

VITA SUPRINITY® PC – Glass ceramic. Revolutionized.

The new zirconia reinforced, high-performance glass ceramic.



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

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VITA – perfect match.

VITA

Product description

Since May 2016 VITA Zahnfabrik offers VITA SUPRINITY PC, a generation of glass ceramic material products. With the aid of an innovative manufacturing process, glass ceramic is enriched with zirconia (approx. 10 % by weight). The result is a zirconia reinforced lithium silicate ceramic (ZLS)*.

This glass ceramic features a special fine-grained and homogeneous structure which guarantees excellent material quality and consistent high load capacity, as well as long-term reliability. Moreover, the material also offers outstan-

ding processing characteristics such as easy milling and polishing.

Thanks to the excellent translucency, fluorescence and opalescence of this new glass ceramic material, VITA SUPRINITY PC provides excellent esthetic properties and offers a wide range of indications that includes anterior and posterior crowns, suprastructures on implants, veneers, inlays and onlays.

*) This class of material is a joint development of VITA Zahnfabrik, DeguDent GmbH and Fraunhofer-Institut für Silicate Research ISC.

Product benefits

Excellent load capacity:

Thanks to excellent mechanical load capacity, VITA SUPRINITY PC promises high reliability and long-term clinical success.

Particular reliability:

The result of continuous load tests and the Weibull modulus show that VITA SUPRINITY PC promises durable restorations and a maximum level of reliability.

Very simple processing:

This new glass ceramic features high firing stability and can be crystallized without using an auxiliary firing paste. Moreover, the material can be easily reworked manually and polished. After polishing, VITA SUPRINITY PC exhibits an excellent surface quality.

Optimal precision:

Compared to lithium disilicate ceramics, VITA SUPRINITY PC reveals improved edge stability after milling with Sirona's MC XL system. The result is restorations with accurate fit.

High process reliability:

VITA SUPRINITY PC ensures high processing reliability. As a result, temperatures during the crystallization process, that are slightly below or above the standard temperature, do not have any significant influence on dimensional stability or mechanical properties.

Outstanding esthetics:

Thanks to the high translucency, fluorescence and opalescence, esthetically pleasing results can be achieved with VITA SUPRINITY PC. Moreover, in combination with VITA VM 11 veneering material, the natural play of colors can be perfectly reproduced.

Range of indications:

VITA SUPRINITY PC can be used for a wide range of indications including anterior and posterior crowns, suprastructures on implant abutments, veneers, inlays and onlays.

Product data:

Geometries: VITA SUPRINITY PC is available in the geometry PC-14 (18 x 14 x 12 mm).

Range of shades: VITA SUPRINITY PC is available in the VITA SYSTEM 3D-MASTER shades 0M1, 1M1, 1M2, 2M2, 3M2, 4M2 and in the VITA classical A1-D4 shades A1, A2, A3, A3.5, B2, C2 and D2. All block shades are available in two translucency levels (T = Translucent and HT = High Translucent).

System compatibility

• CEREC® / inLab® (Sirona)

VITA offers VITA SUPRINITY PC with specific holder system for following CAD/CAM systems:

- CEREC/inLab (Sirona Dental Systems GmbH)
- MyCrown Mill (FONA Dental s.r.o.)
- ARCTICA Engine/Everest Engine (KaVo Dental GmbH)
- Ceramill Motion 2 (Amann Girschbach AG)

• UNIVERSAL solutions*

VITA offers VITA SUPRINITY PC with universal holder system for the CAD/CAM systems:

- Core3d i line (Core3d Centres International N.V.)
- CORiTEC line (imes-icore GmbH)
- CS 3000 (Carestream Inc.)
- DMG ULTRASONIC line (DMG Mori AG)
- Impression K-/S-Modelle (vhf camfacture AG)
- MILLING UNIT M line (Zirkonzahn S.r.l.)
- Röders RXD line (Röders GmbH)
- Roland DWX (Roland Digital Group)
- Zfx Inhouse 5x (Zfx GmbH)

*) The CAD/CAM system partner has been validated by VITA Zahnfabrik for processing VITA SUPRINITY PC.

The range of geometries/shades available for individual CAD/CAM system partners or systems may vary.

More information about VITA SUPRINITY PC is available at: www.vita-suprinity.de / www.vita-suprinity.com

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