QualiSense Gold

QualiSense NANO CER
Light Cure Microhybrid Composite with Nano-Fillers

Recommendations for Use
NANO CER is a nano-filled visible light cure microhybrid composite for anterior and posterior restorations. It is based on BIS-GMA-resin and inorganic filler particles of **0.05-0.9 µm**. Filler content: **81 % (wt), 70 % (vol.).** The composite material meets the requirements of **DIN EN ISO 4049.**

Indications
Suitable for all cavities.

Side Effects
Irritations resulting from direct contact with the pulp cannot be ruled out. Therefore for pulp protection areas close to the pulp should be covered with a thin layer of calciumhydroxide material.

Incompatibility with Other Materials
Do **not** use in combination with substances containing eugenol because eugenol inhibits the polymerization of the composite. Neither store the composite material in proximity of eugenol containing products, nor let the composite allow coming into contact with materials containing eugenol.

Preparation of Tooth and Color Matching
Clean the tooth with a fluoride-free polishing paste (e.g. flour of pumice with water) prior to preparation and color matching.

Ascertain the tooth shade while teeth are still moist and select the appropriate **NANO CER** shade.

NANO CER is shaded according to VITA®-Shades. It is also available in special shades and bleach shades.

Cavity Preparation
After isolation **(best with a rubber dam)** prepare the cavity with minimal tooth reduction.

For pulp protection areas close to the pulp should be covered with a thin layer of calciumhydroxide material (e.g. **CH LINER**).

Condition and apply a bonding agent according to the manufacturer instructions. The total etch technique with **ETCHING GEL** and subsequent application of a light cure bonding agent (e.g. **ADHESIVE T1**) is recommended. Otherwise use a self etching bonding agent (e.g. **ADHESIVE S2**) before application of the **NANO CER.**

Application and Curing of NANO CER
Apply **NANO CER** in the selected shade. **NANO CER** is easy to model. Place it by using a suitable instrument. Matrix strips may be used.

In case of deep and extended cavities best results are obtained with a build-up of a base liner using a light cure resin modified cement (e.g. **MODGLASS F**) or a light cure flowable composite (e.g. **LC HI FLOW**), followed by the application of **NANO CER.**

In case of small cavities **NANO CER** can be applied directly.

For an optimum result apply **NANO CER** in layers of **max. 2 mm.** Light cure each increment separately.

By using a polymerization unit with a light intensity of at least **1000mW/cm2,** cure each increment as follows:

Lighter shades **(e.g. A1, A2, C2) 20 seconds**

Darker shades **(e.g. A3.5, B3) 30 seconds**

Finishing
Depending on the shape of the area contour with finishing diamonds, flexible grinding discs or carbide burs.

Polish to high gloss with polishing discs or polishing brushes.

Storage
Do **not** store above **25°C (77°F).** Protect from direct sunlight.

Do not use after expiry date.

Close syringe immediately after use to avoid exposure to light.

APPLIC.-Tips are for single use only.

Additional Notes
• Do **not** use any resin to adjust viscosity of composite restorative material.
• Contact of resin pastes with skin should be avoided, especially by anyone having known resin allergies.
• VITA® is a registered trade mark of the **VITA-Zahnfabrik**, Bad Säckingen, Germany.

Warranty
DS Dental Supply GmbH warrants this product will be free from defects in material and manufacture. DS Dental Supply GmbH makes no other warranties including any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining the suitability of the product for user's application. If this product is defective within the warranty period, your exclusive remedy and DS Dental Supply GmbH's sole obligation shall be repair or replacement of the DS Dental Supply GmbH product.

Limitation of Liability
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Keep away from children!

For dental use only!

CE 0482

Manufacturer: DS Dental Supply GmbH
22607 Hamburg Germany

Distributor: Arsaco GmbH
Schützenstraße11 D66953- Pirmasens Germany

ARSACO GmbH

V1-04-2021