

## ProFil™ Flow

### Universal Flowable Restorative Material

ProFil™ Flow is a visible-light activated, radiopaque, flowable composite.

ProFil™ Flow offers high compressive and tensile strength for optimal wear resistance based on the advanced technology of ProFil™.

**Available Shades\*:** A1, A2, A3, A3.5, B1, B2, C2

\* All shades correspond to Vita™ shade guide (Vita is a registered trademark of Vita Zahnfabrik, Germany)

#### INDICATIONS

Cementation or fixation of restorations or dental, direct restorative materials in the treatment of dental caries and veneering.

#### CONTRAINDICATIONS

In rare cases the product may cause sensitivity to some persons. If such reactions are experienced, discontinue use of the product and refer to a physician.

#### ESSENTIAL INGREDIENTS

Glass fillers, Amorphous silica, methacrylate resin monomers, Polymerization activators, Pigments.

#### DIRECTIONS FOR USE

##### Preliminary:

1. Prophylaxis: Clean teeth with pumice and water to remove surface stains or extraneous plaque.
2. Shade selection: Teeth are not monochromatic and the tooth can be divided into three color characteristic regions: Gingival, body and incisal areas.  
When considering shade and restoration depth, it is recommended to choose the shade after mocking up. Alternatively, \*Vita™ Lumin Vacuum color shade guide may be used. It is recommended to use rubber dam for isolation.

##### Instructions:

1. Cavity preparation: Use the conventional acid etching, prepare cavity for all Class III, Class IV, and Class V restoration.  
No residual amalgam or other base material should be left on the internal surfaces of preparation that would interfere with light transmission and therefore, the hardening of the restorative material.
2. Pulp Protection: In deep cavities cover the dentin close to the pulp with a minimum amount of calcium hydroxide liner leaving the rest of cavity surface free for bonding. Glass ionomer or other non-eugenol base materials may be used and it is recommended to use ProBase™ - Silmet Ltd. (See ProBase™ instructions for use.)
3. Enamel and Dentin treatment: Follow the manufacturer's instructions for etching, adhesive application and curing. It is recommended to use ProFil™ Flow in combination with ProLink™ adhesive.
4. Dispensing: Insert the disposable needle tip onto the syringe after removing the cap.  
Make sure that the needle of tip is not plugged.  
If plugged, remove the dispensing tip and express a small amount of resin directly from the syringe.  
ProFil™ Flow can also be extruded onto a dispensing container and applied using a brush or other appropriate instrument.
5. Placement: Place the resin in increments of 2mm or less. Pull back on the syringe plunger to prevent oozing. After use, syringe should be capped immediately.
6. Curing: Expose each area of restoration surface to a high visible light source. Hold the light guide tip as close to the restorative as possible during light exposure.

ProFil Flow is suitable to be cured by all Light-curing units (Halogen, Led & plasma) that have a luminous intensity of min. 550 mW/cm<sup>2</sup> (with higher intensity curing time can be reduced by half), emit at 400 -515nm, and that their performance is checked regularly.

Observe the light-curing unit manufacturer's instructions before use with ProFil Flow.

## **SHELF LIFE**

The lot number & expiry date are indicated on the product. Do not use after expiry date.

## **PRECAUTIONARY INFORMATION FOR PATIENTS**

Avoid use of this product in patients with known acrylate allergies. If prolonged contact with oral soft tissues occurs, wash with large amounts of water.

## **PRECAUTIONARY INFORMATION FOR DENTAL PERSONNEL**

Use of protective gloves and a no touch technique is recommended. Acrylates may penetrate commonly used gloves. If product contacts glove, remove and discard glove, wash hands immediately with soap and water and then re-glove. If allergic reaction occurs, seek medical attention as needed.

Eugenol-containing dental materials should not be used in conjunction with this product because they may interfere with hardening and cause softening of the polymeric components of the material.

## **STORAGE & DISPOSAL**

Store in a cool and dark place / room temperature (5-30°C / 41-86°F) away from direct sunlight.

Do not store material in proximity to eugenol containing material.

For optimum freshness, keep refrigerated. If refrigerated, allow the syringe to reach room temperature before use.

See the Safety Data Sheet (available at [www.silmetdental.com](http://www.silmetdental.com) or through your local subsidiary) for disposal & safety information.

## **CUSTOMER INFORMATION**

No person is authorized to provide any information which deviates from the information provided in this instruction sheet.

## **CAUTION**

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

## **EU Notice**

Any serious incident that has occurred in relation to the device should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

Summary of Safety and Clinical Performance (SSCP) is available at following website:

<https://ec.europa.eu/tools/eudamed>

Basic UDI-DI: 7290012DMR2X5

## **WARRANTY**

Silmet Ltd. will replace product that is proven to be defective. Silmet Ltd. does not accept liability for any damage or loss, direct or consequential, arising from the use of or inability to use the product described. It is the responsibility of the dentist to determine before use, the suitability of the product for its intended use.

The dentist assumes all risk and liability in connection therewith.

## **For instructions in additional languages:**

- FR** Pour des instructions dans d'autres langues:
- DE** Die Anleitung in weiteren Sprachen:
- ES** Para obtener las instrucciones en otros idiomas:
- IT** Per istruzioni in altre lingue:



[www.silmetdental.com/downloads/downloads\\_instruction](http://www.silmetdental.com/downloads/downloads_instruction)



Silmet Ltd.

12 Hassadna st., Or-Yehuda, 6022011, Israel

Tel: 972-3-7353000, Fax: 972-3-5331581 [info@silmet.co.il](mailto:info@silmet.co.il), [www.silmetdental.com](http://www.silmetdental.com)



Obelis s.a

Bd. General Wahis 53. 1030 Brussels, Belgium

Tel: + (32) 2.732.59.54 Fax: + (32) 2.732.60.03, E-Mail: [mail@obelis.net](mailto:mail@obelis.net)



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