

SHOFU

News



Proven Products for Better Dentistry

SHOFU AT THE IDS 2013



Dear business partners,
 at SHOFU, product quality, research and development has always been an important part of the company philosophy. You are continuously faced with the challenge of using the next high quality and aesthetical methods as well as economically efficient procedures. Products from SHOFU support you and provide clinically proven and optimally tailored solutions that meet the increasing local economic requirements. Find inspiration by our exhibition highlights!

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-  DENTAL LABORATORY

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Professional abrasives meeting the highest demands

Uwe Diedrichs

Dentist

Vice president "Deutsche Gesellschaft für Prothetische Zahnmedizin und Biomaterialien e.V." (DGPro)
Vaduz / Liechtenstein

BeutiCem SA



The new resin cement BeutiCem SA is characterised by convenient application directly from the auto-mix syringe, easy excess removal, and high aesthetic quality – features I have come to like about SHOFU's non-self-conditioning resin cement system ResiCem in clinical practice. And of course BeutiCem SA is quite attractive, because it eliminates a number of separate, technique-sensitive work steps, such as the conditioning of enamel, dentine and the internal surfaces of the restoration. This makes adhesive luting quick and reliable!

Due to the publication of rather disappointing data on the long-term bond strengths of a few other self-conditioning resin cements, which have been on the market for some time, I am basically somewhat skeptical about this group of "magic materials", but when it comes to BeutiCem SA, the data available so far have encouraged me to change my attitude.

BeutiCem SA is a self-etching, self-adhesive, dual-curing resin cement in an auto-mix syringe.

It guarantees a simple, fast and reliable adhesion for a variety of substrates ranging from tooth structure (enamel and dentine) to metal, indirect resins and ceramics, without causing post-operative sensitivity.

The dual cure mechanism anchors the restoration through a stable bond and assures adequate polymerisation even in areas with limited light penetration while totally eliminating the need for phosphoric acid etch. BeutiCem SA is a non-sticky cement with ideal viscosity that does not run, enabling controlled delivery and accurate placement of the restoration.

A carefully controlled filler-resin ratio optimises the refractive index to achieve one of the highest levels of translucency for challenging aesthetic cases.

The specially developed catalyst facilitates maximum resin polymerisation of the composite, for enhanced colour stability, high resistance to discolouration especially at the margins and low solubility in oral fluids. Remarkable radiopacity also aids in diagnostic follow up.



Self-adhesive resin cement



- Durable excellent bond to a broad range of substrates
- High level of translucency for aesthetic cases
- Maximum resin polymerisation thanks to a new formulated polymer catalyst
- Optimal viscosity makes it easy to use
- Extremely thin bonding layer (11.8 µm) provides invisible margins
- Virtually no post-operative sensitivity
- Effective release of fluoride



BeutiSealant



This flowable composite material is currently the standard pit & fissure sealant used in our practice.

Since the sealant system is very easy to handle – even for only one operator – a large number of teeth requiring fissure sealing can be treated without difficulty in a single appointment, which does not have to be excessively time-consuming.

Directly after the necessary cleaning step, the self-etching primer can be applied to the tooth surfaces to be sealed. Light curing is not needed until the application of the composite sealant is completed.

The ultra-fine needle tip attached to the BeutiSealant syringe is particularly advantageous, because it allows the user to selectively and precisely seal even extremely narrow fissures and tiny pits in both posterior and anterior teeth.

The pleasant colour of BeutiSealant is also a highly beneficial material property, in my opinion. It seems to be a very successful aesthetic compromise, contrasting and harmonising with the natural tooth colour in just the right proportion.

BeutiSealant is a quick, gentle and easy-to-apply sealant system optimised for smooth and bubble-free consistency.

BeutiSealant Primer contains dual adhesive monomers that thoroughly penetrate pits and fissures, allowing the sealant to bond well and develop shear bond strengths that meet or exceed the levels of conventional sealants – without the use of an etch & rinse technique.

In addition, the proprietary S-PRG (Surface Pre-Reacted Glass) filler particles have been shown to promote the remineralisation process.

For precise delivery without any “overfilling”, the system offers a special no-ooze syringe and a tiny 27-gauge needle tip.



Application of primer



Application of paste



End result: perfect sealing



Four easy steps



1 Apply primer to cleaned tooth and leave for 5 seconds



2 Gently air dry for 5 seconds



3 Apply paste



4 Light cure with a halogen (20 seconds) or LED (10 seconds) curing light

Fluoride-releasing fissure sealant



- Gentle on enamel
- Ideal handling and viscosity
- High shear bond strength
- Four easy steps; 30 second application



Dr. Hans van Pelt

Dentist
EPA acknowledged as recognised specialist in
prosthodontics
University Groningen / The Netherlands

Dr. Kosmas Tolidis, DDS, MSc, PhD

Paediatric Dentist, Associate Professor,
Operative Dentistry Department
Aristotle University of Thessaloniki / Greece

Dr. med. dent. Markus Th. Firla

Hasbergen-Gaste / Germany

Beautiful Flow Plus



Flowable restorative materials have found their way to the dental practice since procedures are more and more tending to preserve hard tooth structure and minimal invasive approaches towards the caries infected sites in the teeth. Another threat in dentistry is tooth wear and early intervention is required to protect dentine and maintain or restore the functional anatomy. For this use other less flowable restoratives have been developed to build up the occlusal surfaces and cusps.

The product line Beautiful Flow Plus is unique and once worked with it the Flow Plus 00 has been adopted and other clinical applications were found such as buildup of teeth to enhance the retention of rubberdam by a clamp or buildup cavity walls prior to matrix fixation. The more flowable Flow Plus 03 is very suitable to fill porosities in temporaries and provisionals. The wear characteristics of Flow Plus 00 seems to be similar of the posterior restorative in compules and this will be a breakthrough in conservative and operative dentistry.



When I was first introduced to Beautiful Flow Plus F00 and Beautiful Flow Plus F03 I was skeptic considering that they are just some more flowable composites. As I started using them I realised that they were really something different and strongly capable to modify my approach to the use of flowable composites. First of all the incorporation of glass-ionomer technology into a resinous matrix with fluoride release and uptake capabilities (Giomer technology) makes you feel a bit more confident towards recurrent caries.

Concurrently, Beautiful Flow Plus F00 allows me to perform an extremely precise placement of an aesthetic restorative material (it stays where you put it), greatly facilitating building-up and incorporating colour and morphological characteristics to my restorations no matter to their extent. It is easy to handle and subsequently finish to a high aesthetic level with the use of SHOFU's finishing accessories (Super-Snap discs, OneGloss, etc).

On the other hand Beautiful Flow Plus F03 is either used in small cavities or always to line cavities, in order to act as an elastic substrate to my main composite layer, substituting for glass ionomer cement liners.

In view of the above I have no hesitation in pointing out that Beautiful Flow Plus F00 and Beautiful Flow Plus F03, both have remarkable capabilities and justly earned their position in my armamentarium for aesthetic restorations.



In my opinion, flowable composite materials for direct adhesive restorations have become the best all-round restoratives available today.

Product lines like Beautiful Flow and Beautiful Flow Plus, which are absolutely suitable for all cavity classes (I, II, III, IV and IV) thanks to optimised material properties and different degrees of flowability or stackability during application, are currently used for more than 80 percent of all direct restorations placed in my practice.

For several years now, these special materials have allowed me to achieve great long-term success even with large-sized and high-stress-bearing restorations in anterior and posterior teeth.

If materials research and technology continue to progress at this pace, the percentage of flowable composite restoratives used for direct and indirect capping, protective cavity bases, core buildups and all types of fillings in anterior and posterior teeth will increase substantially.

BEAUTIFIL Flow Plus combines the delivery of a flowable and the strength, durability and aesthetics of packable hybrid composites.

Outstanding light diffusion properties, extraordinary sculptability, two distinct viscosities and the capability of the patented filler technology to release and recharge fluoride are characteristic for this composite.



Injectable hybrid restorative material for anterior and posterior teeth



- Suitable for all cavity classes
- Easy handling and fast polishing
- Natural aesthetics due to chameleon effect
- High radiopacity
- Fluoride release

Restoration of Class I cavity



Before



After filling

Replacement of a gold inlay



Before



After filling



Bernhard Egger
Dental Technician
General Manager of Natural Esthetics
Füssen / Germany

Wolfgang Weisser
Dental Technician
Laboratory Owner
Aalen / Germany

Jan Langner
Dental Technician
Schwäbisch Gmünd / Germany

German Bär
Dental Technician
General Manager of Dentalstudio St. Augustin
St. Augustin / Germany

Ceravety Press & Cast



Quality is paramount in our company. And SHOFU Ceravety Press & Cast investment perfectly fulfills our requirements, thanks to its easy handling and remarkable versatility. The accuracy of fit of the restorations and the high detail reproduction and smoothness of their surfaces set new standards, especially in the use of lithium disilicate ceramics. Ceravety has allowed us to achieve a new level of quality in our fabrication processes, and I can unreservedly recommend this product to anyone.



I have made all-ceramic restorations from pressable materials for 18 years now. They have become an integral part of the work done at our laboratory. Materials changed in the course of time. Unfortunately, the investments available until now did not satisfy me. Pressing lithium disilicate ceramics created new problems.

When I first tried the new Ceravety investment with pressable ceramics, I was more than just satisfied. The handling is perfect, and unpleasant surprises after preheating (i.e. cracks) are now history. The fit is very accurate, ensuring high edge stability; surface quality is excellent, and divestment is child's play.

These are the properties that state-of-the-art investments should have today, so that dental laboratories can work efficiently and profitably.



Ceravety is an investment that sets new standards in accuracy of fit, handling properties and surface quality. Very importantly, it produces only extremely thin reaction layers when using pressable ceramics.



SHOFU's new Ceravety investment fully satisfied me the very first time I tried it.

The product is highly accurate, suitable for multiple indications and greatly reduces the reaction layer when pressing lithium disilicate ceramics. It ensures smooth surfaces and absolute precision and saves a lot of time during the divestment and trying-in of the restorations.

Ceravety is more than just another investment. For me, it is a time-saving "divestment".

Ceravety
Press & Cast

Ceravety Press & Cast sets new standards in investment technology. It can be used as a speed investment for pressing / press-over and casting procedures, and also for conventional heating.

Thanks to its excellent expansion control, this investment ideally compensates for the shrinkage of pressed and cast objects. In this way, it creates very smooth surfaces with an outstandingly constant fit.

Ceravety Press & Cast features easy divestment, minimising the stress for pressed objects with low wall thicknesses.

The universal speed investment has been shown to produce only very thin reaction layers when using lithium disilicate ceramics and ensures an accurate and time-saving process flow.



Universal speed investment for pressable ceramics and cast alloys



Suitability for all pressing pellets (high and low melting)

Thin reaction layers on lithium disilicate

Excellent compensation for the shrinkage of non-precious and precious alloys

Useable for speed or conventional preheating

Smooth surfaces of pressed / cast objects

Long working time



Universal Opaque

The new light curing paste opaques of the Universal Opaque System offer excellent masking properties and an excellent adhesion to all common dental alloys.

The ready to use opaque concept of one Pre-Opaque and 31 individual compounds can be used as the basis for all colours of the CERAMAGE and the SOLIDEX systems as well as other veneering composites.



Universal Pre-Opaque, the first coat applied, flows into all retention areas of the framework.



The first thin opaquer layer already creates a good masking effect and a homogeneous base shade.



After the application of the second layer the framework is uniformly masked in the desired shade.



Two composite systems – one opaquer concept



Universal system

Universal Opaque is the new opaquer paste generation for the CERAMAGE & SOLIDEX systems.

Easy and quick to apply

Improved thixotropic properties have substantially increased the softness and flowability of the pastes. They are now extremely easy and quick to apply.

Excellent masking properties and durable bond

Specially optimised micro-fillers ensure an extremely fine particle distribution, combining excellent masking properties with an equally outstanding and durable bond to dental alloys.



Universal Opaque

Dura-Green DIA

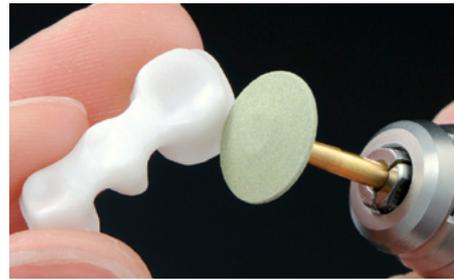
Thanks to a special working part impregnated with diamonds throughout, Dura-Green DIA abrasives cut all-zirconia or zirconia-based restorations, lithium disilicate, aluminium oxide, pressed & layered ceramics and metal surfaces more efficiently and gently than silicon carbide instruments.

Low vibration and minimal heat generation make the abrasives comfortable and safe to use, without any risk of chipping or micro-cracking. At the same time, the instruments feature high edge stability and a long service life.

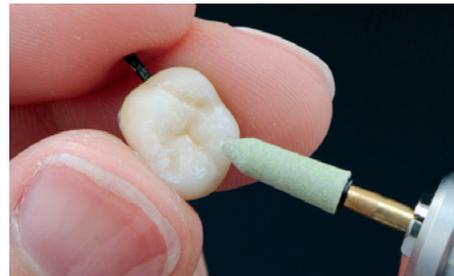
The Shofu Adjuster, made of aluminium oxide, is ideal for instrument cleaning and individual shape adjustment.



CY5: Surface adjustment
Excellent cutting performance offers convenient surface adjustment with efficient material reduction



KN7: Framework adjustment
Gentle on the material when making interdental or marginal corrections and wall thickness adjustments



TC4: Detailed finishing
Whether dressed or in its original shape, TC4 helps to efficiently create surface details and make occlusal adjustments

Dura-Green DIA



Professional abrasives meeting the highest demands



- Efficient and gentle on the material, thanks to Dura-Green DIA abrasives being impregnated with diamonds throughout
- Minimised risk of micro-cracking
- Low contact pressure
- Low vibration
- Minimal heat generation
- High edge stability





SHOFU DENTAL GMBH

Am Brüll 17 · 40878 Ratingen / Germany

Phone: +49 (0) 21 02 / 86 64-0 · Fax: +49 (0) 21 02 / 86 64-64

E-mail: info@shofu.de



www.shofu.de