

A close-up photograph of a dental crown, showing its layered structure and smooth surface. A white magnifying glass graphic is overlaid on the image, with a circular lens focusing on a specific area of the crown's surface. A thin white line extends from the top edge of the magnifying glass handle to a small circle, which is positioned above the main text.

Focus on Esthetics

Temporaries
Veneer cementation
Treatment of
white spot lesions



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DMG

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 **DMG**
Dental Milestones Guaranteed



Naturally
beautiful teeth

That's
why we're here.

Focus on Esthetics

Meeting esthetic demands at the very highest level: DMG is here to help.

With superior quality dental materials made in Hamburg.

The aim of this folder is to provide a practical look at some of the focus areas of esthetic dentistry to which we are committed on your behalf.

Esthetics, safety, reliability.

Independent testing organizations have confirmed the high quality of our work for you. DMG products regularly receive excellent ratings. According to Dental Advisor, for example, Luxatemp is the «Best of the Best» when it comes to esthetic, precision-fit temporaries. The infiltration method provided by Icon, which can be used to treat white spot lesions, has won various accolades, including the German Innovation Prize.

New ideas for the advancement of dentistry.

That is the aim of our research, development and production activities, carried out entirely in-house at our facilities in Hamburg, Germany. Today, around 20% of our employees are involved in research and in (product) development. The result: DMG is the owner of more than 100 international patents.

»Even the modification of a single tooth, the insertion of a single crown, can have a considerable impact on the patient's overall appearance.«

Dr. Daniel Farhan



Precision-fit temporaries

Temporaries have a number of tasks to fulfill. Anatomical, functional and esthetic. Patients are becoming increasingly exacting when it comes to prosthetic restorations. As a result, they are placing ever-greater emphasis not only on having functionality restored, but also on the esthetic appearance of their smile.

The use of temporary restorations has proven its worth, both in terms of defining the expectations of the patient as accurately as possible and being able to meet these expectations.

Not only with a view to protecting the prepared cores, but also to simulate the desired treatment result. With the Luxatemp range, all options are open.

»I would give up doing temporaries if Luxatemp was no longer available.«

Dr. Mervyn Druian, UK



Before: Minimally-invasive veneer preparation following trauma to tooth 21.



After: Highly esthetic temporary following placement.

These products support treatment with Luxatemp Star



Be it secure adhesion or easy removal – TempoCem NE, the eugenol-free luting cement for temporaries which is based on zinc oxide meets both requirements perfectly.



The flowable, light-curing composite LuxaFlow Star with its natural fluorescence facilitates a natural appearance under all lighting conditions.



A high-gloss finish without polishing thanks to Luxatemp-Glaze & Bond, the light-curing varnish for surface sealing.

More information
at dmg-dental.com/en/luxatemp

The treatment process:



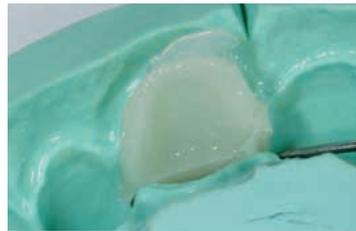
The wax-up simulates the temporary.



Filling of the silicone key with Luxatemp Star.



Insertion of the impression into the mouth.



Removal of the working temporary from the silicone key.



Coarse finishing using the acrylic bur.



Inclusion of mamelon structures using the finishing disc.



Refinement of the incisal edge with translucent EcuSphere-Shine.



Following final finishing with Luxatemp-Glaze & Bond.



Luxatemp Star

Indications

Temporary crowns, bridges, inlays, onlays, partial crowns, veneers and long-term temporaries

Highlights

Maximum break resistance and flexural strength

Benefits for the dentist

- A precision fit and stability you can rely on.
- Convincing esthetics and lasting color stability.
- Easy to process

Product video and video tutorial:

www.youtube.com/dmgdentalEN

All steps at a glance:

Illustrated step-by-step sheet included with the packaging

Awarded.



Mock-up creation

An increasing number of patients have very specific expectations as to what their smile should look like after treatment. For these patients, as well as for dentists themselves, being in a position to plan the subsequent result as accurately as possible is crucial.

For this reason, the importance of the mock-up technique in veneer restorations has grown enormously in recent years. The mock-up created using a wax-up model provides an invaluable preview, as well as important insights, for the fabrication of the final restoration.

For this purpose, the practitioner requires temporary acrylic that doesn't just deliver highly esthetic results. Durability, flexural strength, break resistance and shade stability are also essential if the mock-up is to be worn over a longer period for medical or esthetic reasons.

The preparation protocol

- The mock-up technique is not only useful in providing a preview of the final esthetic result.

It can also be an important instrument to verify preparation during the course of veneer restoration.

Benefits compared with other preparation protocols: In terms of the preparation protocol, the preparation with the aid of an esthetic mock-up is reproducible, practical and simple from a clinical perspective.

The treatment process:



Unesthetic initial situation with diastema, black triangular areas and diffuse composite fillings.



A silicone key and Luxatemp Star transfer the wax-up to the clinical situation.



The mock-up simulates the final result and facilitates guided and minimally-invasive preparation.



The minimally-invasive preparation in the enamel enables maximum tooth structure preservation.

»Even the most successful restoration from a dental perspective is a failure if the resulting esthetic change is not welcomed by the patient. The mock-up technique provides the dentist with an approach that allows esthetics to be clarified quickly and easily.«

Prof. Dr. Jürgen Wahlmann



»Temporaries are playing an increasingly important role in dentist-patient communication.«

Dr. Daniel Farhan

Highly-esthetic veneer restoration

Over the last ten years, improvements in adhesive cementation materials and dental ceramics have introduced new areas in clinical application. Modern minimally-invasive concepts with non-prep and low-prep veneers such as Lumineers protect the tooth structure as well as meeting the most exacting esthetic requirements. Despite the progress that has been made in the adhesive technique, the successful cementation procedure for all-ceramic restorations nevertheless remains quite dependent on the

technique used. In this respect, the luting cement must meet a variety of esthetic and functional criteria.

With the new Vitique system, DMG offers comprehensive support. This premium composite-based cementation system has been specially developed for demanding veneering procedures. Comprehensive user services supplement the benefits of the product.

Non-prep veneers



Before:
Significant diastemata in the upper anterior jaw area.



After:
Esthetic gap closure using non-prep veneers.

Low-prep veneers



Before:
Significant diastemata and asymmetric tooth positioning.



After:
Balancing of the tooth misalignment with low-prep veneers.

The treatment process:



Initial situation with inadequate filling and root caries of tooth 11.



Situation after surgical and conservative pre-treatment.



Minimally-invasive preparation for crowns (11, 21) and veneers (12, 22).



All-ceramic restorations with delicate veneers and full crowns.



Adhesive cementation with Vitique in various shades.



Final situation with a highly-esthetic treatment result.



Vitique

Indications

Definitive, highly esthetic cementation of ceramic or composite veneers

Highlights

Complete system for esthetic cementation of veneers comprised of a cementation kit and accessory kit

Comprehensive user support, e.g. through the detailed user guide provided, that includes an illustrated step-by-step description of the entire treatment procedure

Benefits for the dentist

- Complete system includes all materials for esthetic veneer cementation
- User guide and video tutorial to support users
- Additional services: Expert Hotline and photography course

Ask the experts. For more information, go to www.dmg-dental.com

Expert Hotline*
+49(0) 40.84006 655

Video tutorial
dmg-dental.com/en/tutorials

All steps at a glance:

A comprehensive user guide (5 illustrated step-by-step sheets) for veneer restoration is provided with the kit.

*Please note that our experts cannot provide diagnostic and therapeutic advice, but are only available for advising on the optimal esthetic use of veneers.



Infiltration of white spot lesions

How can white spot lesions on smooth surfaces be appropriately treated providing a satisfactory esthetic result without the need for time-consuming, invasive procedures? This is where the caries infiltration method offers new opportunities.

The principle: due to capillary force, a highly fluid acrylic penetrates deeply into the porous tooth enamel where it is light-cured.

Once filled using this acrylic, which provides a similar appearance to enamel, the spots blend in esthetically with the healthy surface.

This allows white spot lesions on smooth surfaces to be successfully masked, e.g. following the removal of bands. Changes in the enamel such as mild to moderate fluorosis can also be very successfully masked.

Caries



Before: Cariogenic white spot lesions following orthodontic treatment with a fixed appliance. Optimum infiltration results can be achieved particularly in the first few weeks following band removal.



After: Result immediately after treatment. It was possible to fully infiltrate the porous lesions.

Fluorosis



Before: Patient with mild to moderate fluorosis. At the beginning of treatment, bleaching was carried out that did not, however, provide a satisfactory result.



After: As a result, infiltration treatment was performed a few days after bleaching. Three etching cycles were carried out to produce this excellent outcome.

The treatment process:



Initial situation: Patient with mild fluorosis that she considers esthetically unattractive.



Following careful cleaning and drying, the pseudo-intact surface layer is removed using Icon-Etch.



Visual control during application of Icon-Dry – decision as to whether the etching step should be repeated.



Icon-Infiltrant penetrates deeply into the pores and fills them. The lesion is masked.



Careful polishing following removal of the rubber dam prevents subsequent discoloration.



The superb esthetic result immediately after treatment.

Product brochure and further information at www.dmg-dental.com

Awarded.



Deutschland
Land der Ideen
Ausgewählter Ort 2009



»When you can subsequently show the patient that the white spots are gone – then they are absolutely delighted.«

Andrea Kordelle, dental assistant



Icon

Indications

Micro-invasive treatment of enamel-restricted, non-cavitated lesions in the vestibular area (e.g. cariogenically induced white spots following the removal of brackets), fluorosis

Highlights

Refractive index similar to that of healthy tooth enamel so that the appearance of the infiltrated lesion blends in with that of the surrounding healthy enamel.

Benefits for the dentist

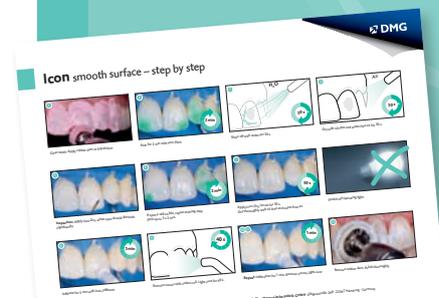
- Gentle esthetic treatment of white spot lesions
- No unnecessary loss of healthy tooth substance
- Simple treatment in just one session

Video tutorial

www.youtube.com/dmgdentalEN

Comprehensive information material

Overview of studies, illustrated step-by-step instructions, patient magazine and a lot more besides is available online.



We are there for you. DMG.

DMG offers dentists a comprehensive portfolio of high quality materials.

In addition to esthetically oriented dental medicine, the focus in this respect is on two additional areas in particular.



Prevention and caries infiltration

Prevention before drilling, conservation rather than restoration: DMG is your reliable partner when it comes to therapy that is gentle on tooth substance. Early caries treatment without drilling? Professional prophylaxis systems?

At www.dmg-dental.com you can find out all about Icon approximal, Flairesse and other DMG product solutions for modern minimally-invasive dental medicine.



Implant prosthetics

From exact implant impression-taking through to precision-fit temporaries: DMG supports you in a variety of areas of modern implantology. The precision impression material Honigum-Heavy has been expressly recommended by the renowned Brånemark Center for Implantology, for example.

More on Honigum, LuxaBite, Luxatemp and other DMG product solutions at www.dmg-dental.com

Assured quality



All products that bear the DMG name have been produced with the utmost care in Hamburg, rigorously controlled, and certified. DMG was one of the first ISO certified companies in Germany; today, approximately 20 employees work in the area of quality management and control.

HOW GOOD ARE WE? LET US KNOW.

At www.dmg-dental.com/rating, you can rate your DMG product quickly and easily.

We look forward to your feedback.



For dentists



For assistants

Competent knowledge communication: The DMG commitment to professional training

As a partner to dentists, our aim is to support you in your work beyond our product solutions but with practice-oriented education and professional training events.

For dentists

In cooperation with renowned experts, DMG carries out numerous international professional training events. An example is the sought-after hands-on courses on the subject of veneering technology with Dr. Galip Gürel in Istanbul.

But there is also a lot on offer at home. «Scientific Talk@DMG», for example. A series of events on current topics with scientific background information. Originally run twice a year at DMG facilities in Hamburg, it has been extended due to its considerable success.

Contact

You are welcome to contact us directly with any questions.

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For the practice team

DMG has developed a professional training program specifically for dental assistants with events on a variety of topics that are targeted towards the practice team.

Video tutorials

On DMG's YouTube channel you will find educational videos that not only cover DMG products but also look at the scientific background and its importance for each practice.

Dr. Felix Wöhrle, Scientific Head of Training and Education, presents an entertaining e-learning program at www.youtube.com/dmgdentalEN

