

# VITA SUPRINITY® PC

Product information



VITA shade determination

VITA shade communication

VITA shade reproduction

VITA shade control

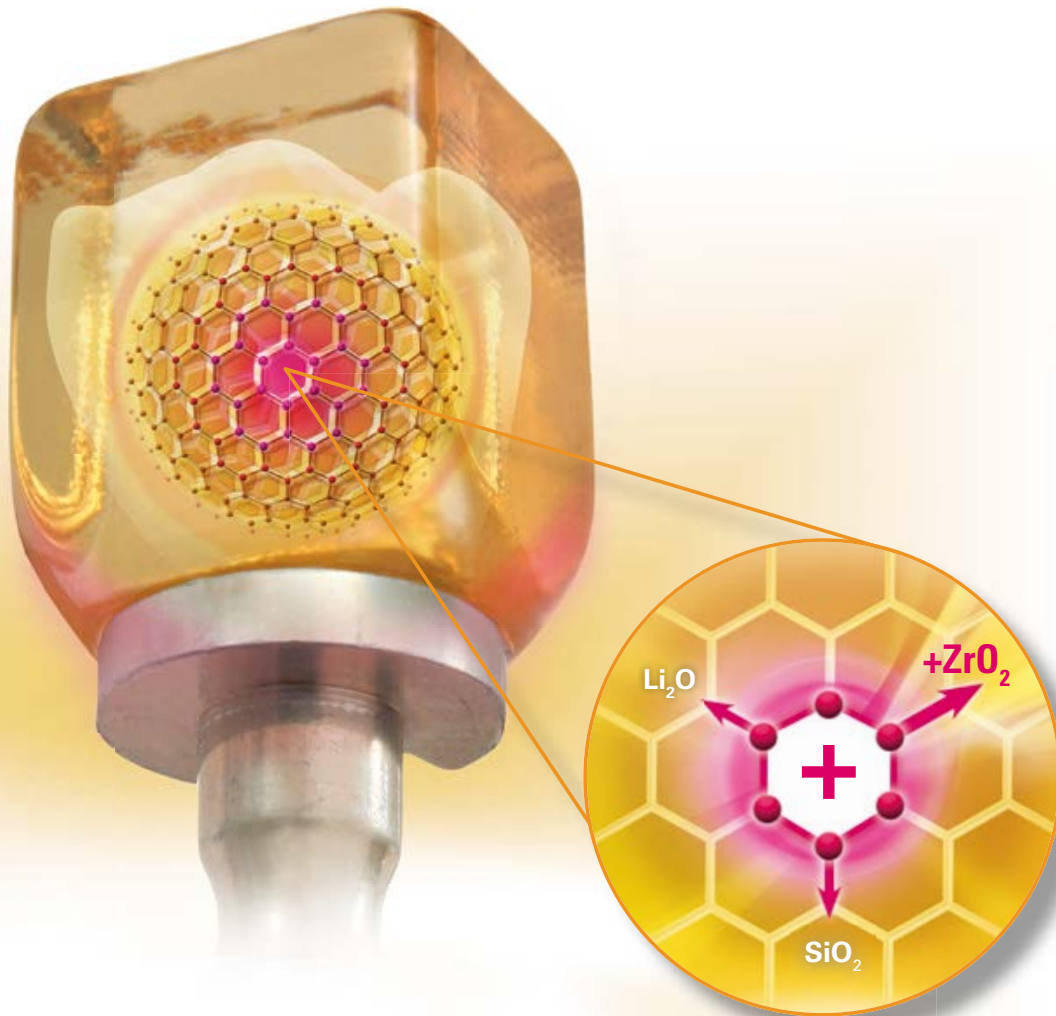
Date of issue 05.16

VITA shade, VITA made.

**VITA**

VITA SUPRINITY PC  
VITA SUPRINITY Polishing Set  
VITA AKZENT Plus  
VITA VM 11

## VITA SUPRINITY® PC – Glass ceramic. Revolutionized.



The new generation of glass ceramics: VITA SUPRINITY PC.

### Product description

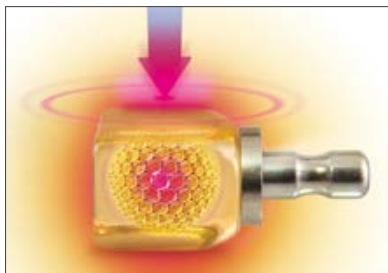
VITA Zahnfabrik offers since May 2016 VITA SUPRINITY PC, a new generation of glass ceramic material products. With the aid of an innovative manufacturing process, the glass ceramic is enriched with zirconia (approx. 10 % by weight). The result is a zirconia reinforced lithium silicate ceramic (ZLS)\*.

This new glass ceramic features a particularly fine-grained and homogeneous structure which guarantees excellent material quality and consistent high load capacity, as well as long-term reliability. The material also offers outstanding processing characteristics such as easy milling and polishing.

Thanks to the high translucency, fluorescence and opalescence of this new glass ceramic material, esthetically pleasing results can be achieved with VITA SUPRINITY PC. VITA SUPRINITY PC covers a wide range of indications that includes anterior and posterior crowns, suprastructures on implant abutments, veneers, inlays and onlays.

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

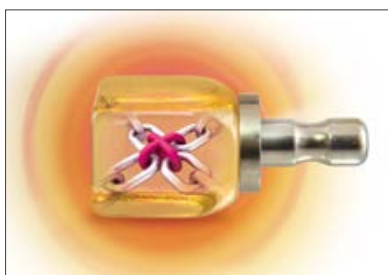
## VITA SUPRINITY® PC Product benefits



The new generation of glass ceramics for high load capacity.

### **Excellent load capacity:**

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



Increased reliability thanks to a zirconia reinforced glass ceramic matrix.

### **Excellent reliability:**

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



Processing made easy

### **Simple processing:**

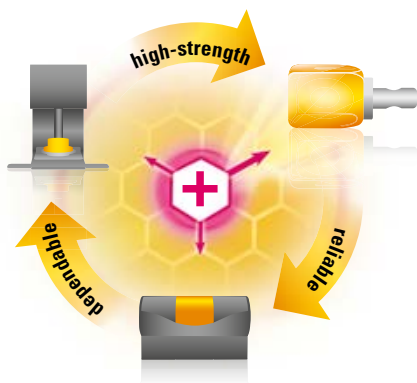
This new glass ceramic features high firing stability and can be crystallized without using an auxiliary firing paste. In addition, the material can be easily reworked manually and polished. After polishing, VITA SUPRINITY PC exhibits an excellent surface quality.

## VITA SUPRINITY® PC Product benefits



### Optimal precision:

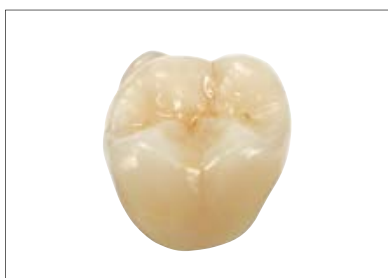
Compared to lithium disilicate ceramics, VITA SUPRINITY PC reveals improved edge stability after milling with Sirona's MC XL system. The result is restorations with accurate fit.



Reliable and user-friendly: milling, firing and processing.

### 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 a significant influence on dimensional stability or mechanical properties.



VITA SUPRINITY PC restorations impress with a natural play of colors.

### Excellent esthetics:

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

## VITA SUPRINITY® PC Indications, variations, geometries, shades



Ideal for a variety of indications.

### **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.

### **Variations:**

VITA SUPRINITY PC is the zirconia reinforced lithium silicate ceramic in the partially crystallized state.

### **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).



## VITA SUPRINITY® Polishing Set (clinical/technical)



### Product description

The VITA SUPRINITY Polishing Sets were developed for reliable, efficient and material-specific surface treatment of zirconia reinforced lithium silicate ceramic (ZLS) restorations in dental practices and laboratories. The sets include various polishing instruments for pre- and high-gloss polishing.

These instruments are suitable for careful and gentle polishing of occlusal surfaces, cusps, fissures and restoration contact points. They ensure an excellent surface glaze of the finished restoration.



The easy and fast way to an excellent shine.

### Benefits

#### Excellent final results:

Highly esthetic surfaces can be produced with these instruments. Accurate concentricity, matched grit sizes and the individual geometries of the instruments guarantee high-precision results.

#### Simple and safe handling:

The instruments provide removal capacity that can be easily controlled and show low wear. Good handling and the ability to use without polishing paste enables simple and fast processing. Additional safety is achieved since the instruments can be sterilized.

#### Gentle and careful processing:

These instruments, which are suitable for VITA SUPRINITY PC, ensure gentle and careful processing. As a result, the risk of possible formation of microcracks is reduced.

## VITA SUPRINITY® PC – Characterization with VITA AKZENT® Plus



### Product description

The 19 VITA AKZENT Plus stains are used to characterize the shade of any dental ceramic material easily and efficiently, regardless of the restoration's CTE. These new fluorescent stains allow internal staining of restorations during layering as well as staining and glazing of external surfaces.

Depending on the user's preferred method of processing and the relevant area of application, VITA AKZENT Plus stains are available as powders and ready-to-use pastes. The glazing Body Stains and Glaze materials are also available as sprays.

Three different application forms are available:

#### POWDER:

for unlimited flexibility and cost-effectiveness

#### PASTE:

ready-to-use pastes with uniform consistency and homogeneous pigmentation

#### SPRAY:

ready-to-use, easy-to-apply glaze and finishing agent stains



### Benefits

#### Versatile:

With 19 shades and 3 application forms, VITA AKZENT Plus offers dental practices and laboratories a complete range of products for numerous characterization options.

#### User-friendly:

Whether you're working on internal coloring, surface characterization or fine glazing: with VITA AKZENT Plus fluorescent stains, you can adapt your restoration easily and efficiently.

#### Cost-effective:

VITA AKZENT Plus can not only be used for characterizing VITA SUPRINITY PC restorations, the stains are also suitable for all other dental ceramic materials, regardless of the restoration's CTE.



The stains enable outstanding shade characterization.

## VITA SUPRINITY® PC – Individualization with VITAVM® 11



### Product description

VITA VM 11 is a low fusing fine-structure feldspar ceramic that has been developed especially for individualizing crown substructures made of zirconia reinforced lithium silicate ceramic (ZLS).

Due to its individual CTE, a separate veneering material is required for this new generation glass ceramic. The perfectly matched CTE values of substructure and veneering materials help minimize stress to ensure very good bonding and veneering reliability that is free of warping.

### Benefits

#### Highly esthetic restorations:

The high translucency and warm shades of VITA VM 11 in combination with the opalescent effect of VITA SUPRINITY PC create highly esthetic restorations with a vivid play of colors.

#### Reliable bonding:

Stress-free and reliable bonding is ensured through a perfect match of both CTE ranges.

#### Simple processing:

Excellent stability, minimal shrinkage and high edge stability are distinctive features of VITA VM 11. Thanks to the excellent surface wettability of the new glass ceramic VITA SUPRINITY PC, multiple layering without liner firing or washbake is possible.

#### Superb firing stability:

The outstanding firing properties of VITA VM 11 result in very high dimensional stability even after several firings.

#### Excellent grinding and polishing properties:

Thanks to the proven fine structure of VITA VM 11, its smooth and densely sealed surface can be easily and quickly polished.





## VITA SUPRINITY® PC System compatibility and assortments

### Software and system requirements

#### • CEREC® / inLab® (Sirona)

VITA SUPRINITY PC can be processed with Sirona's CEREC or inLab MC XL systems, software version 4.2 or later and with inLab MC X5 system, software version 4.3 or later.

#### • ARCTICA® Engine / Everest® Engine (KaVo)

VITA SUPRINITY PC is available in KaVo multiCAD, software version 2.8.0 or higher and can be processed using the KaVo ARCTICA Engine, version 2.5.9 or higher and using the KaVo Everest Engine, version 9.3 or higher.

#### • Ceramill® Motion 2 (AmannGirrbach)

VITA SUPRINITY PC is processed with Amann Girrbach's Ceramill Motion 2 system using software release Ceramill Mind version 2.1.9 (XP) version 2.3.4 (Win7) and Ceramill Match 2 version 2.1.5 (Win7) or later.

#### • PlanMill® 40 (E4D Technologies)

VITA SUPRINITY PC is available for PlanMill 40 from Software-Release 5.8 and higher.

#### • UNIVERSAL solutions

VITA offers VITA SUPRINITY PC with universal holder system for following 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)
- ZENOTEC select (Wieland Dental + Technik GmbH & Co. KG)
- Zfx Inhouse 5x (Zfx GmbH)

### System compatibility:

Information on the system compatibility and the hardware and software requirements in each case is available from the respective CAD/CAM system partner or can be downloaded from [www.vita-zahnfabrik.com/cadcam](http://www.vita-zahnfabrik.com/cadcam) in the form of system compatibility information for VITA CAD/CAM materials. The range of geometries/shades available for individual CAD/CAM system partners or systems may vary.

### VITA SUPRINITY® PC STARTER SET for CEREC®/inLab®

#### VITA SUPRINITY® PC STARTER SET clinical

VITA SYSTEM 3D-MASTER® (Prod. No. EC4S0STSETC3D)

Quantity	Contents	Material
1 each	5 pieces/ pack	0M1-HT, 1M1-HT, 1M2-HT, 2M2-HT, 3M2-HT, 4M2-HT (High Translucent)
1 each	5 pieces/ pack	0M1-T, 1M1-T, 1M2-T, 2M2-T, 3M2-T, 4M2-T (Translucent)
1	Quantity	VITA AKZENT PLUS GLAZE LT SPRAY
1	Quantity	Fibrous pad firing supports
1	Pack	Platinum pins, 2 pieces
1	Quantity	VITA SUPRINITY Polishing Set clinical
1		Working Instructions

#### VITA SUPRINITY® PC STARTER SET technical

VITA SYSTEM 3D-MASTER® (Prod. No. EC4S0STSETT3D)

Quantity	Contents	Material
1 each	5 pieces/ pack	0M1-HT, 1M1-HT, 1M2-HT, 2M2-HT, 3M2-HT, 4M2-HT (High Translucent)
1 each	5 pieces/ pack	0M1-T, 1M1-T, 1M2-T, 2M2-T, 3M2-T, 4M2-T (Translucent)
1	Quantity	VITA AKZENT PLUS GLAZE LT SPRAY
1	Quantity	Fibrous pad firing supports
1	Pack	Platinum pins, 2 pieces
1	Quantity	VITA SUPRINITY Polishing Set technical
1		Working Instructions

## VITA SUPRINITY® PC Data and assortments

### VITA SUPRINITY® PC STARTER SET clinical

VITA classical A1–D4® (Prod. No. EC4S0STSETC)

Quantity	Contents	Material
1 each	5 pieces/ pack	0M1-HT, A1-HT, A2-HT, A3-HT, A3.5-HT, B2-HT, C2-HT, D2-HT (High Translucent)
1 each	5 pieces/ pack	0M1-T, A1-T, A2-T, A3-T, A3.5-T, B2-T, C2-T, D2-T (Translucent)
1	Quantity	VITA AKZENT PLUS GLAZE LT SPRAY
1	Quantity	Fibrous pad firing supports
1	Pack	Platinum pins, 2 pieces
1	Quantity	VITA SUPRINITY Polishing Set clinical
1		Working Instructions

### VITA SUPRINITY® PC STARTER SET technical

VITA classical A1–D4® (Prod. No. EC4S0STSETT)

Quantity	Contents	Material
1 each	5 pieces/ pack	0M1-HT, A1-HT, A2-HT, A3-HT, A3.5-HT, B2-HT, C2-HT, D2-HT (High Translucent)
1 each	5 pieces/ pack	0M1-T, A1-T, A2-T, A3-T, A3.5-T, B2-T, C2-T, D2-T (Translucent)
1	Quantity	VITA AKZENT PLUS GLAZE LT SPRAY
1	Quantity	Fibrous pad firing supports
1	Pack	Platinum pins, 2 pieces
1	Quantity	VITA SUPRINITY Polishing Set technical
1		Working Instructions

### VITA SUPRINITY® Polishing Set clinical/technical

#### Assortments

Designation	Details	Content/piece	Prod. No.
<b>VITA SUPRINITY Polishing Set clinical</b>	2-stage polishing system with pre- and high-gloss polishers for the contra-angle	6	ELSPSETC
<b>VITA SUPRINITY Polishing Set technical</b>	2-stage polishing system with pre- and high-gloss polishers for the handpiece	8	ELSPSETT

### VITA AKZENT® Plus

#### VITA AKZENT Plus range of shades

Product	Shade	Designations	Available as		
			Spray	Powder	Paste
<b>BODY STAINS</b> • Translucent glazing stains • For modifying the shade effect of the base material	Yellow	BS 01			
	Yellow-brown	BS 02			
	Orange	BS 03	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Olive grey	BS 04			
	Grey-brown	BS 05			
<b>EFFECT STAINS</b> • Masking stains that offer excellent coverage • For natural surface effects	White	ES 01			
	Cream	ES 02			
	Lemon yellow	ES 03			
	Sunshine yellow	ES 04			
	Orange	ES 05			
	Russet	ES 06			
	Khaki	ES 07			
	Pink	ES 08			
	Dark red	ES 09			
	Lilac	ES 10			
	Blue	ES 11			
	Grey-blue	ES 12			
	Grey	ES 13			
Black	ES 14				

## VITA SUPRINITY® PC Data and assortments

### VITAVM.11 Assortments

VITAVM.11 DENTINE KIT 3D-MASTER (Prod. No. BV11DK)

Quantity	Contents	Material
6	12 g	TRANSPA DENTINE 0M1, 1M1, 1M2, 2M2, 3M2, 4M2
2	12 g	ENAMEL ENL, END
1	50 ml	LOW FUSING MODELLING LIQUID
		Working Instructions

VITAVM.11 DENTINE KIT classical (Prod. No. BV11DKC)

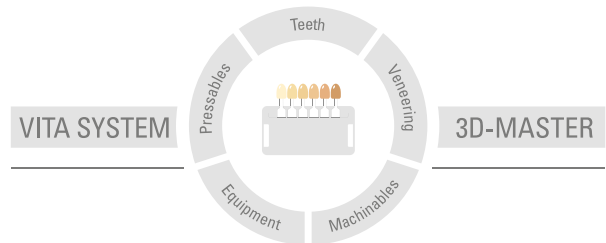
Quantity	Contents	Material
8	12 g	TRANSPA DENTINE 0M1, A1, A2, A3, A3.5, B2, C2, D2
2	12 g	ENAMEL ENL, END
1	50 ml	LOW FUSING MODELLING LIQUID
		Working Instructions

VITAVM.11 CREATIVE KIT (Prod. No. BV11CKV1)

Quantity	Contents	Material
3	12 g	SUN DENTINE SD1–SD3
2	12 g	MAMELON MM1, MM3
7	12 g	EFFECT ENAMEL EE1, EE3, EE5, EE7, EE8, EE9, EE11
3	12 g	EFFECT CHROMA EC1, EC5, EC11
1	12 g	EFFECT PEARL EP1
4	12 g	EFFECT OPAL E01-E03, E05
2	12 g	ENAMEL ENL, END
1	12 g	NEUTRAL, NT
1	12 g	WINDOW, WIN
1	50 ml	LOW FUSING MODELLING LIQUID
2		VITA VM 11 shade guides
		Working Instructions



With the unique VITA SYSTEM 3D-MASTER, all natural tooth shades can be systematically determined and perfectly reproduced.



**Please note:** Our products must be used in accordance with the instructions for use. We accept no liability for any damage resulting from incorrect handling or usage. The user is furthermore obliged to check the product before use with regard to its suitability for the intended area of application. We cannot accept any liability if the product is used in conjunction with materials and equipment from other manufacturers that are not compatible or not authorized for use with our product. Furthermore, our liability for the accuracy of this information is independent of the legal basis and, in as far as legally permissible, shall always be limited to the value as invoiced of the goods supplied, excluding value-added tax. In particular, as far as legally permissible, we do not assume any liability for loss of earnings, indirect damages, ensuing damages or for third-party claims against the purchaser. Claims for damages based on fault liability (culpa in contrahendo, breach of contract, unlawful acts, etc.) can only be made in the case of intent or gross negligence. The VITA Modulbox is not necessarily a component of the product.

Date of issue of this information: 05.16

After the publication of these information for use any previous versions become obsolete. The current version can be found at [www.vita-zahnfabrik.com](http://www.vita-zahnfabrik.com)

VITA Zahnfabrik has been certified in accordance to the Medical Device Directive and the following products bear the CE mark  0124 :

**VITA SUPRINITY® PC · VITAVM.11 · VITA AKZENT® Plus**

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# VITA

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