Oral Care

THE COMPLETE PROPHYLAXIS SYSTEM FOR YOUR PRACTICE
VOCO – THE DENTALISTS

Modern dentistry demands dental products with the highest quality material and user-friendliness. This calls for practice-oriented and efficient solutions. We at VOCO pursue exactly these goals. We see ourselves as “Dentists”, i.e. specialists in dental materials. With this in mind, we focus on this one area of activity and concentrate all our efforts on providing a service to dentistry.

Since 1981, VOCO has been supplying dental practitioners all over the world with high-quality dental materials and today ranks among the internationally leading manufacturers in this sector. With our comprehensive range of over 100 quality products, we supply dental practices and laboratories in over 100 countries with pharmaceuticals and medical devices “Made in Germany” for preventive, restorative and prosthetic dentistry.

Thanks to a certified quality management system and intensive research and development work, VOCO has again and again been able to set new standards in the development of innovative dental materials. For this purpose, VOCO researchers are involved in an active exchange of ideas and information with over 150 universities and other renowned research establishments throughout the world. The expertise of VOCO’s scientific experts is rated very highly. For instance, VOCO has already played a leading part in several research projects sponsored by the German Federal Ministry of Education and Research (BMBF).

Product innovations have repeatedly made VOCO a pioneer in the world of dentistry. An example is Grandio®, the first nano-hybrid composite worldwide, which advanced to become one of the most successful universal restoratives internationally due to its excellent material and handling properties. With the Grandio® SO, VOCO presents a nano-hybrid composite for all classes of cavity which, thanks to its physical parameters, is considered one of the most tooth-like restorative materials.

The VOCO range comprises temporary and permanent restoratives and lining materials of different material classes, adhesives and luting materials, root posts and core build-up systems, impression materials, materials for the fabrication of temporary crowns and bridges, fissure sealants, preparations for fluoridation and desensitisation, as well as laboratory products and devices.

In this catalogue VOCO presents its current product range in the field of prophylaxis and hopes to provide you with useful inspiration and ideas for clinical practice.

As usual, the Oral Care catalogue provides you with comprehensive information on each individual product and offers you a quick and practical overview of the entire product range. You can now find the fundamental product characteristics at a glance: our new icons visualise the core properties, meaning you know immediately whether the product must be light-cured or how high the fluoride release is. Different icons help you to find the right product and enable initial classification and judgment within seconds, which allows you to quickly gain a general overview.

### Oral Care

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- Application of the material
- Curing of the material
- Filler content
- Material composition

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Oral Care

A SYSTEM FOR THE WHOLE FAMILY

The main oral diseases are caries and periodontitis. It has been scientifically proven that the risk of both of these diseases can be reduced through regular professional prophylaxis measures, a healthy diet and good oral hygiene at home.

Measures which help to preserve teeth for a lifetime
- Regular check-ups by a dentist
- Professional tooth cleaning
- Regular fluoridation
- Sealing of fissures
- Good oral hygiene at home
- A healthy and balanced diet

With its new and complete prophylaxis system, VOCO offers solutions for patients of all ages. In addition to tried and tested prophylaxis products, we also offer preparations for remineralisation, desensitisation, products for oral hygiene at home as well as a tooth whitening system. To ensure optimal working procedures for you and to offer your patients pleasant and highly effective treatment, our products have been developed in conjunction with experienced scientists, practitioners and patients. VOCO supports you with a highly effective concept which not only satisfies your demands in terms of efficiency but also your patients’ expectations as regards comfort.

Your patients can choose between lifelong prophylaxis or lifelong treatment.

Today caries prophylaxis is becoming increasingly important. The foundations for a long-lasting, healthy set of teeth are already laid down in childhood. The prevention of caries should begin when the first milk tooth appears. After all, lifelong healthy teeth and gums require regular and thorough care. Healthy deciduous teeth are the prerequisite for a permanent set of teeth which remain healthy.

Given the growing awareness of the need for oral health and, in particular, comprehensive prophylaxis work, more than half of all German children starting school have caries-free milk teeth. Around two thirds of 12-year-olds in Germany have naturally healthy permanent teeth. These are the results of a study by the Department of Paediatric Dentistry at the University of Marburg performed on behalf of the DAJ.

To ensure that this trend continues, VOCO offers products which have been specially developed for prophylaxis and prophylaxis for children.

Bibliography
1 Prof. Dr. Klaus Pieper, Marburg University: “Epidemiologische Begleituntersuchungen zur Gruppenprophylaxe 2009” (Epidemiological accompanying studies on group prophylaxis 2009)
You can encounter many causes of your patients’ dentine hypersensitivities during your daily work. Bifluorid 10 is the ideal preparation to effectively alleviate these complaints. Bifluorid 10 is ideally suited for accelerated remineralisation and fluoridation of tooth substance. Bifluorid 10 also prevents secondary caries after restoration, especially after employment of the etching technique.

Bifluorid 10 features a varnish base made from natural materials and the unique combination of 5 % sodium fluoride (equal to 22,600 ppm fluoride) and 5 % calcium fluoride. The special combination of the two fluoride salts permits both an immediate high release of fluoride (through NaF) and long-term fluoridation (through CaF$_2$). The easily soluble sodium fluoride provides the quick release of fluoride ions, that are converted to calcium fluoride on the tooth surface to effectively support remineralisation. The less soluble calcium fluoride, which also makes up 5 % of Bifluorid 10, acts to ensure that the fluoride remains on the surface of the teeth for an extended period of time. This, in turn, guarantees long-term fluoridation and long-lasting prophylaxis.

Bifluorid 10 adheres especially well to enamel and dentine and dries quickly, thanks to its coordinated composition. The treated tooth is immediately protected against harmful external influences. The dentinal tubules are effectively sealed through the precipitation of calcium fluoride. Sustained protection against chemical, thermal and mechanical stimuli is the result your patients will notice immediately.

The treated teeth are not discoloured by the thinly applied, transparent varnish. The aesthetics are not affected.

**Indications**

- Treatment of hypersensitivity, including
  - cervical area and crown margins
  - sensitivity after professional cleaning and calculus removal
  - tooth surfaces after preparation and / or grinding
  - worn occlusal surfaces and teeth carrying clasps
  - after injury of the enamel (e.g. fractures, chips)
  - sealing cavity margins after restoration, especially after the etching technique has been employed
  - as a dentine protection / lining under amalgam fillings

**Advantages**

- Immediately desensitising
- Formation of a protective coat against thermal and mechanical influences
- Transparent – no discolouration of teeth
- Special varnish base reinforces long-term effect and deep fluoridation
- Economical and simple – high yield, low cost, fast application
- Dries quickly
- Colophony-free

**Mode of action of the sodium and calcium fluoride contained in Bifluorid 10®**

**Tubulus A:**
Formation of calcium fluoride by the reaction of the sodium fluoride contained in Bifluorid 10 with calcium ions contained in the saliva and dentinal tubuli liquid

**Tubulus B:**
Storage of the calcium fluoride contained in Bifluorid 10 in the tooth substance and tubuli

**Presentation**

- REF 1615  Bottle 4 g, Solvent bottle 10 ml
- REF 1616  Bottle 10 g
- REF 1617  Bottle 3 x 10 g, Solvent bottle 10 ml, Pele Tim No. 1
- REF 1618  SingleDose 50 pcs., accessories
- REF 1619  SingleDose 200 pcs., accessories
- REF 1032  Solvent bottle 10 ml
In addition to thorough sound oral hygiene at home, the basis for the prophylaxis of caries, periodontitis and peri-implantitis, is regular professional tooth cleaning (PTC) tailored to individual requirements. This creates noticeably smooth surfaces which inhibit renewed attachment of plaque-forming bacteria and the formation of staining. These are perfect preconditions for long-lasting oral health. The CleanJoy system enables you to thoroughly yet gently remove hard as well as soft plaque and staining from dental hard tissue, fillings, implants and prosthetic restorations. The “fine” paste is barely abrasive and therefore also suitable for polishing after using a powder jet device.

**Indications**
- Removal of soft and hard surface plaque
- Removal of extrinsic discolouration (e.g. staining from coffee, tea or tobacco)
- Polishing of tooth surfaces as part of professional tooth cleaning, prior to whitening or following the removal of orthodontic devices
- Cleaning and polishing of restorations as part of professional tooth cleaning
- Removal of residues of temporary luting material prior to definitive bonding (cementation)

**Advantages**
- Stable, homogenous consistency
- No splashing (2,000 - 3,000 r / min)
- Available in three abrasion grades, thus can be individually adjusted to each situation
  - red paste (coarse)  RDA value* = 195
  - yellow paste (medium)  RDA value* = 127
  - green paste (fine)  RDA value* = 16
- Traffic light coding: simple to use without confusion
- Can be used with any conventional instrument (small brush, cup, etc.)
- Contains fluoride (700 ppm) and xylitol (inhibiting effect on the metabolism of bacteria)
- The green polishing paste has a very low grade of abrasion and is therefore also suitable for the care of implants
- Pleasant light mint flavour
- Noticeably smooth teeth

* RDA values measured in accordance with DIN EN ISO 11609

**FLUORIDE-CONTAINING TOOTH CLEANING AND POLISHING PASTE IN THREE CLEANING GRADES**

**Gentle yet effective**
- Traffic light coding: simple to use without confusion
- Can be individually adjusted to each situation
- Contains fluoride (700 ppm) and xylitol
- Green polishing paste: Suitable for the care of implants
- Polish even after the use of powder jet devices

**Patient case**

Source: Dr. Sanzio Marques, Passos, Brazil
**PROPHYLAXIS**

**Remin® Pro**

**PROTECTIVE DENTAL CARE WITH FLUORIDE AND HYDROXY APATITE**

Remin Pro combines three components for effective protection against demineralisation and erosion: hydroxy apatite, fluoride and xylitol. Remin Pro thus represents an optimal addition to the services offered by your surgery! And the patient can also continue this optimal care at home with the help of Remin Pro. It is very easy to apply, whether with a toothbrush following the oral hygiene routine in the evening, with a finger or using the individual tray.

With Remin Pro, the tooth is strengthened and the remineralisation as well as desensitisation of the tooth substance are promoted. The cream, which is available in the flavours melon, mint and strawberry, is mostly water-based. Remin Pro thus not only has a pleasant flavour, but it is also gentle on the mouth. Remin Pro – Recuperation for the teeth.

**Indications**

- After whitening
- After professional cleaning
- Prevention and control of hypersensitivities
- During orthodontic treatments

**Advantages**

- Restores the mineral balance
- Neutralises the acids from plaque
- Fluoride for strengthening the tooth enamel
- Regenerates the tooth after whitening
- Regenerates the tooth after professional cleaning or restoration therapy
- Contains 1.450 ppm fluoride

**Klint**

**FLUORIDE-FREE PASTE FOR PLAQUE REMOVAL AND POLISHING OF TEETH SURFACES**

Klint removes plaque and impurities from the teeth thoroughly and carefully without causing damage to the enamel. Stained fillings will regain their original shade. Klint has a pleasant peppermint taste.

**Indications**

- For manual or mechanical plaque removal
- Tooth cleaning before caries prophylaxis, treatment of hypersensitive cervical areas and composite restorations

**Advantages**

- Cleaning particles made of special silicic acid
- Thorough cleaning without damage to enamel
- Pleasant peppermint flavour

**VOCO Profllourid® Varnish**

**FLUORIDE-CONTAINING DENTAL DESENSITISING VARNISH**

Hypersensitivity

Sensitive teeth are a problem for a large number of people. Usually, the condition causes only transient pain which patients do not always report to their dentists. Hypersensitivity is mainly caused by exposed dentinal tubules. Therefore, the aim of treatment is to seal these tubules for the long-term.

**Components and effect of VOCO Profllourid® Varnish**

VOCO Profllourid Varnish is a colophony-based varnish containing 5 % sodium fluoride (22,600 ppm fluoride). The fluoride ion, together with the calcium ions accumulated in the tubules, causes a precipitation of calcium fluoride, which effectively seals the tubules. According to a user survey, over 85 % of patients were completely free of pain after only one treatment with VOCO Profllourid Varnish. As well as rapidly sealing the dentinal tubules, VOCO Profllourid Varnish also causes calcium fluoride deposits to form on the tooth surface. These deposits protect the tooth from acid attacks, promote remineralisation and contribute to the long-term formation of fluoroapatite. Xylitol, which has a proven cariostatic effect in addition to its taste-enhancing properties, is also added to the varnish.

**Indications**

- Treatment of hypersensitive teeth
- Sealing the dentinal tubules, e.g. for cavity preparations or on sensitive root surfaces

**Advantages**

- Easy to apply on wet surfaces
- Aesthetic, white-transparent tooth colour
- Fast desensitisation and fluoride release (5 % NaF ∆ 22,600 ppm fluoride)
- Available in four pleasant flavours: melon, mint, cherry and caramel

**Advantages of the SingleDose**

- Product and applicator in hygienic disposable packing
- No additional devices required
- No spilling in any position

**Presentation**

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<tr>
<th>REF</th>
<th>Tube size</th>
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<tr>
<td>2233</td>
<td>10 ml</td>
<td>mint</td>
</tr>
<tr>
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**Survey of testing dentists results**

![Survey Image]
Admira® Protect

Admira Protect is an innovative, light-curing Ormocer®-based protective varnish. Ormocer® stands for “Organically Modified Ceramics”. One of the greatest advantages of Ormocer® based materials is their outstanding biocompatibility.

Most hypersensitivities, particularly in the cervical dentine region, can be permanently reduced with just one treatment using Admira Protect. The use of Admira Protect is recommended on exposed crown margins, after tooth cleaning and following the removal of tartar.

The colourless varnish seals the dentinal tubules both permanently and reliably. The transmission of pain as a result of movement of the dentinal fluid is thus significantly reduced. In contrast to fluoride varnishes, with Admira Protect, tooth necks are permanently sealed with light-curing material thanks to the formation of a protective layer.

**Indications**
- Treatment of hypersensitive dentine
- Treatment of cervical areas and crown margins
- Treatment of hypersensitive dentine after professional cleaning and calculus removal

**Advantages**
- Biocompatible as Ormocer® based
- Permanent elimination of hypersensitivity
- Reliable adhesion
- Increased physical and chemical resistance
- High degree of abrasion resistance thanks to special filler technology
- Minimisation of cariogenic microorganisms
- Additional caries protection thanks to fluorides

**Effective sealing is intended to protect the fissure from being colonised by cariogenic bacteria. However, the question still remains: What happens underneath a fissure sealant?** The use of a high-quality, transparent fissure sealant, such as our newly-developed Control Seal, can provide the answer.

The growth of an existing small site of incipient caries can be arrested by effective fissure sealing, i.e. by cutting off its supply of substrate. Further progression of the caries over time can be monitored through the sealant made using Control Seal, and the best moment for therapeutic intervention can be determined, in case the caries has progressed. This makes it possible, on the one hand, to work in a substance-conserving way, while on the other hand delaying invasive therapy for as long as possible or even avoiding it.

Control Seal combines the positive properties of transparent and opaque fissure sealants: Transparency and excellent physical properties in a single material. The transparency of Control Seal, and the best moment for therapeutic intervention can be determined, in case the caries has progressed. This makes it possible, on the one hand, to work in a substance-conserving way, while on the other hand delaying invasive therapy for as long as possible or even avoiding it.

Control Seal is a fluoride-containing, highly filled fissure sealant. Its filler content is 55 % w/w.

**Indications**
- Sealing / filling of pits and fissures
- Sealing / facing of damaged enamel surfaces
- Covering of predilection sites, e.g. within the scope of orthodontic treatments
- Sealing of composite or glass ionomer fillings (protective layer against moisture)
- Sealing of deciduous teeth
- Extended fissure sealing

**Advantages**
- Transparent
- Suitable for laser fluorescence-based diagnostic methods
- Excellent handling
- Highest filler content among the transparent fissure sealants (55 % w/w)
- Outstanding physical properties
  - High compressive strength
  - High flexural strength
  - Low level of abrasion

**Outstanding physical properties**
- Low level of abrasion
- High flexural strength
- High compressive strength

**Effective fissure sealing**

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**Outstanding physical properties**
- Low level of abrasion
- High flexural strength
- High compressive strength
Fissurit® - Fissurit® F - Fissurit® FX

THE TRIED AND TESTED FISSURE SEALANT SYSTEM

Fissurit®
Fissurit is a transparent fissure sealing material which is supplied in bottles. The transparency of the material facilitates easier monitoring of the base of the fissure and the sealed fissure.

Fissurit® F
Fissurit F is a white-coloured material for sealing fissures, available both as a liquid in bottles and in the VOCO NDT® syringe. NDT® stands for Non-Dripping Technology. The NDT® syringe delivers highly flowable materials such as Fissurit F without running or dripping, thereby considerably simplifying treatment of the patient’s fissures. Syringes that run, loss of material and “overfilled fissures” are problems of the past thanks to the non-dripping Fissurit F syringe. In addition, Fissurit F contains fluoride to inhibit the development of caries. The material is coloured white to enable you to maintain a close visual check of marginal integrity.

Fissurit® FX
Fissurit FX is a highly filled fissure sealant which provides a long-lasting seal even where extensive fissure sealing has been carried out. At 55 % w/w, Fissurit FX is the most highly filled fissure sealant in its class after Grandio Seal. Fissurit FX, too, contains fluoride to inhibit the development of caries and is coloured white to enable you to maintain a close visual check of the edges of the fissures.

Application of Fissurit®

Fissurit® - Fissurit® F - Fissurit® FX

THE RIGHT MATERIAL FOR EVERY FISSURE

Indications
Sealing of fissures and occlusal surfaces for caries prophylaxis
Sealing of extended fissures
Filling of small cavities

Advantages
• Filler content of 55 % w/w for outstanding abrasion proofness
• Quick and easy application from the non-dripping NDT® syringe
• Excellent flow properties and low viscosity
• High stability and good adhesion to enamel
• Continuous fluoride release
• White for easy visual control

Indications
Sealing of pits, fissures and occlusal surfaces for caries prophylaxis
Facing of damaged enamel surfaces
Sealing of composite and cement fillings (protection against moisture)
Restoration of small carious lesions
Repair of small defects in composite and amalgam fillings

Advantages
• Transparent
• High stability and good adhesion to enamel
• Clinically proven for years
• Permits checking for caries activity underneath the sealing layer
Non-invasive fissure sealing with Grandio® Seal

Grandio Seal is the very first nano fissure sealant to make no compromises whatsoever. It is an extremely flowable, light-curing fissure sealant material with a filler content in excess of 70 % w/w. This makes Grandio Seal the most abrasion-resistant fissure sealant. Its viscosity guarantees, amongst other things, that the material penetrates deep fissures without forming bubbles. This unique combination is made possible thanks to the use of nano-particles: outstanding flowability, minimal abrasion and, at the same time, physical values which are better than those for various hybrid composites for the posterior region.

Indications / Scope of application

Sealing / filling of fissures and pits in the following cases:

- Deciduous teeth and/or six-year molars after eruption
- Adult patients with a diagnosis of high caries risk
- Patients with a high caries risk due to possibly limited oral hygiene
- Patients with limited treatment compliance

Sealing of damaged enamel surfaces

Covering of caries predilection sites during orthodontic treatments

Non-invasive fissure sealing with Grandio® Seal

Advantages

- Use of nano-fillers for optimal flow behaviour
- With 70 % w/w highest filler content in its class
- Outstanding physical properties
  - low abrasion
  - extremely low shrinkage values
  - high transverse strength
- Optimal wetting
- Excellent handling
- Perfect marginal adaption

Presentation

REF 1060 Set syringe 5 x 2 g, Viscosid gel syringe 5 ml, application cannulae type 45
REF 1061 Syringe 2 x 2 g, application cannulae type 45

Perfect Bleach®

Perfect Bleach is a carbamide peroxide-based whitening material. Depending on individual preferences, you can offer treatment with carbamide peroxide gel with a concentration of either 10 % or 16 % (corresponds to 3.5 % or 6 % H₂O₂). This gentle yet effective whitening material can be used both in the practice and, following instruction and initial treatment from a dentist, at home.

The sodium fluoride and potassium contained in the 16 % Perfect Bleach ensure that hypersensitivity is prevented during and after the treatment.

Use of the set is extremely easy for practice staff and patients alike. It contains all the materials required for the whitening process and for the prior fabrication of the tray.

Indications

Gentle and permanent tooth whitening for vital and non-vital teeth e.g. in cases of staining due to medication, fluorosis, food, trauma, ageing etc.

Advantages

- Two concentrations of 10 % and 16 % carbamide peroxide
- Simple user-friendly application
- All materials included in a complete set
  - two deep-drawing films and Block Out Gel LC for the fabrication of individual trays
  - 6 x 2.4 ml Bleaching gel
  - storage case for the tray
  - shade guide for verifying treatment success
  - patient-friendly pictogram and instructions for use
- Pleasant menthol flavour

Concentration of the carbamide peroxide gel remains stable even if the cold chain is interrupted.

Presentation 10 %

REF 1658 Mini set 10 % – whitening gel syringe 4 x 2.4 ml with 10 % carbamide peroxide, storage box, cosmetic bag
REF 1660 Set 10 % – whitening gel syringe 6 x 2.4 ml with 10 % carbamide peroxide, Block Out Gel LC syringe 1.2 ml, material for 2 trays, storage box, cosmetic bag, shade guide
REF 1662 Whitening gel syringe 3 x 2.4 ml 10 % carbamide peroxide

Presentation 16 %

REF 1659 Mini set 16 % – whitening gel syringe 4 x 2.4 ml with 16 % carbamide peroxide, storage box, cosmetic bag
REF 1664 Set 16 % – whitening gel syringe 6 x 2.4 ml with 16 % carbamide peroxide, Block Out Gel LC syringe 1.2 ml, material for 2 trays, storage box, cosmetic bag, shade guide
REF 1665 Whitening gel syringe 3 x 2.4 ml 16 % carbamide peroxide
DISPOSABLE ARTICLES

Application cannulae

REF 2145
Application cannulae type 40 for Fissurit F / FX, 100 pcs.

REF 2147
Application cannulae type 45 for Grandio Seal, Control Seal, 100 pcs.

REF 2132
Application cannulae type 48 for Vococid, 50 pcs.

Application aids

REF 2249
Micro Tim fine application brushes, 100 pcs.

REF 2309
Disposable brushes for dental brush holder, 100 pcs.

REF 2338
Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs.

REF 2245
Easy Brush, application brushes, 50 pcs.