Made for GDT Implants
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INSTRUCTION FOR USE

GDT NANOCOMP

Nano-hybrid Universal Composite

PURPOSE

NanoComp is a light-cured, nano-hybrid filled, radiopaque, highly polishable universal restorative filling material according to EN ISO 4049. **NanoComp** Universal Composite can be used for both posterior and anterior zone, in a wide range of Class I-VI restorations.

FEATURES

NanoComp restorative features an advanced radiopaque nano-filler based on the multi-functional particles sized from 0.1-3 microns (65% by volume) with a mean particle of 75 µm. The result is an easy-to-handle, very sculptable, yet durable material with an excellent aesthetic characteristics and just the right opacity to reduce the need for the opaquer composites.
NanoComp cures with a LED and Halogen light at a wavelength range of 400-500 nm.
Indicated for use in restorations that require high strength and more opacity.
Shade numbers optimized to the Vita® shade guide: A1, A2, A3, A3.5, B1, B2, C2, Dentine Universal.

DIRECTION FOR USE

Preparation: Teeth should be cleaned with pumice and water to remove surface stains.
Avoid pumice which contains oil. The standard preparation of surface or cavity according to generally accepted methods need to be made prior use: Includes acid etching, rinsing, drying.
An enamel bonding with a light-cured adhesive (**GDT Instant Bond**) is recommended.
In Class II preparations, place 1mm enamel bevel along the cavosurface margins of the facial and lingual vertical walls of the preparation to improve enamel adhesion.

Dispensing:

Extrude composite onto a mixing pad by turning the handle slowly in a clockwise manner.
Slice an increment of proper size with a sterile instrument onto a mixing pad.

Placement:

Recommendation for deep cavities: Cover very deep areas close to the pulp with a calcium hydroxide material (DSI ApexPaste, CalPaste LC) and use a pressure-resistant cement (e.g. DSI Glass-Fx). Do not cover other cavity walls, since they can be used to support the bond with an enamel/dentin adhesive.

- For lighter shades (A1, A2, B2) place and cure in incremental layers up to 4mm.
- For darker shades (A3, A3.5, C2, UD) place and cure in incremental layers up to 3mm.

Pat and condense each layer with a smooth (titanium-coated) instrument using light pressure. For standard curing lights, cure each layer for 20-30 seconds.
For high output halogen lights, cure each layer for 5 seconds.

Cure final restoration for additional 20 seconds per surface (6 seconds for the high output lights). Recommended light curing time of every layer depend on its thickness – follow the table on the box.

Trimming and Shaping:
Gross contouring may be accomplished using DSI burs (HP diamonds and Carbide Trimming Burs).

Finish and polishing: Fine contouring and surface finishing may be accomplished with the use of the polishing disks, rubber points/silicon cups and finishing strips. Correctly polished surface improves the aesthetics and prevents the restoration from the future colour changes.
To achieve a high lustre gloss, use of the DSI Diamond Polishing Paste is recommended.

GENERAL PRECAUTIONS
Process a syringe before use with ethyl hydroxide solution.
Uncured methacrylate resin may cause contact dermatitis and damage the pulp. Avoid contact with skin, eyes and soft tissue. Wash thoroughly with water after contact.

STORAGE
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. Use syringe cover or clean & disinfect syringes between patients. Do not store in the fridge or freezer. Keep out of reach of children.

PACKAGING

4g Syringe	**1pcs**
Dosage tips	**5pcs**

Available shades:

Shade	A1	A2	A3	A3.5	B1	B2	C2	Opaque Light	Opaque Dark	Universal Dentin
Code	**NC-A1**	**NC-A2**	**NC-A3**	**NC-A35**	**NC-B1**	**NC-B2**	**NC-C2**	**NC-OA2**	**NC-OA3**	**NC-UD**


Consult instructions for use


Use by

Temperature limit

REF *Catalogue number*


Keep away from sunlight

LOT *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.