



## INSTRUCTION FOR USE

# GDT NANOCOMP FLOW

## Nano-hybrid Flowable Composite

### PURPOSE

**NanoComp Flow** is a light-cured, nano-hybrid filled, radiopaque, highly polishable, low viscosity dental filling material according to EN ISO 4049. **NanoComp Flow** can be used for Class I, II, III, IV, and V restorations – see full list of indications below:

### INDICATIONS

- Anterior restorations (Class III and IV).
- Deep Class V restorations (cervical caries, root erosion, wedge-shaped defects).
- Restorations in the posterior region (base/liner) (Class I and II).
- Veneering of discolored teeth.
- Sealing fissures and hypersensitive areas.
- Repair of composite and ceramic veneers.
- Orthodontic splinting.

### INSTRUCTIONS FOR USE

**NanoComp Flow** high-strength flowable composite whose physical properties are close to the non-flowable composite materials which allows a durable and safe use in all direct restorations (Classes I-V). Advanced nano-filler technology results in exceptional physical properties. High level of radiopacity combined with an optimal viscosity allows for ease of use and smooth placement.

**NanoComp Flow** cures with a LED and Halogen light at wavelength range of 400-500  $\mu\text{m}$ .

**Shade** numbers optimized to the Vita® shade guide: A1, A2, A3, A3.5, B1, B2, C2, Opaque, Semi-transparent (Incisal edge).

### DIRECTION FOR USE

**Preparation:** Do not use with eugenol dental materials!

The standard preparation of surface or cavity according to generally accepted methods need to be made prior use. Includes acid etching, rinsing, drying, enamel bonding with a light-cured adhesive (**GDT Instant Bond** recommended). Refinement of the cavo-surface margin (beveling) is recommended.

**Placement:** Dispense **NanoComp Flow** directly into preparation site/tooth surface from the syringe tip using slow, steady pressure. Avoid lifting the tip while dispensing to minimize air entrapment.

Any visible air bubbles should be pierced with a clean, sharp explorer prior to curing.

Material may be placed and light cured in increments up to 2 mm in deeper preparations it is recommended to place material in 2 mm increments, thoroughly light curing each increment. Each layer is cured for at least 20 sec.

Though an advanced performance curing units have been shown to cure 2 mm increments of most shades of **NanoComp Flow** in 10 seconds, for darker shades additional curing cycle is advised.

**Finish and polishing:** Begin finishing immediately after curing. Due to the stackable nature of **NanoComp Flow**, precise placement is possible, and should be observed, minimizing the need for gross finishing.

If necessary, gross excess may be removed with DSI Finishing Burs or other carbide finishing instruments. To achieve a very high luster, it is necessary to complete the polishing. DSI Diamond Composite Polishing Pastes are recommended. See manufacturer's complete directions for use.

### **GENERAL PRECAUTIONS**

Process a syringe and a dosing nozzle before use with ethyl hydroxide solution.

The re-use of a syringe needle is forbidden! Use of protective cover is recommended to protect from exposure of splatter of body fluids or contaminated hands.

### **STORAGE**

Use syringe cover or clean & disinfect syringes between patients. Store in a dry place (humidity < 50%) at the room temperature (+5 °C...+25 °C). Avoid contact with moisture and direct sunlight! Return to box after use. Do not store in the fridge or freezer. Keep out of reach of children.

### **PACKAGING**

2g Syringe  
Dosage tips

**2pcs**  
**5pcs**

### **Available shades:**

Shade	A1	A2	A3	A3.5	B1	C2	Opaque	Semi-transparent
Code	FNC-A1	FNC-A2	FNC-A3	FNC-A35	FNC-B1	FNC-C2	FNC-OP	FNC-IE



Consult instructions for use



Use by



Temperature limit



Catalogue number



Keep away from sunlight



Batch code



Keep dry



Manufacturer

Failure to comply with the conditions of storage leads to a change of the working characteristics of the material and decrease the shelf life of material. The manufacturer is not responsible for any loss of quality caused by the failure to comply with terms of transportation, storage and use established by the manufacturer for this product. Responsibility for the use of the material for purposes other than those specified by the manufacturer, the user's responsibility.