

Media Release

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ivoclar

100
years

It pays to make patients smile: High-quality all-ceramic restorations with IPS e.max ZirCAD

As one of the world's leading providers of integrated solutions for high-quality dental applications with a comprehensive portfolio of products and systems for dentists and dental technicians, Ivoclar is proud to offer the IPS e.max ZirCAD product range, an innovative and versatile zirconia that is distinguished by outstanding quality and esthetics that deliver optimum patient treatment. For dentists, zirconia is the material of choice when strength and stability, thinner walls, and natural esthetics are of primary importance. In addition to the proven IPS e.max ZirCAD product portfolio, the IPS e.max range of zirconia products also includes IPS e.max ZirCAD Prime and IPS e.max ZirCAD Prime Esthetic, which was launched in 2021.

Esthetics meets quality

As a material, zirconia ceramic is designed with the future in mind and is an achievement that has proven its worth when it comes to facilitating sustainable restorations. IPS e.max ZirCAD is a highly-esthetic, high-strength all-ceramic material that is incredibly similar to the natural tooth structure in terms of function and esthetics, without the need for any metal at all. Esthetics adapted to each individual patient – that's what makes zirconia restorations so special. By glazing, staining, or veneering the restoration, the tooth shade as well as the transition between the teeth and gums can be adapted to the patient's specific requirements. This zirconia ceramic is reliable, clinically proven over many years, and based on Ivoclar's solid expertise in ceramic material science. IPS e.max ZirCAD is designed to remain extremely stable and to retain its high strength even in long-span restorations – and it delivers impressive esthetic results too.

However, no two zirconia materials are alike, and the differences in quality are not always immediately obvious. IPS e.max ZirCAD offers superior stability with flexural strength of up to 1200 MPa, ensuring excellent longevity. The database of clinical studies continues to grow and demonstrates an outstanding survival rate for IPS e.max ZirCAD of 96% after 5 years. In addition, the restorations offer shade stability and translucency, are resistant to wear and to fractures, and provide superb tissue compatibility so that, ultimately, both patient and dentist can smile with confidence.

Versatile in every respect

However, IPS e.max ZirCAD doesn't just offer outstanding material properties and superior esthetics – it also covers a wide variety of applications. In addition to anterior and posterior restorations, crowns, and full-contour (long-span) bridges, it can also be used for two-part implant abutments. Thanks to the high stability of the zirconia, the wall thickness can be significantly reduced in the various application scenarios so that natural-looking restorations can be created that preserve as much tooth structure as possible.

The respective restoration can be cemented either adhesively, self-adhesively, or conventionally.

The IPS e.max product portfolio stands for efficiency, esthetics and satisfaction

In recent years, the requirements that dental practices must meet have become considerably more complex. Patient expectations have grown too. On the one hand, dental products should be more sustainable, long-lasting and versatile, yet at the same time, the pressure in the daily practice routine to offer improved productivity, efficiency, and reliability has never been greater. All these requirements are combined in the IPS e.max portfolio from Ivoclar, both for proven lithium disilicate glass-ceramics as well as for zirconia: The materials are proven in the daily clinical routine to offer the longevity for which they have been engineered and provide complete flexibility across the range of applications. Minimum wall thickness ensures maximum preservation of tooth structure and natural esthetics. IPS e.max restorations are free from metal, offer a high level of biocompatibility, and provide for restorations that are long-lasting, true to the motto: Making People Smile. With IPS e.max, trust is rewarded right away – and dentists and patients are clearly impressed.

About the Ivoclar Group

The Ivoclar Group, headquartered in Schaan, Liechtenstein, is one of the world's leading manufacturers of integrated solutions for high-quality dental applications. In 2023, the company proudly celebrates its 100-year anniversary under the theme of "A Century of Innovation". The company's success is based on a comprehensive portfolio of products, systems and services, strong research and development capabilities and a clear commitment to training and further education. The group of companies, which sells its products to around 130 countries, has 47 subsidiaries and branch offices and employs roughly 3,500 people worldwide. More information about the Ivoclar Group is available at [ivoclar.com](https://www.ivoclar.com).

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