

VITA SUPRINITY®

Expert opinions*



VITA shade, VITA made.

VITA

What are the properties that make VITA SUPRINITY unique?

"Thanks to the technical characteristics of the material, VITA SUPRINITY can be used for a broad range of indications. Due to the properties it offers, this material is in the same category as high-strength glass ceramics such as lithium disilicate, for example. When the various materials are compared, it becomes clear that the new generation of glass ceramics can be processed just as easily, if not even more easily, than conventional glass ceramics, while also offering improved mechanical properties such as higher 3-point flexural strength. The increased strength also means greater design flexibility when using CAD technology, as constructions that are more delicate than what was previously possible can now be reliably accomplished."

Dr. Gerhard Werling, Bellheim, Germany



"With the development of the CAD/CAM restoration material VITA SUPRINITY, both high strength and attractive esthetics have been blended together as essential material properties in one single product. Through this combination of proven materials – zirconia and lithium silicate – a revolutionary new class of materials has been created: zirconia-reinforced lithium silicate ceramic, known as ZLS. The recognized benefits of the different material groups have now been merged in one new material."

Dr. Alessandro Devigus, Bülach, Switzerland





"As far as I am concerned, VITA SUPRINITY is a completely revolutionary product that fills a gap in the dental ceramic spectrum."

Hermann Loos, dental surgeon

"VITA SUPRINITY is a lithium silicate ceramic that contains a high proportion of zirconia. Reinforcing the material in this way increases its strength, yet at the same time it is neither as hard nor as brittle as pure zirconia. As far as I am concerned, VITA SUPRINITY is a completely revolutionary product that fills a gap in the dental ceramic spectrum. The material has the potential to be used in indications that were previously reserved exclusively for zirconia."

Hermann Loos, dental surgeon, Chemnitz, Germany



"Thanks to its unique material properties, the VITA SUPRINITY ceramic is an excellent alternative in my opinion. In saying that, I am referring both to the esthetic potential as well as to the technical characteristics of the material. The mechanical and physical performance of the material, in other words, the values it achieves in terms of flexural strength, load capacity and reliability, is superb. VITA SUPRINITY can be used flexibly for this reason. The range of indications for which the product is authorized includes full and partial crowns in the anterior and posterior areas, suprastructures on implants, as well as veneers, inlays and onlays."

Dr. Thomas Tünte, Velen, Germany



What are the particular benefits of VITA SUPRINITY?

"The material can be processed with outstanding accuracy, allowing precision results to be achieved. For the posterior area, fully anatomical restorations can be milled without hesitation. In the anterior area, I consider the cut-back technique and individualization using VITA VM 11 materials to be beneficial for esthetic reasons. In terms of material properties, although a more opaque structure would make surface and shape evaluation easier, it is a considerable advantage that VITA SUPRINITY can be so easily processed following raw firing. The fact that CAD/CAM processing resulted in significantly less chipping at the edges than in the case of comparable materials was certainly a pleasant surprise."

Thomas Absmanner, master dental technician, Eggelsberg, Austria



"Thanks to the transparent material structure prior to crystallization firing, it is possible to work with incredible accuracy during fitting and try-in in situ. This is beneficial for the process itself and also of course for the final result. The esthetic potential of the material allows me to choose between layering or staining. I also found the low-melting fine-structure feldspar ceramic VITA VM 11 to be particularly impressive during the process, as it offers superb processing characteristics and allows layering to be performed directly, without first carrying out liner firing or washbake."

Marianne Höfermann, dental technician, Neuried, Germany





"The fact that CAD/CAM processing resulted in significantly less chipping at the edges than in the case of comparable materials was certainly a pleasant surprise."

Thomas Absmanner, master dental technician

"The high edge stability enables precise milling results, creating precision-fit restorations. The level of esthetics is excellent – it offers beautiful polishing results and can of course be layered using the corresponding veneering ceramic for a custom finish. Using a combination of both techniques for a crown is also possible. From my point of view, the most significant overall benefits are: 1. Short crystallization time, 2. Elimination of the need for special firing trays and firing pastes, 3. High edge stability during milling, and 4. The esthetic potential of the material that supports both simple polishing and efficient stain characterization, as well as highly esthetic individualization using layering."

Vanik Kaufmann-Jinoian, dental technology instructor, Liestal Switzerland



"In addition to outstanding shade stability during the various steps, this material is also distinguished by the fact that it offers superb milling results despite its strength. After firing for example, "razor-sharp" preparations can be finished, which is of particular importance in the case of veneers. The real surprise with regard to VITA SUPRINITY is – in addition to the considerable potential of this highly-promising new material, of course – the low-melting fine-structure veneering ceramic VITA VM 11, which has been specially developed and adapted for this purpose. This material offers outstanding processing characteristics, completing the range perfectly."

Bastian Heinloth, dental technician, Munich, Germany



How should VITA SUPRINITY be processed?

"Thanks to its particularly fine highly-homogenous crystal structure, the zirconia-reinforced lithium silicate ceramic can be easily milled, despite offering a comparatively high level of strength. High-gloss polishing can also be completed in just a few steps, using the VITA SUPRINITY Polishing Set, for example, but also using standard instruments. With regard to processing, it must generally be said that dental CAD/CAM technology with its standardized and automated steps, makes fabricating all-ceramic restorations easier. VITA SUPRINITY is perfectly tailored to computer-aided machine-based processing using the subtractive milling technique."

Prof. Gerwin Arnetzl, Graz, Austria



"When fabricating restorations using VITA SUPRINITY, the entire workflow is specified by one simple protocol. This makes it easier for the user to complete the task at hand, saves time, and has a positive impact on process reliability. Processing is generally easier than when using lithium disilicate and takes less time. This means improved polishing despite a higher level of final hardness."

Dr. Helmut-Peter Müller, Munich, Germany





"Thanks to its particularly fine crystal structure, the zirconia-reinforced lithium silicate ceramic can be easily milled, despite offering a comparatively high level of strength."

Prof. Gerwin Arnetzl

"Regardless of whether I wish to perform polishing, glazing or layering, work can be completed very efficiently in all cases. I am not a fan of just polishing when working with this class of materials, however, it really is easy to quickly achieve results of above average quality. The fact that a washbake is no longer required when using the cut-back technique, for example, also helps to save money. As a result, the glass ceramic completes the range of VITA materials for use with CAD/CAM technology perfectly, providing a stable and firm material that offers the user real added value."

Jens Richter, dental technician, Rochlitz, Germany

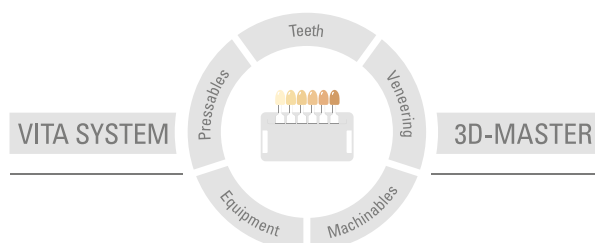


"I am extremely satisfied with the processing characteristics! The restorations are incredibly convenient to mill and polish. The use of a polishing paste is not necessarily required when using the Polishing Set developed especially for VITA SUPRINITY. VITA SUPRINITY also offers a variety of other advantages. These include, in particular, the possibility of creating restoration edges with even greater precision, as well as the unique transparency offered by the new glass ceramic material. Moreover, in the case of VITA SUPRINITY restorations, removal of material has, in my experience always been an easy task that can be reliably put into practice."

Horst-Dieter Deusser, Managing Director at Galler Zahntechnik, Frankfurt, Germany



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




*) The testimonials by dental surgeons and dental technicians published in this document are based on practical experience with VITA SUPRINITY gained during the course of pilot testing, and/or on manufacturer information based on the data provided in "Technical and scientific documentation".

The testimonials from the dental surgeons and dental technicians named reflect the status as valid on 16.07.2013.

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After the publication of these working instructions any previous versions become obsolete. The current version can be found at www.vita-zahnfabrik.com

VITA Zahnfabrik has been certified in accordance with the Medical Device Directive and the following product bears the CE mark  0124 :

VITA SUPRINITY® · VITAVM®11

VITA

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