

update

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Programat® The new furnace models

The new Programat® P310, P510 and CS2 come with a number of innovative features

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FIXED PROSTHETICS



Last year, one in almost every two new dental furnaces purchased was from Ivoclar Vivadent's Programat range. These innovative and modern devices speak for themselves. The Programat range, which was introduced in 2005, has revolutionized the ceramic furnace and press furnace market.

The new furnace models P310, P510 and CS2 will be launched in autumn 2013. The P510 is the first dental furnace to feature an integrated infrared camera. This helps to accelerate and optimize the predrying process. The camera detects the predrying status of the object in the furnace and correspondingly adjusts the temperature and the position of the furnace head.

As a result, process reliability is enhanced and the firing process is accelerated. The user-friendliness of the furnace has been further optimized compared to that of the well-established previous models. Therefore, the P510 is very easy and comfortable to operate.



Programat P310 and P510 Exciting technical advances

- Ease of operation due to the combined use of a colour touch screen and the proven membrane-sealed keypad
- Even heat distribution and excellent firing results due to QTK2 muffle technology and SiC bottom reflector
- Programat infrared technology for heightened process reliability and up to 25% faster pre-drying

Programat CS2 Features and benefits

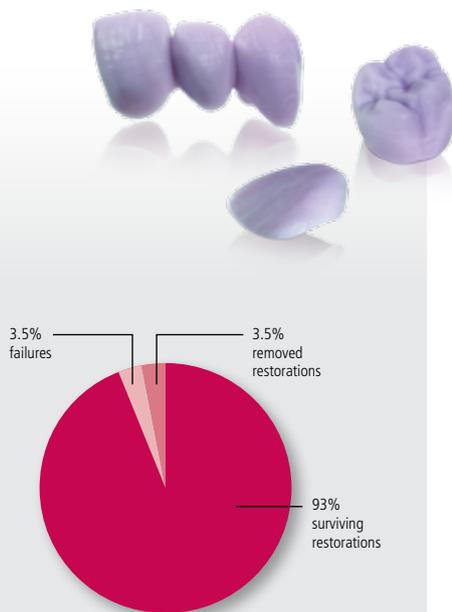
- Matched to IPS e.max®CAD
- Intuitive and easy operation due to the new colour touch screen
- Long-life QTK2 muffle for excellent firing results

IPS e.max[®] CAD Solutions – for maximum flexibility in digital processing

IPS e.max[®] CAD is an innovative lithium disilicate glass-ceramic (LS₂) for CAD/CAM applications. A wide spectrum of restorations can be produced with this material using digital procedures. IPS e.max CAD is characterized by maximum esthetics, strength and flexibility. Its excellent clinical track record is reflected in the millions of restorations that have been placed with it to date.

IPS e.max CAD Monolithic Solutions

IPS e.max CAD Monolithic Solutions is designed for the efficient manufacture of full-contour restorations, ranging from thin veneers to three-unit bridges*. The restorations feature high strength, durability and proven clinical properties. The new LT C16 blocks are used to fabricate large crowns, while the LT B32 blocks are suitable for three-unit bridges.



* A clinical study on IPS e.max CAD bridges showed a survival rate of 93% over an observation period of four years (Source: IPS e.max System Scientific Report Vol. 1/2001-2011, Ivoclar Vivadent AG).

IPS e.max CAD bridges have performed very well over a mean observation period of 46 months.

IPS e.max CAD Veneering Solutions

IPS e.max CAD Veneering Solutions are CAD/CAM manufactured veneer structures for zirconium oxide frameworks. The unrivalled combination of lithium disilicate and zirconium oxide enables the fabrication of crowns and small bridge restorations of exceptional strength and esthetics. Furthermore, multi-unit bridges can now be produced with the new CAD HT B40 L blocks. The digital fabrication process reduces the manual workload to a minimum.

NEW

IPS e.max CAD Abutment Solutions

IPS e.max CAD Abutment Solutions are designed for the fabrication of implant-supported hybrid structures for single teeth using CAD/CAM technology. The hybrid components are milled from the new IPS e.max CAD Abutment Blocks (lithium disilicate) and bonded to a titanium base with Multilink Hybrid Abutment.

In vitro studies have shown the positive influence of lithium disilicate with regard to the esthetics of the emergence profile**. IPS e.max CAD blocks are available in the translucency levels MO A14 for hybrid abutments and LT A16 for hybrid abutment crowns in various shades.

** Soft tissue adhesion of polished lithium disilicate dental ceramics compared with glazed materials. Brunot-Gohin et al. 2012



Pre-operative view



IPS e.max CAD hybrid abutment crowns



Try-in of the IPS e.max CAD hybrid abutment crowns



Completed IPS e.max CAD hybrid abutment crowns



Seated IPS e.max CAD hybrid abutment crowns

IPS e.max® Shade Selection Wheel - now also available as an app!

A natural and esthetic look is the goal of any all-ceramic restoration. A prerequisite for achieving such lifelike results is the selection of the most suitable blocks/ingots. The selection criteria are based on the desired tooth shade and the determined stump shade. The new IPS e.max® “Shade Selector” app will further simplify this decision in the future.



The popular manual shade selection wheel for the determination of the suitable block/ingot is now also available in a digital version. In order to obtain esthetic all-ceramic restorations, the clinician selects the desired tooth shade and determines the stump shade by means of the IPS Natural Die Material Shade Guide. After having entered the individual patient data into the new IPS e.max® “Shade Selector” app, the clinician is immediately informed about the most suitable IPS e.max lithium disilicate ingot (Press or CAD) in terms of shade and translucency.

The “Shade Selector” app can be used any time and even offline. The free app can now be downloaded on the iPad from the iTunes App Store.



Scan the QR code and download the app.

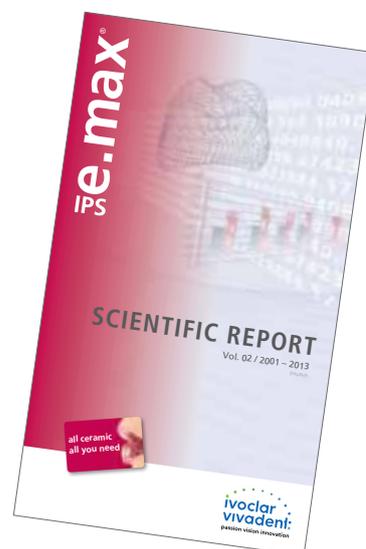
IPS e.max® Scientific Report Vol. 02 The success story continues

The new issue of the Scientific Report from Ivoclar Vivadent comprises the most important studies on the IPS e.max® all-ceramic system of the last twelve years. The results of 20 clinical in vivo studies and additional in vitro studies confirm the long-term success and the reliability of IPS e.max.

The IPS e.max system has been scientifically documented since its development. Many renowned experts have contributed with their study results to the excellent data base available today. The most important study results as well as detailed information on the methods, successes and survival rates are provided in the second issue of the IPS e.max Scientific Report.

To date, more than 60 million IPS e.max restorations have been placed worldwide and the demand continues to increase. IPS e.max represents an all-ceramic system offering an optimal solution for all indications. Not only are the material's technical characteristics very good but the system's success has also been scientifically confirmed – allowing dental technicians, dentists and particularly patients to thoroughly rely on IPS e.max.

For further information, please refer to www.ivoclarvivadent.com.

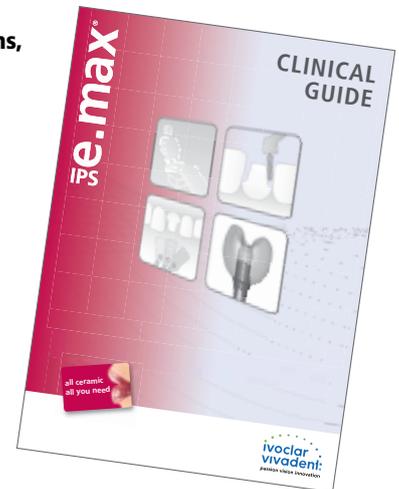


IPS e.max® Clinical Guide – the all-ceramic system in detail

The popular IPS e.max® Clinical Guide has been fundamentally revamped, and new indications, step-by-step instructions as well as clinical cases have been added.

The new IPS e.max Clinical Guide illustrates the basic principles of the IPS e.max system and its materials. The indications of the IPS e.max all-ceramic system and its processing steps are explained in practical examples. Furthermore, clinicians receive useful information for their daily work with IPS e.max, ranging from tooth preparation and tooth and stump shade selection to the placement of restorations.

Eight clinical cases cover a broad thematic field: from veneers to multi-unit bridges. These cases show how restorations are placed and cemented step-by-step using IPS e.max. The new IPS e.max Clinical Guide provides succinct instructions for the successful use of the products in the dental office.



Multilink N and Monobond N

An optimally coordinated team for all cementation cases

No matter if the restoration consists of all-ceramic or metal-ceramic, of composite or alloy, Multilink N and Monobond N are optimal cementation partners. Thanks to their wide range of indications, both products are integral parts of the dental office.

Monobond N contains active monomers (silane methacrylate, phosphoric methacrylate and sulfide methacrylate) which turn the previously hydrophilic restoration surface hydrophobic by means of layer formation. Consequently, Monobond N is able to optimally wet the restorative material. As the free methacrylate groups are chemically incorporated during the curing of the composite matrix, a reliable bond is established.

Good adhesion – even without the use of polymerization lights

The versatility of the system ultimately also depends on the curing mode of the luting composite as the currently available high-performance ceramics are available

in different levels of translucency. Not only the opaque but also the translucent and yellowish ceramic materials reduce the light intensity considerably, even if strong polymerization lights are used. This implies that cementation materials must not only provide good bonding features when light-cured but also when self-cured. Multilink N meets these requirements thanks to its fast and excellent self-curing properties.

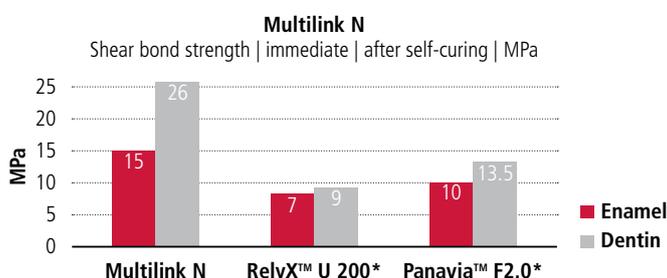
The team of Multilink N and Monobond N Primer meets all the essential requirements placed on a cementation system: a strong and stable bond, a wide range of indications and easy handling.

Multilink N and Multilink N Primer

The luting composite and the self-etching primer are specially coordinated with each other. The self-etching primer seals the dentin, ensures a good marginal seal as well as high bonding strength. A strong and stable bond is ensured after self- or light-curing of the composite.

Monobond N

The universal primer provides a durable bond to all restorative materials.



Source: Muñoz CA, University at Buffalo, 2012

*RelyX™ U 200 and Panavia™ F 2.0 are not registered trademarks of Ivoclar Vivadent.





Cervitec Gel

A good taste - the key to treatment success

German dentists are satisfied with the taste of the oral health care gel Cervitec Gel and would recommend it to their patients. These results have been gathered from a customer survey conducted by Ivoclar Vivadent.

Around 4,500 dentists across Germany were asked to rate their satisfaction with the oral health care gel Cervitec Gel. With a response rate of 15 per cent, or 671 successfully returned survey forms, the participation in this survey was relatively high. Seventy-two per cent of the interviewees rated the gel's taste as pleasant and 28 per cent as neutral. Ninety-seven per cent of the participants would recommend Cervitec Gel to their patients.

Protection for gums, teeth and restorations

Cervitec Gel contains 0.2 per cent chlorhexidine and 900 ppm fluoride. It protects the

gums, teeth and restorations, and prevents inflammation. Cervitec Gel can also be used as an ancillary measure in the treatment of patients with increased bacteria counts or inflammatory diseases of the mucous membrane, gingiva or periodontium.

Furthermore, the oral health care gel helps to keep the bacteria count around prosthetic restorations low. It keeps restorations odour-free and protects the remaining dentition.

(Source: Ivoclar Vivadent customer survey 2012)



OptraGate®

Straightforward relative isolation

The latex-free OptraGate® lip and cheek retractor enlarges the access to the treatment field effectively and allows for enhanced patient comfort.



OptraGate® enlarges the access to the treatment field

Our saliva is beneficial to a great number of mechanisms supporting our oral health. With its rinsing and buffering function, saliva protects our teeth and mucosa against chemical and mechanical influences. Furthermore, many of the salivary proteins feature antibacterial, fungicidal and antiviral properties and ultimately contribute to the health of the entire organism.

Basis for a long-term treatment success

Despite the many positive effects, the multi-functional body fluid often impedes the dental treatment process. A dry, accessible treatment field forms the basis of a long-term treatment success, particularly in situations in which moisture-sensitive dental materials are used. OptraGate retracts the lips and cheeks gently and evenly over a large area, allowing a more effective relative isolation of the treatment field. Furthermore, the significant reduction of additional tools necessary to retract peri-oral soft tissue enhances the view of the treatment field so that the dental treatment can be performed even without dental assistance in individual cases.

Tetric® N-Ceram Bulk Fill

New light initiator Ivocerin® multiple times more reactive

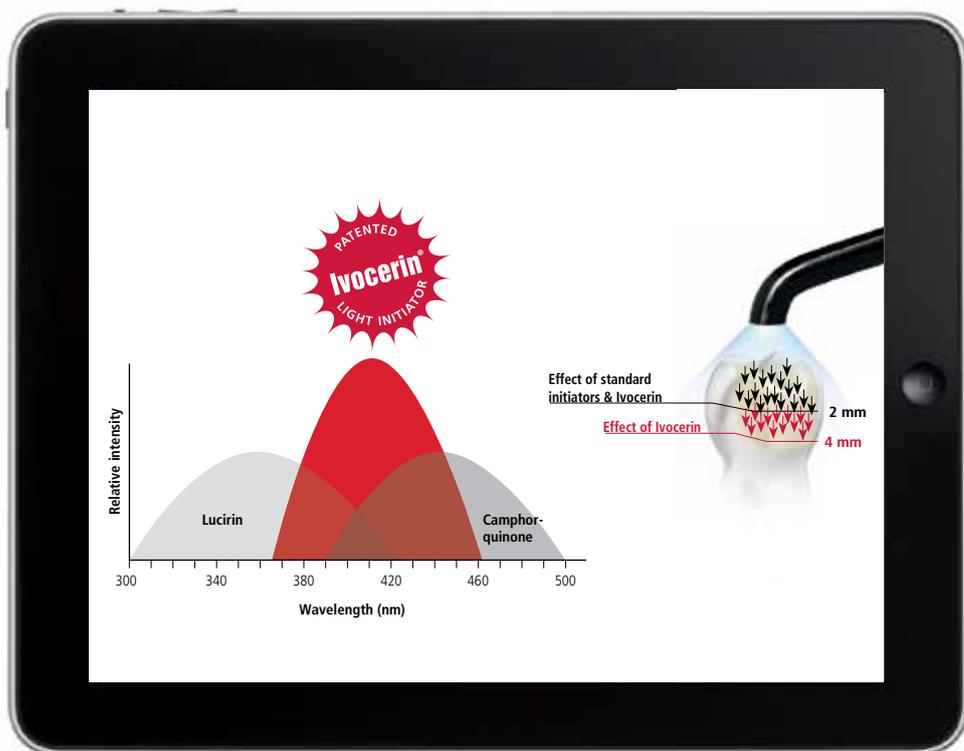
Tetric® N-Ceram Bulk Fill is the new, time-saving 4-mm bulk composite developed by Ivoclar Vivadent. It allows placing posterior restorations faster and more efficiently than conventional composites.

In the past, dentists had to fill cavities in painstaking 2-mm layers, which had to be polymerized individually. The posterior composite Tetric N-Ceram Bulk Fill can now be applied in layers of up to 4 mm and polymerized in a final step. In addition to the most frequently used light initiators camphorquinone and Lucirin, Tetric N-Ceram Bulk Fill contains the patented Ivocerin® light initiator.

Ivocerin is multiple times more reactive and is also activated in deep cavities. Tetric N-Ceram Bulk Fill is fully light-cured in only 10 seconds ($\geq 1,000$ mW/cm²) using, for example, the LED polymerization light Bluephase® Style (1,100 mW/cm² \pm 10%).

Enamel-like translucency

An additional advantage of the posterior composite is the translucency of the composite material. The darker and more opaque the material, the lower the curing depth as less light is available for the initiators. A curing depth of 4 mm, which is achieved with Tetric N-Ceram Bulk Fill, is only possible if the material is very translucent or contains only few filler particles. Conventional initiator systems soon show their limitations in this respect. In comparison to other bulk fill composites, Tetric N-Ceram Bulk Fill features enamel-like translucency of 15%. The patented light initiator from Ivoclar Vivadent enables reliable curing of the composite layer.



Tetric® N-Ceram Bulk Fill

Key Feature Clip

The secret of Tetric N-Ceram Bulk Fill is based on three core features: the patented light initiator, the light sensitivity filter and the shrinkage stress reliever. The animated video clip comprehensively explains the technology of Tetric N-Ceram Bulk Fill. Furthermore, the technical diagrams and graphs show the unique product advantages compared to conventional composites. The video clip presents the most important aspects from a scientific and a user point of view.



Scan the QR code and watch the clip.

Fluor Protector N – product features meet customer demands

Dentists are convinced of the product features of the new Fluor Protector N fluoride varnish system from Ivoclar Vivadent.

A selected group of international experts tested Fluor Protector N, the innovative fluoride varnish system, from October 2012 to May 2013. This product test aimed at evaluating the satisfaction level of Fluor Protector N users with regard to application, product features and handling of the new multi-dose delivery form. A total of 62 questionnaires were analyzed.

The individual results are as follows:

- More than 95% of the respondents stated that they would be using Fluor Protector N in the dental office in the future.
- 80% of the users were generally satisfied with the product features of Fluor Protector N. More than 80% appreciated the homogeneous consistency and the application methods of the innovative fluoride varnish.
- Three quarters of the testers were convinced that the new delivery form was advantageous for multiple use: They confirmed the convenient dispensing and hygienic delivery form.
- 72% of the users were satisfied with the acceptance rate of the varnish by their patients.
- When compared to other, currently used products, Fluor Protector N fulfils the user requirements.
- The respondents frequently reported the following fields of application for fluoride varnishes such as the Fluor Protector N:
 - caries prevention
 - sensitive teeth
 - targeted remineralization of initial lesions
 - caries prevention in the context of group prophylaxis

Source: Survey by Ivoclar Vivadent AG, 2012

The innovative varnish system with a homogeneously dissolved fluoride source ensures immediate availability of the fluoride. Fluor Protector N releases its entire fluoride content within a very short time. As a result, dental enamel is directly and effectively supplied with fluoride.

Fluor Protector N

- is ready for immediate application
- contains evenly distributed fluoride
- allows controlled fluoride application
- adheres well.



A single fine layer of Fluor Protector N is sufficient to achieve the optimum effect.

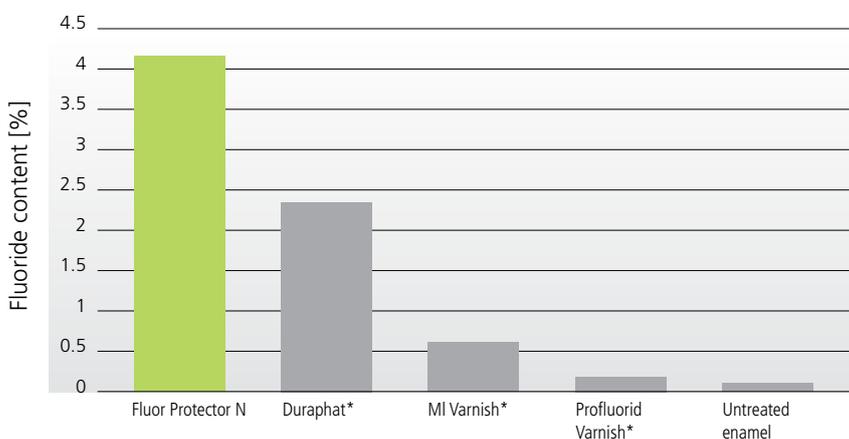


Fluor Protector N is easy to dispense.

Conclusion:

The protective fluoride varnish Fluor Protector N offers enhanced protection against dental caries and erosion.

Focus on topical fluoride application



*Not a registered trademark of Ivoclar Vivadent AG

Fluoride content in enamel after the application of various fluoride varnishes; energy dispersive x-ray analysis (Ivoclar Vivadent R&D, 2012).



SR Nexco®

Video tutorials make work easier

New video tutorials are now available for people who use or are interested in using SR Nexco® Paste. The tutorials give a compact view of the straightforward procedure used in the application of this laboratory composite. They provide step-by-step instructions for a variety of indications. The following applications are described in individual sections: fabrication of framework-free restorations such as inlays and anterior crowns, creation of metal-supported bridges and modification of SR Phonares® II denture teeth.



The videos can be obtained from the Download Center on the Ivoclar Vivadent website. It goes without saying that the tutorials do not replace the Instructions for Use. In order to use the laboratory composite correctly, the Instructions for Use should be consulted before proceeding to work with the material.

The apps from Ivoclar Vivadent



Keep up to date with the News & Highlights app from Ivoclar Vivadent. The app provides the latest information about new products, upcoming events and other important items.



The Alloy Configurator offers guidance and orientation in the selection of the correct alloy.



Reflect presents professional articles in the form of interactive photographic series and provides interesting information about the products used and the publication authors.



The IPS e.max® Shade Selection Wheel from Ivoclar Vivadent provides help in the selection of the most suitable block/ingot available for the case at hand on the basis of the desired tooth shade and the established preparation shade.



The Cementation Navigation System offers dentists and dental technicians practical orientation and guidance in the cementation of dental restorations.



The "maze" game for dental professionals. Find your way out of the cements maze with the help of CNS.



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