior lining in close proximity to the pulp, when a dry working field or the recommended working technique is not possible or when allergies against any component of this material are known.

SHADE SYSTEM

Schottlander Ultra Fine Glass Composite is supplied in shades A2, A3 and A3.5. Shades according to Vita. Vita is the registered trade mark of Vita Zahnfabrik H. Rauter GmbH.

TOOTH PREPARATION

Clean the tooth before preparation using oil free polishing paste and water. Remove any residue with water spray. It is recommended to use rubber dam. Prepare the cavity as recommended for adhesive dentistry. Protect areas close to the pulp with a thin layer of calcium hydroxide. When necessary, etch using either the total etch technique or a self-etching primer of your own choice before applying an adhesive. Apply the etchant and adhesive in accordance with the manufacturers instructions. A lining of flowable composite or compomer may be applied if required. Where applicable, a matrix should be used.

APPLICATION AND CURING

When using Schottlander Ultra Fine Glass Composite in syringes dispense the chosen shade on to the mixing pad, which should be kept out of direct light. Place immediately in the mouth using a suitable instrument. When using the direct delivery system insert the compule into the applicator, remove the end from the tip and express directly into the cavity using firm even pressure.

The light-curing unit should have 450nm output and should be regularly checked. Position the light as close as possible to the restorative material.

Cure in 2mm layers for approximately 40 seconds each depending upon the light unit being used. Do not remove the soft oxygen-inhibited layer, which will be needed to bond to the next layer.

FINISHING

Immediately after curing, Schottlander Ultra Fine Glass Composite can be finished using diamonds, tungsten carbides and finishing stones. It is recommended to use the Schottlander gold diamond finishing kit starting with fine (45 micron) and finishing with extra fine (20 micron) diamonds. A final high lustre can be obtained with polishing paste using polishing cups/discs.

STORAGE AND EXPIRY

Store in a cool dry place, below 25°C and away from direct sunlight. The shelf life is improved by storing at 7-10°C. Close syringes immediately after use to prevent premature setting due to ambient light. Do not use after expiry date.

HEALTH AND SAFETY

When allergies, in particular to methacrylates, are known to exist avoid contact of composite paste with skin. If accidental contact occurs wash immediately with soap and water. In case of contact with eyes, rinse immediately with plenty of water and consult a physician.

For further information request Safety Data Sheet.

Side effects are not known at the present time although hypersensitivity to components of the material may exist in rare cases.

LOT NUMBERS

The lot number is shown on all containers.

EN ISO 4049: 2019 CLASSIFICATION

Schottlander Ultra Fine Glass Composite is classified as Type 1, Class 2, Group 1. The principle organic component of the polymer base is Bis-GMA. Filler particles are in the range 0.02 to 1.5µm. Percentage total by volume of inorganic filler is 64% (77% by weight).

This product is specifically formulated for use in dentistry.