

# Venus® Diamond

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**KULZER**  
MITSUI CHEMICALS GROUP

## Venus® Diamond

### Gebrauchsanweisung (DE)

Universelles lichthärtendes Nano-Hybridkomposit, röntgenopak

Venus Diamond ist ein radiopak, lichthärtendes Nano-Uhversalkomposit. Anwendungsgebiet sind adhesive, zahnfarbene Front- und Seitzahnrestaurationen. Aufgrund der hervorragenden Materialeigenschaften sind dauerhafte ästhetische Restaurationen sowie ein hoher Oberflächenglanz leicht zu erreichen.

Zusammensetzung

Venus Diamond wird auf der Basis von TCD-DI-HEA und UDMA hergestellt (enthalt ca. 64 Vol-% Füllstoff, 5 nm - 20 µm) • Barium Aluminium Fluorid-Glas • Diskrete Nanopartikel

Indikationen

• Direkte Restaurationen der Klassen I – V • Direkte Kompositvenernen • Ästhetische Korrekturen (z. B. Diastema-Schluss, entwicklungsbedingte Defekte der Zahnhartsubstanz, etc.) • Schleimhaut oder periodontal bedeckter Zähne • Indirekte Restaurationen (Inlays, Veneers) • Milchzahnerstaurationen • Stumpfaufbau • Reparatur von Keramik- und Kompositrestaurationen (in Verbindung mit einem geeigneten Reparatursystem)

Kontraindikationen

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Warenwirkungen

Überempfindlichkeit gegen Produkte oder Substanzen kann im Einzelfall nicht ausgeschlossen werden – Inhalten sind mit dem Hersteller zu erfragen.

Warnhinweise / Sonstige Wissensmaßen

Berührung mit den Händen kann eine leichte Schmutzübertragung. Bei Kontakt des Produktes mit der Haut soll gründlich mit Wasser und Seife waschen. Sensibilisierung durch Kontakt mit dem Körper kann auftreten.

In den ersten Minuten nach einer direkten Demineralisation zur Pulpa vorlegt oder solche bereits kleinfleckig ist, sollte die Pulpa lokal mit einem Kalziumhydroxid indirekt bzw. direkt überpflastert werden. Das Kalziumhydroxid sollte durch einen Glasionenblockade abgedeckt werden. Bevor das Adhäsiv in die Kavität eingebracht wird.

• Präparierte Schmelze und Dentinlücken, die auf Zähnen aus dem Bereich des Venus Diamond adhäsiv behandelt werden sollten, dürfen nicht eingeschlossenes Präparaten in Kontakt kommen, da sie die optimale Klebefähigkeit des Kompositen beeinträchtigen.

• PLT sind für den Einbaulager bestimmt und können wegen phonotaktischer Bestandteile der Lösungen nicht destilliert oder sterilisiert werden, ohne das Komposit zu beschädigen oder zu kontaminieren. Um Kreuzreaktionen zu vermeiden, sind für den Einbaulager vorgeschriebene Artikel nach Entfernung umgehend zu entsorgen.

• Derzeit sind keine Hinweise über die Anwendung von Appliance- oder Diamantlacken vorhanden. Eine Konservierung von Appliance- oder Diamantlacken während der Arbeitsschritte kann beim Auspressen Gefahrensituationen entstehen. Es wird die Kulzer Applikatorstiele empfohlen. Bei Verwendung anderer Appliance-Stile bitte deren Gebrauchsanweisung und Versuchsmaßen beachten, sowohl vorhanden.

• Bitte vor Ersteilung durch Sichtkontrolle auf Beschädigungen prüfen. Beschädigte Produkte dürfen nicht eingesetzt werden. Komposite sind bei Raumtemperatur zu verarbeiten.

## Venus® Diamond

### Instructions for use (GB)

Universal light curing nano-hybrid composite, radio-opaque

Venus Diamond is a light curing, radio-opaque nano composite. It is indicated for adhesively bonded, tooth coloured restorations. It is suitable for anterior and posterior applications. Due to the excellent material properties, a beautiful aesthetic result and a durable, high lustre polish is easily reached.

Composition

Venus Diamond is based on a TCD-DI-HEA and UDMA (contains 64 % filler by volume, 5 nm – 20 µm) • Barium Aluminum Fluoride glass • Highly discrete nanoparticles

Clinical Indications

• Direct restoration of Class I – V cavities (according to G.V. Black) • Direct composite veneers • Shape corrections of teeth (i.e. diastemas, congenital defects in teeth, etc.) • Splitting of teeth loosened by trauma or periodontal disease • Indirect restorations (Inlays, veneers) • Restoration of primary teeth • Core build-up • Repairs of porcelain, composite (in combination with an adequate repair-system)

Contraindications

No use in cases of known allergy to any of the constituents of Venus Diamond. The use of this product is contraindicated in case of known or suspected allergies against (meth)acrylate compounds.

Side effects

This product or one of its components may in particular cases cause hypersensitivity reactions. If suspected, information on the ingredients can be obtained from the manufacturer.

Warnings & Precautions:

• Avoid contact with skin. Wear suitable protective gloves. In case of contact with skin, immediately wash with plenty of water and soap. May cause sensitisation by skin contact. Avoid contact with eyes. Immediately and thoroughly rinse with plenty of water in case of contact with eyes and contact an ophthalmologist.

• In the case of deep cavity preparations, due to proximity to the pulp or a direct pulpal exposure, cover the dentine or the exposure locally with a calcium hydroxide liner covered with a thin enamel layer prior to placing the adhesive.

• Do not use eugenol containing materials or in around the cavity preparation being restored, because these may interfere with the proper curing of Venus Diamond.

• The PLT (pistols/punti) are intended for single use only and cannot be sterilized or disinfected without damaging and contaminating the restorative material because the solutions contain organic peroxides.

• Composite restorations are contraindicated in case of a previous history of tooth sensitivity.

• When curing the Diamond, use a plunger even when exerting pressure on the applicator gun. Use of excessive force or sudden movement could create a potential hazard with extraction. It is recommended to use a plunger applicator from Kulzer. For other restorative dispensers please follow the given instruction for use and/or precautions, if applicable.

• Visually inspect for damage before first use. Damaged products must not be used. Composites should only be used at room temperature.

6. Polymerise Venus Diamond in thin layers (max. 2 mm) according to the table below using an acceptable OHT (Quartz-Halogen-Tungsten) or LED curing light such as the Kulzer Translux®.

7. After curing, remove the rubber-dam and polish the restorative material with a fine grit abrasive. Use of a coarse grit abrasive may damage the restorative material.

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10. Apply Venus Diamond restorative material to the tooth surface with a thin enamel layer (max. 2 mm) and adapt carefully to the tooth surface or cavity walls. In case of severe discoloration of the underlying tooth dentin, use a bonding agent to the dentin before applying the restorative material.

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60. Visually inspect for damage

