PAEDIATRIC DENTISTRY · ORTHODONTIC PROGRAMME
WELCOME TO THE DENTALISTS!

Dear dentists,
dear orthodontists,

Your product requirements are a genuine key priority to us as a research-based dental company. Tailored to your individual requirements, reliable, practical and of top quality – that, and no less, is what you can expect from our brand products.

These features are characteristic of our entire product portfolio, which comprises high-quality preparations for numerous areas of indication, also in the fields of paediatric dentistry and orthodontics:
From fluoride varnish to restoratives and bonding agents all the way to bracket adhesives. Browse the following pages to find information on our portfolio for paediatric dentistry and orthodontics. Acquaint yourselves with our products for
– Oral Care
– Direct restoration
– Indirect restoration
– Orthodontics as well as
– Devices - Various
which offer you top VOCO quality.

Do you have questions or require further information? Your personal VOCO dental consultant will be pleased to answer your telephone call. And, of course, our customer service is also always happy to assist you (by e-mail: service@voco.de or by Freecall 00 800 44 444 555).

Product information, instructions for use, scientific information, clinical cases and more are available for you on www.voco.dental.

News, information and other VOCO fans can be found on Facebook, Instagram and Youtube!

Your VOCO GmbH
PAEDIATRIC DENTISTRY

CleanJoy ........................................ 4
Remin Pro ........................................ 5
VOCO Profluorid Varnish ....................... 6
Bifluorid 10 ........................................ 7
Grandio Seal ........................................ 8
Prophylaxis Set .................................... 9
Calcimol LC ......................................... 10
Calcicur .............................................. 10
Futurabond U ...................................... 11
CalcioSO ............................................. 11
GrandioSO Light Flow ............................ 13
GrandioSO Heavy Flow .......................... 14
x-tra fil .............................................. 15
GrandTEC .......................................... 16

Voccid .............................................. 16
Twinky Star ........................................ 17
Twinky Star Flow ................................. 17
Ionolux ............................................. 18
IonosStar Plus .................................... 19
Caries Marker ...................................... 19
Grandio blocs - disc ................................ 20
Bifix QM ............................................ 21
Ceramic Bond ...................................... 21
V-Posil Mono Fast ................................. 22
Registrado X-tra .................................. 22

ORTHODONTICS

V-Print splint ...................................... 23
V-Print model ..................................... 23
V-Print model fast ................................. 23

Meron (application capsule) ..................... 24
Meron .................................................. 24
BrackFix .......................................... 25

DEVICES ∙ VARIOUS

VOCO Dynamic Dispenser ...................... 26
Celalux 3 ........................................... 26
GIC Mixer .......................................... 27
Clip / Clip F ........................................ 27
Traypurol tabs ..................................... 28
Traypurol ........................................... 28
Pele Tim ............................................ 29
Caps Dispenser .................................... 30
Dispenser type 2 .................................. 30
AC Applicator type 1 ............................. 30
Disposable articles ................................ 30

ICONS

Material composition
This product is based on nano-hybrid technology.

Application of the material
This material is available in the non-running, non-dripping NDT®-syringe.

Indications
According to indications, this product is suitable for fillings of the classes of cavity listed. For detailed information, please consult the instructions for use.

Radiopacity
After completion of the working process, this material is highly radiopaque. The value shown indicates the radiopacity in percent relating to the aluminium equivalent.

Fluoride content
This product contains the level of fluorides indicated. For detailed information, please consult the instructions for use.

Indication of working time
The maximum extraoral working time for this product is as shown.

Indication of retention time in the mouth
This product is retained in the mouth for the minimum duration shown.

Voccid .............................................. 16
Twinky Star ........................................ 17
Twinky Star Flow ................................. 17
Ionolux ............................................. 18
IonosStar Plus .................................... 19
Caries Marker ...................................... 19
Grandio blocs - disc ................................ 20
Bifix QM ............................................ 21
Ceramic Bond ...................................... 21
V-Posil Mono Fast ................................. 22
Registrado X-tra .................................. 22

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Grandio blocs - disc ................................ 20
Bifix QM ............................................ 21
Ceramic Bond ...................................... 21
V-Posil Mono Fast ................................. 22
Registrado X-tra .................................. 22

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CleanJoy®
Fluoride-containing tooth cleaning and polishing paste in three cleaning grades

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 or 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)
- No parabens
- Available in three abrasion grades, thus can be individually adjusted to each situation
- RDA values (measured in accordance with DIN EN ISO 11609)
  - coarse (red) RDA = 195
  - medium (yellow) RDA = 127
  - fine (green) RDA = 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
- Three pleasant flavours: cherry, mint, caramel

Advantages of the SingleDose
- Easy, quick and hygienic
- No additional devices required
- No spilling in any position

Application

<table>
<thead>
<tr>
<th>Flavour</th>
<th>Tube 100 g</th>
<th>SingleDose 200 x 2 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mint</td>
<td>REF 2092</td>
<td>REF 2098</td>
</tr>
<tr>
<td>Caramel</td>
<td>REF 6092</td>
<td>REF 6096</td>
</tr>
<tr>
<td>Cherry</td>
<td>REF 6100</td>
<td>REF 6104</td>
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<table>
<thead>
<tr>
<th>Flavour</th>
<th>Tube 100 g</th>
<th>SingleDose 200 x 2 g</th>
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</thead>
<tbody>
<tr>
<td>Mint</td>
<td>REF 2091</td>
<td>REF 2097</td>
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<td>Caramel</td>
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<td>REF 6095</td>
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<tr>
<td>Cherry</td>
<td>REF 6099</td>
<td>REF 6103</td>
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<table>
<thead>
<tr>
<th>Flavour</th>
<th>Tube 4 x 100 g</th>
<th>SingleDose 200 x 2 g</th>
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</thead>
<tbody>
<tr>
<td>Mint</td>
<td>REF 2089</td>
<td></td>
</tr>
</tbody>
</table>
Remin Pro®
Protective dental care with fluoride and hydroxy apatite

Indications
After tooth whitening
After professional tooth cleaning
For the prevention and control of hypersensitivities
During orthodontic treatment

Advantages
• Contains fluoride (1,450 ppm), hydroxy apatite and xylitol
• Provides a balanced oral flora and thus protects the teeth against harmful acid attacks
• Strengthens the teeth after whitening and professional cleaning
• Cariostatic properties from the contained xylitol
• Available in three aromatic flavours (melon, mint and strawberry)
• Can be used daily and especially well-suited for use at home
• Optimal in case of MIH

How it works

Hydroxy apatite – fills superficial enamel lesions

Xylitol – bacteriostatic effect of xylitol

Fluoride – open dentinal tubules are sealed

Not available in Canada
VOCO Profluorid® Varnish
Fluoride-containing dental desensitising varnish (5 % NaF)

Indications
Treatment of hypersensitive teeth
Treatment of sensitive root surfaces

Advantages
• Moisture tolerant
• Esthetic, tooth-shaded varnish
• Fast desensitisation and fluoride release (5 % NaF ≙ 22,600 ppm fluoride)
• In six pleasant flavours available: melon, mint, cherry, caramel, bubble gum and cola lime
• Economical application in thin layers, high yield
• Ideal for treating cervical areas after professional cleaning and calculus removal
• Optimal in case of MIH

Advantages of the SingleDose
• Easy, quick and hygienic
• No additional devices required
• No spilling in any position

Advantages of the cartridge
• Multiple use with disposable cannulae
• Perfectly precise application
• Extremely easy application in proximal areas
• Complete fluoride application in only a single step
• Ideal for effective group fluoridation

Application

<table>
<thead>
<tr>
<th>Tube</th>
<th>Flavour</th>
<th>10 ml</th>
<th>50 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Melon</td>
<td>REF 1267</td>
<td>REF 1272</td>
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<tr>
<td></td>
<td>Caramel</td>
<td>REF 2232</td>
<td>–</td>
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<td>REF 2233</td>
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<td></td>
<td>Mint</td>
<td>REF 2234</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Cola Lime</td>
<td>REF 2236</td>
<td>–</td>
</tr>
<tr>
<td></td>
<td>Flavour 4 x 10 ml</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mixed</td>
<td>REF 2971</td>
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<table>
<thead>
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<th>SingleDose</th>
<th>Flavour 50 x 0.40 ml</th>
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<tr>
<td>Melon</td>
<td>REF 1269</td>
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<tr>
<td>Caramel</td>
<td>REF 2226</td>
<td>REF 2229</td>
</tr>
<tr>
<td>Cherry</td>
<td>REF 2227</td>
<td>REF 2230</td>
</tr>
<tr>
<td>Mint</td>
<td>REF 2228</td>
<td>REF 2231</td>
</tr>
<tr>
<td>Bubble gum</td>
<td>REF 2238</td>
<td>REF 2239</td>
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<tr>
<td>Cola lime</td>
<td>REF 2240</td>
<td>REF 2241</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Cartridge</th>
<th>Flavour 5 x 1.70 ml</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Melon</td>
<td>REF 2235</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Application cannulae type 43, 100 pcs.</td>
<td></td>
</tr>
</tbody>
</table>

REF 1272 and 2235 are not available in Canada
Bifluorid 10®
Fluoride varnish for the treatment of dental hypersensitivity

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
• Contains 5 % sodium fluoride (equal to 22,600 ppm fluoride) and 5 % calcium fluoride
• Bleaching compatible, reduction of sensitivity, without hindering the bleaching treatment

Application
Grandio® Seal
Light-curing nano-hybrid fissure sealant

Indications
Sealing / filling of pits and fissures
Sealing / facing of damaged enamel surfaces
Covering of caries predilection sites during orthodontic treatments
Sealing of deciduous teeth

Advantages
• Use of nano-fillers for optimal flow behaviour
• With 70 % w/w highest filler content in its class
• Outstanding physical properties
  – low abrasion
  – high transverse strength
  – extremely low shrinkage values
• Excellent handling
• Optimal wetting
• Perfect marginal adaptation
• Ideal for sealing composite or glass ionomer fillings (protective layer against humidity)

Grandio® Seal in the NDT®-syringe
• NDT® means non-dripping-technology
• Especially suited for fine-flowing materials
• Can be dosed and applied with precision
• Without any loss of material

Clinical Case

Source: Dr. Marcelo Balsamo, São Paulo / Brazil
Fissurit® F
Light-curing fissure sealant with fluoride, white

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

Advantages
- Quick and direct application from the non-dripping NDT®-syringe
- White for application control
- Excellent flow properties and low viscosity
- High stability and good adhesion to enamel
- Perfect marginal adaptation
- Continuous fluoride release

Prophylaxis Set
All-in-one – Professional prophylaxis products from VOCO in only one single set

Indications
More information on the indications can be found on the product pages of CleanJoy, Remin Pro, VOCO Proflourid Varnish and Grandio Seal

Advantages
- Fluoridate, Protect, Care, Seal
- Also for individual prophylaxis
- Different flavours for testing
- For your daily and special practice

REF 1180 Bottle 2 × 3 ml
REF 1292 Syringe 2 × 2 g, accessories
REF 1293 Set syringe 5 × 2 g, Vococid gel syringe 5 ml, Vococid bottle 2 × 3 ml, accessories
REF 2145 Application cannulae type 40, 100 pcs.

REF 2996 Set CleanJoy tube 2 × 100 g, Remin Pro tube 40 g, Proflourid Varnish SingleDose 12 × 0.4 ml, Grandio Seal syringe 2 × 2 g

Product presentations may vary
Not available in Canada
**Calcimol LC**
**Light-curing radiopaque calcium hydroxide paste**

**Indications**
- Indirect pulp capping
- Lining under all filling materials

**Advantages**
- Effective protection of the pulp
- Ready-to-use one-component material
- Time-saving light-curing and direct application from the non-dripping NDT®-syringe
- High level of acid-resistance, protection when applying the total-etch technique
- Supports the formation of tertiary dentine

**Calcicur®**
**Ready-to-use calcium hydroxide paste**

**Indications**
- Indirect capping for the treatment of caries profunda
- Direct capping when the pulp is opened or a pulpotomy is performed
- Lining of cavities to prevent exposure to acid media when using cements
- For temporary filling of root canals

**Advantages**
- Suitable for use under any lining or restorative material
- Immediately ready for use
- Antimicrobial effect due to high pH value (12.5)
- Calcium hydroxide content of 45%
- Radiopacity
- Promotes the formation of tertiary dentine
- Effective pulp protection
**Futurabond® U**

Dual-curing universal adhesive

### Indications

- Direct and indirect restorations using any light-curing, self-curing or dual-curing methacrylate-based restorative, core build-up or luting composite
- Intraoral repair of fillings, ceramic veneers and all-ceramic restorations without additional primer
- Treatment of hypersensitive tooth necks
- Protective varnish for glass ionomer cement restorations
- Sealing of cavities prior to amalgam restorations or prior to temporary luting
- Luting of root posts with dual-curing or self-curing luting composites

### Advantages

- One bond for all cases! Makes all other adhesives in the practice redundant!
- Self-etch, selective-etch or total-etch – free choice for the practitioner
- Outstanding versatility of application
  - for direct or indirect restorations
  - fully compatible with all light-curing, dual-curing or self-curing methacrylate-based composites without additional activator for dual-curing
  - secure adhesion to various materials such as metal, zirconium dioxide or aluminium oxide, as well as silicate ceramics without additional primer
  - treatment of hypersensitive tooth necks
  - protective varnish for glass ionomer cement restorations etc.
- Applied in one layer – only 35 seconds total working time
- Outstanding adhesion compared to other universal, self or total-etch adhesives
- Moisture tolerant
- Refrigeration not necessary

**Futurabond® U in practical SingleDose**

- Easy, quick and hygienic
- No additional devices required
- No spilling in any position

*It’s just that easy – simply press, simply bond!*
Grandio®SO
Universal nano-hybrid restorative material

Indications
Fillings of class I to V cavities
Reconstruction of traumatically damaged anteriors
Facetting of discoloured anteriors
Correction of shape and shade for improved aesthetic appearance
Locking, splinting of loosened teeth
Repairing veneers
Restoration of deciduous teeth
Core build-up under crowns
Composite inlays

Advantages
• Toothlike restorative for reliable restorations
• Very high filler content of 89 % w/w
• All-purpose for the highest demands in both the anterior and posterior tooth regions
• Excellent light resistance
• Optimal coordination of opacity and translucency for results that mirror the natural tooth using only one shade
• Smooth consistency, non-sticky, best sculptability
• Easily polishes to a high gloss – lasting, smooth surface
• Compatible with all conventional bonds

Clinical Case
Insufficient composite fillings of teeth 11 and 21
Application of increments using GrandioSO A3.5
Completed restoration

Source: Dr. Sanzio Marques, Passos / Brazil
Grandio®SO Light Flow
Flowable nano-hybrid restorative material – low viscous

Indications
- Filling / characterisation of small cavities
- Filling / characterisation of class III, IV and V cavities
- Extended fissure sealing
- Blocking out undercuts
- Lining or coating cavities
- Repairing fillings, veneers and temporary restorations
- Luting translucent prosthetic pieces

Advantages
- Low viscosity – outstanding flow properties and therefore optimally suitable for hard-to-reach areas and small cavities
- Extra-fine cannula – for precise and pinpoint application, dosage without excess residues
- High performance – excellent physical properties, e.g. filler content of 76 % by weight
- High aesthetics – 8 shades for individualised applications
- Excellent handling – NDT-syringe – non-drip, compatible with all light-curing bonding materials

Clinical Case

Carious lesion in the foramen caecum of tooth 36 and occlusal surface of tooth 37
Prepared and conditioned cavities
Filling of vestibular and occlusal cavities with GrandioSO Light Flow

Final result: Thanks to the extra-fine cannula and low viscosity, only polishing is required. More extensive finishing is not necessary.

Source: Dr. Walter Denner, Fulda / Germany
Grandio®SO Heavy Flow
Flowable universal nano-hybrid restorative material – highly viscous

Indications
Fillings of class I to V cavities
Minimally invasive filling therapy
Extended fissure sealing
Blocking out undercuts
Lining or coating cavities
Repairing fillings and veneers
Luting translucent prosthetic pieces (e.g., full ceramic crowns, etc.)
Interlocking and splinting teeth (e.g., with glass fibre strands)
Use as a base material in combination with glass fibres or similar products for fabricating semi-permanent crowns and bridges

Advantages
• Increased stability in comparison to conventional flowables, i.e. no undesirable runoff
• Universal application – for indication-appropriate treatment of all cavity classes
• Physical properties superior to those of various other packable materials, e.g. hardness, stability, abrasion resistance
• Very high filler content of 83 % w/w
• Precise application with complete wetting of the cavity walls
• Precise dosing without excess for time-saving work
• Undercuts, approximal boxes and paragingival areas can be easily filled
• Ideal for use in combination with GrandTEC
• 13 shades for aesthetic restorations – perfectly coordinated with GrandioSO
• High shade stability
• Very good polishability and durable brilliance
• Available in the non-dripping NDT®-syringe and in Flow-Caps with flexible metal cannulae

Clinical Case

Insufficient approximal filling on teeth 11 and 21 (before / after removal)
Filling placement
Final result

Source: Dr. Marcelo Balsamo, Brazil
x-tra fil®
Light-curing posterior filling material

Indications
Class I and II posterior fillings
Core build-up

Advantages
- Curing depth 4 mm
- Curing time only 10 s
- Universal shade
- Long-lasting and economic
- Easy handling
- Excellent physical properties
- Futurabond® U
  – for fast and affordable basic treatment due to reduced working time in combination with Futurabond U

Clinical Case
Tooth 26 with an amalgam restoration in need of replacement
The glistening surface indicates excellent wetting with the bond before polymerisation
Modeling the marginal ridge against the matrix
Filling the cavity in 4 mm increments
Filling the palatal cavity
Finished treatment with x-tra fil

Source: Prof. Jürgen Manhart, Munich / Germany
GrandTEC®
Resin-impregnated light-curing glass fibre strands for dental adhesive technique

**Indications**
- Stabilisation of teeth
  - after orthodontic therapy
  - after periodontal therapy
- For support in trauma therapy
  - locking and splinting avulsed or loosened teeth
  - fragment fixation after fracture
- For reinforcing / fabricating provisional bridges made from composite and temporary C&B-materials
- For temporary treatment after extraction and replacing a missing tooth using an artificial tooth
- For temporary or semi-permanent treatment of a tooth space using an extracted, natural tooth
- For temporary treatment after placing an implant during the osseointegration of the implant

**Advantages**
- Additional product for reinforcing composite / flow composite in traumatology, periodontics, orthodontics, conservative dentistry and prosthodontics

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Vococid®
Etchant for acid-etch technique

**Indications**
- Etching liquid / gel for use in the enamel etching or in the total-etch technique

**Advantages**
- Available as a fluid (36.1 % phosphoric acid) or gel (35 % phosphoric acid)
- Blue colouring for visual monitoring during application
- Stable, non-dripping gel
- 60 ml syringe for keeping material in stock
Twinky Star® · Twinky Star® Flow
Coloured light-curing compomer restorative material with glitter effect

Indications
Fillings in deciduous teeth

Advantages
- Eight attractive colours with glitter effect
- Easy and quick application from Caps
- Outstanding polishability
- Based on the proven VOCO compomer technology
- Shade guide with original material
- Parents can more easily motivate children to see the dentist
- Children overcome their anxiety
- Target group marketing tools available

Comonomer restoration – also an alternative for paediatric dentistry

Source: VOCO GmbH, Cuxhaven / Germany
**Ionolux®**

**Light-curing glass ionomer restorative material**

### Indications
- Class III and V restorations, primarily cervical fillings and root caries
- Restoration of deciduous teeth
- Small class I fillings
- Temporary fillings
- Core build-up
- Linings

### Advantages
- Excellent working time – setting time individually adjustable by light-curing
- No need for conditioning of dental hard tissue
- Also suitable for big cavities
- Immediately packable after placement in the cavity
- Does not stick to the instrument, easy to model
- Fill, polymerise and finish – no varnish required
- Fluoride release
- Biocompatible
- Radiopaque
- A suitable alternative to the CBF technique (composite bonded to flow) in deep cavities

### Clinical Case

Teeth 16, 15 after excavation

Subsequent treatment with Ionolux

Source: Prof. Hervé Tassery, PU-PH, Marseille / France
**IonoStar® Plus**

*Fast-setting glass ionomer restorative material*

**Indications**
- Restorations of non occlusion-bearing class I cavities
- Semi-permanent restorations of class I and II cavities
- Restorations of cervical lesions, class V cavities, root caries
- Restorations of class III cavities
- Restoration of deciduous teeth
- Base / liner
- Core build-up
- Temporary restorations
- Extended fissure sealing

**Advantages**
- Perfect marginal adaptation and packability in one product, thanks to a change in viscosity during application
- Fast setting time of only 2 minutes from placement of the filling
- The first glass ionomer material with tooth-like fluorescence
- High level of fluoride release
- The new capsule design reaches smaller cavities and difficult-to access areas of the mouth
- High compressive strength and abrasion resistance

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**Caries Marker**

*Coloured solution for disclosing caries infections*

**Indications**
- Dyeing of carious dentine to simplify cavity preparation and for demonstration purposes

**Advantages**
- Precise distinction between carious and healthy dentine
- Supports minimally invasive restoration techniques
- Suited for training and teaching purposes on extracted teeth

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**Ref 2540** Set application capsule 50 pcs. (10 × A2, 30 × A3, 10 × A3.5)
**Ref 2548** Application capsule 20 pcs. A1
**Ref 2543** Application capsule 20 pcs. A2
**Ref 2544** Application capsule 20 pcs. A3
**Ref 2545** Application capsule 20 pcs. A3.5
**Ref 2546** Application capsule 150 pcs. A2
**Ref 2547** Application capsule 150 pcs. A3
**Ref 2331** Applicator – AC type 1
**Ref 2169** VOCO Trifill instrument, 10 pcs.

**Ref 1005** Bottle 2 × 3 ml, accessories
**Ref 2252** Pele Tim, No. 1, 3.000 × ø 4 mm
*Not available in Canada*
**Grandio® blocs · Grandio® disc**

**Nano-ceramic hybrid CAD / CAM material**

### Indications
- Crowns, inlays, onlays, veneers
- Implant supported crowns

### Advantages
- Highest filler content (86 % w/w)
- Resembles natural teeth perfectly
- Excellent physical values for flexural strength and abrasion
- No firing required
- Can be processed using any conventional milling unit
- Can be polished and repaired optimally
- Ideal for milling even in cases with thin edges
- Based on the nano-hybrid technology

### Size disc

- 98 mm
- 94 mm
- 10 mm
- 15 mm

### Sizes blocs

**No. 14L**
- 14.8 mm
- 14.5 mm
- 18 mm

**No. 12**
- 10.5 mm
- 12.5 mm
- 16 mm

### Grandio® blocs

<table>
<thead>
<tr>
<th>REF 6000</th>
<th>Set blocks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x No. 12 (A2 LT, A3 HT), 3 x No. 14L (A3 LT, A3 HT, A3.5 LT), BiFix QM QuickMix syringe 10 g universal, Futurabond U SingleDose 5 pcs., Ceramic Bond bottle 5 ml, Dimanto set, accessories</td>
<td></td>
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</table>

### Low translucent (LT)

<table>
<thead>
<tr>
<th>Shade</th>
<th>Set blocks</th>
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<tbody>
<tr>
<td>A1 LT</td>
<td>REF 6003, REF 6018</td>
</tr>
<tr>
<td>A2 LT</td>
<td>REF 6004, REF 6019</td>
</tr>
<tr>
<td>A3 LT</td>
<td>REF 6005, REF 6020</td>
</tr>
<tr>
<td>A3.5 LT</td>
<td>REF 6006, REF 6021</td>
</tr>
<tr>
<td>B1 LT</td>
<td>REF 6007, REF 6022</td>
</tr>
<tr>
<td>C2 LT</td>
<td>REF 6008, REF 6023</td>
</tr>
<tr>
<td>BL LT</td>
<td>REF 6009, REF 6024</td>
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</table>

### High translucent (HT)

<table>
<thead>
<tr>
<th>Shade</th>
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<tbody>
<tr>
<td>A1 HT</td>
<td>REF 6012, REF 6027</td>
</tr>
<tr>
<td>A2 HT</td>
<td>REF 6013, REF 6028</td>
</tr>
<tr>
<td>A3 HT</td>
<td>REF 6014, REF 6029</td>
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<tr>
<td>A3.5 HT</td>
<td>REF 6015, REF 6030</td>
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### Shade

<table>
<thead>
<tr>
<th>Mixed*</th>
<th>Set blocks</th>
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<tbody>
<tr>
<td>REF 6033, REF 6034</td>
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</table>

*(1 each of A1 LT, B1 LT, C2 LT, BL LT, A1 HT)*

### Grandio® disc

<table>
<thead>
<tr>
<th>Low translucent (LT)</th>
<th>1 x 15 mm, ø 98 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 LT</td>
<td>REF 6050</td>
</tr>
<tr>
<td>A2 LT</td>
<td>REF 6051</td>
</tr>
<tr>
<td>A3 LT</td>
<td>REF 6052</td>
</tr>
<tr>
<td>A3.5 LT</td>
<td>REF 6053</td>
</tr>
<tr>
<td>B1 LT</td>
<td>REF 6054</td>
</tr>
<tr>
<td>C2 LT</td>
<td>REF 6055</td>
</tr>
<tr>
<td>BL LT</td>
<td>REF 6056</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>High translucent (HT)</th>
<th>1 x 15 mm, ø 98 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1 HT</td>
<td>REF 6057</td>
</tr>
<tr>
<td>A2 HT</td>
<td>REF 6058</td>
</tr>
<tr>
<td>A3 HT</td>
<td>REF 6059</td>
</tr>
<tr>
<td>A3.5 HT</td>
<td>REF 6060</td>
</tr>
</tbody>
</table>

The list of devices is continually extended and can be found at [www.voco.dental/devicesgrandio](http://www.voco.dental/devicesgrandio)
Bifix® QM
Dual-curing universal composite-based luting system

Indications
Adhesive luting of inlays, onlays, veneers, crowns, partial crowns, bridges, root posts and adhesive bridges (Maryland bridges)

Advantages
- For all materials (metal, composite inlays and ceramic, also zirconium dioxide)
- Bubble-free perfect mixing
- Direct application
- Excellent adhesion to dentine, enamel and to metals
- Special one-step Ceramic Bond for optimal adhesion to porcelain
- Radiopaque
- Available in three shades
- Available as an all-in-one set

Ceramic Bond
Coupling agent for porcelain (incl. zirconium dioxide) and composite

Indications
Ceramic Bond is used as a coupling agent to achieve an optimal bond strength between indirect restorations made of either silicate ceramics, aluminium oxide, zirconium dioxide or composite, as well as glass fibre-reinforced composite posts, on the one side and methacrylate-based luting composites on the other side.

Advantages
- Creates ideal conditions for a durable bond between indirect restoration and luting composite
- No mixing required

Advantages of the SingleDose
- Easy, quick and hygienic
- No additional devices required
- No spilling in any position
V-Posil Mono Fast
Precision impression material, VPS

**Indikationen**
V-Posil Mono Fast is to be used as a medium bodied tray or syringeable impression material for:
- taking impressions over fixed / removable restorations and implants (i.e., transferring impression posts and bridge components)
- functional impressions
- fabricating crown and bridgework or inlays
- fabricating full or partial dentures
- reline impressions
- transferring root posts when fabricating posts and cores indirectly
- multi tray technique
- use in the simultaneous mixing technique as well as the putty-wash technique

**Advantages**
- High precision – strongly hydrophilic addition-curing silicone for good wetting of oral structures
- Treatment comfort – long working time combined with a short intraoral setting time
- Perfect prosthetics – good hydrophilicity and high recovery after deformation of the set impression makes the pouring out and thus the restoration perfect

**Registrado® X-tra**
Addition-curing silicone for bite registration, extra hard, fast setting

**Indications**
- Occlusal bite registration
- Fixing of face bow registrations
- Location material for intraoral pin tracing templates

**Advantages**
- Optimised final hardness
- Allows application without time pressure
- Highly thixotropic qualities
- Good grinding properties
- Very precise impressions
- With economic mixing tips
**V-Print splint**

Light-curing resin for the generative production of dental therapeutic splints

**Indications**
- Therapeutic splints
- Auxiliary parts and functional parts for diagnostics
- Bleaching splints (home bleaching)

**Advantages**
- Medical device, class IIa
- Biocompatibility and neutral flavour ensure high level of patient acceptance
- 385 nm wavelength allows aesthetically pleasing clear-transparent print
- High flexural strength for durable objects
- High degree of precision and thus accurate fit for highly comfortable wear

* More 3D printing materials can be found at our website and in our main catalogue.

**V-Print model**

Light-curing resin for the generative production of dental models

**Indications**
- Dental working and presentation models

**Advantages**
- Workpieces can be ground precisely, without undesirable changes (e.g. as caused by heat influx)
- Non-scratch, very hard surface allows trial fitting without deformation
- Suitable for deep-drawing processes – no deformation caused by heat influx from deep-drawing temperature
- High degree of precision for optimally fitting restorations

**V-Print model fast**

Light-curing resin for the generative production of fast printable models, especially for the dental thermoforming technique (e.g. for aligner or retainer splints)

**Indications**
- Dental models

**Advantages**
- **Time-saving** – For fast printing in high layer thickness without loss of quality
- **Suitable for vacuum forming** – Temperature resistant as a basis for e. g. aligner or retainer splints
- **High strength and material saving** – The high strength allows material efficient hollowing of the models

* More 3D printing materials can be found at our website and in our main catalogue.
Meron (Application capsule)
Radiopaque glass ionomer luting cement

Indications
Luting of
– metal-based crowns, bridges, inlays and onlays
– high-strength all-ceramic crowns and bridges
– metal-based and high-strength all-ceramic crowns and bridges on implant abutments
– metal root posts or indirect metal post core build-ups
– prefabricated steel crowns
– orthodontic bands

Advantages
• Sizeable amount available per capsule
  – also suitable for large restorations
• Very good wetting behaviour
• Stable
• Low film thickness
• High level of translucency for aesthetic results
• Simple removal of excess material
• Continuous release of fluoride
• No known postoperative sensitivities

REF 1242 Application capsule 50 pcs.
REF 1243 Application capsule 150 pcs.
REF 2331 Applicator – AC type 1

Meron
Glass ionomer luting cement

Indications
Luting of crowns, bridges, inlays, onlays, pins, posts and orthodontic bands

Advantages
• Low solubility in the mouth
• Low acidity
• Biocompatible
• Easy application

REF 1086 Set powder / liquid
(35 g / 15 ml)
REF 1090 Set mini powder / liquid
(15 g / 7 ml)
BrackFix®
Light-curing bracket bonding system

Indications
Direct bonding of orthodontic metal and ceramic brackets

Advantages
- Optimal consistency of the adhesive: stable positioning of the bracket on the surface of the tooth
- Provides secure adhesion for metal and ceramic brackets
- Light-curing: long working time
- Can be exposed to loads immediately after polymerisation
- Fluorescent: allows for quick and gentle elimination of adhesive residues after bracket removal

Clinical case
Etching of enamel surface
Application of BrackFix Primer
Simple application of BrackFix Adhesive to bracket
Simple and secure positioning on the tooth
Tooth 11 (upper right central incisor) prior to polymerisation and removal of excess adhesive
Illumination with UVA light following removal of brackets
Controlled removal of BrackFix residues
Under UVA light (for demonstration purposes)
Final check with UVA light: No adhesive residues remain

Source: Dr. Felipe Moura / Brazil

REF 1205 Set adhesive syringe 2 × 4 g, Primer bottle 6 ml, accessories
REF 1206 Set SE adhesive syringe 2 × 4 g, Primer SE SingleDose 40 pcs., accessories
REF 1207 Adhesive syringe 2 × 4 g
REF 1208 Primer bottle 6 ml
REF 1209 Primer SE SingleDose 50 pcs., accessories
REF 2247 Single Tim, application brushes, 100 pcs.
REF 2315 Mixing palettes, 20 pcs.
**VOCO Dynamic Dispenser**

*Dynamic mixing device*

**Indications**
Device for the automatic dispensing and mixing of VOCO impression materials in the 5:1 cartridge

**Advantages**
- Homogeneous, dynamic mixing of product components to ensure a consistently high material quality
- Bubble-free dispensing
- Fill level display
- 2 feed speeds
- Electronic residue detection

**Celalux® 3**

*High-Power LED curing-light*

**Indications**
Curing of all light-curing dental materials whose polymerisation is activated within a wavelength range of 450 - 480 nm

**Advantages**
- Slim and ergonomic design (pen-shaped); weight of the handpiece, including device base and light guide, weighs only 70 g
- Indicates how much time has elapsed by vibrating at the start, and again after 10 s and 20 s, instead of the acoustic signals previously used
- Easy to handle, cordless
- Autoclavable 8 mm light guide
- The spare device base supplied ensures the device is always ready for use
- Battery is very easy to change

**Accessories**
- REF 9090 Celalux 3 (handpiece, battery charger, power cord with interchangeable mains adapters, 2 Device Bases, 8 mm light guide, rubber shield, operating instructions)
- REF 9091 Light guide 8 mm, autoclavable
- REF 9092 Device Base
- REF 9093 Rubber shield, 5 pcs.

Not available in Canada
GIC Mixer
Capsule mixing device

Indications
Device for mixing powder and liquid in application capsules

Advantages
- High oscillating frequency of 4,600 rpm, creating a particularly homogeneous mixture of powder and liquid
- Modern design
- Capsule holder allows simple insertion and removal of capsules
- User-friendly
- Quiet and practically vibration-free
- Mixing times can be freely selected between 1 and 99 seconds

Clip · Clip F
Light-curing filling material for temporary restorations

Indications
Temporary fillings
Temporary sealing of cavities, especially in inlay / onlay technique

Advantages
- Easy to place – easy to remove in one piece
- No damage to preparation boundaries
- Time-saving through light-curing
- Durable and saliva-proof
- Specifically useful in inlay / onlay technique
- Clip F – additionally with fluoride

Clip
REF 1284  Syringe 2 × 4 g
REF 1285  Syringe 3 × 4 g
REF 1287  Caps 25 × 0.25 g
REF 9301  Dispenser – Caps

Clip F (with fluoride)
REF 1289  Syringe 2 × 4 g
REF 1283  Syringe 3 × 4 g
Traypurol® tabs
Active-tabs for cleaning impression trays and instruments

Indications
Self-acting cleaning of impression trays and instruments

Advantages
- Removes alginites and cements within a short amount of time
- Especially easy to dose
- No vigorous stirring necessary – the tabs automatically dissolve when placed in water
- Gentle to material – suitable for all rustproof metals (including aluminium) and plastics
- Bio-degradable and pH-neutral
- Can be used in ultrasonic baths

Traypurol®
Concentrated cleaning agent for impression trays and instruments

Indications
Self-acting cleaning of impression trays and instruments

Advantages
- Simply diluted in water
- Removes residues of alginites, zinc oxide eugenol, glass ionomer, carboxylate and phosphate cements
- Cleans trays and instruments reliably overnight
- Can be used in ultrasonic devices
- Suited also for non-oxidising metals and plastics
- Biodegradable and gentle

REF 2355  50 pcs.
REF 2289  Bottle 1 l
REF 2290  Canister 5 l
REF 2304  Dispenser pump – canister 5 l
Not available in Canada
Pele Tim
Foam pellets for application of liquid or paste preparations without pressure

Indications
- Touching of infected alveoli
- Endodrain
- Vitality test
- Removal of material excess from cementation or sealing
- Simple application, e.g. of fluoride preparations

Advantages
- 5 practical sizes
- Painfree application without pressure
- Economical application
- Hygienic application without fluff

Notes

| REF 2250 | No. 0 | 3.000 × ø 3 mm |
| REF 2252 | No. 1 | 3.000 × ø 4 mm |
| REF 2253 | No. 2 | 1.000 × ø 5 mm |
| REF 2254 | No. 3 | 500 × ø 8 mm |
| REF 2255 | No. 4 | 500 × 6 × 8 mm |
**Caps Dispenser**
Direct application dispenser for dispensing restorative materials in Caps

**Dispenser type 2**
Dispenser to extrude dental materials from cartridges

**AC Applicator type 1**
Forceps-type applicator to directly apply the content of VOCO application capsules (AC) into the cavity for 1:1 or 1:2 cartridges (50 ml)

<table>
<thead>
<tr>
<th>REF</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>9301</td>
<td>Dispenser – Caps</td>
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<tr>
<td>2158</td>
<td>Dispenser – type 2</td>
</tr>
<tr>
<td>2331</td>
<td>Applicator – AC type 1</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>REF</th>
<th>Mixing tips type 11 for Bifix QM</th>
</tr>
</thead>
<tbody>
<tr>
<td>2191</td>
<td>Mixing tips type 16 (for intraoral tips type 2) for Registrado X-tra, V-Posil Mono Fast in cartridge, 50 pcs.</td>
</tr>
<tr>
<td>2203</td>
<td>Mixing tips type 30 for V-Posil Mono Fast in large cartridge, 50 pcs.</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>REF</th>
<th>Application aids</th>
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<tbody>
<tr>
<td>2169</td>
<td>VOCO Trifill instrument, 10 pcs.</td>
</tr>
<tr>
<td>2196</td>
<td>Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs.</td>
</tr>
<tr>
<td>2249</td>
<td>Micro Tim, fine application brushes, 100 pcs.</td>
</tr>
<tr>
<td>2247</td>
<td>Single Tim, application brushes, 100 pcs.</td>
</tr>
<tr>
<td>2309</td>
<td>Disposable brushes for dental brush holder, 100 pcs.</td>
</tr>
<tr>
<td>2338</td>
<td>Easy Brush, application brushes, 50 pcs.</td>
</tr>
</tbody>
</table>

**DEVICES ∙ VARIOUS**

**CAD / CAM material**

**Oral Care**

**Direct Restoration**

**Indirect Restoration**

**Materials**

**Mixing tips**

**Dispenser type 2**

**AC Applicator type 1**
### Application cannulae

| REF 2145 | Application cannulae type 40 for Fissurit F / FX, 100 pcs. | REF 2147 | Application cannulae type 45 for GrandioSO Light Flow, Grandio Seal, 100 pcs. |
| REF 2146 | Application cannulae type 41 for Admira Fusion Flow, Calcinol LC, Grandio / SO Flow, Ionoseal, LC Dam, 100 pcs. | REF 2148 | Application cannulae type 46 for GrandioSO Heavy Flow, 100 pcs. |
| REF 2310 | Application cannulae type 42 for Vococid, 30 pcs. | REF 2131 | Application cannulae type 47 for Calcicur, 30 pcs. |
| REF 2167 | Application cannulae type 43 for VOCO Profluorid Varnish cartridge, 100 pcs. | REF 2132 | Application cannulae type 48 for Vococid, 50 pcs. |
| REF 2144 | Application cannulae type 44 for GrandioSO Light Flow, Twinky Star Flow, 100 pcs. | | |

### Intraoral tips

| REF 2133 | Intraoral tips type 6 for V-Posil Mono Fast, 50 pcs. | REF 2140 | Intraoral tips type 2 for Registrado X-tra, 50 pcs. |
| REF 2139 | Intraoral tips type 1 for Bifix QM, 50 pcs. | REF 2142 | Intraoral tips type 4 for Bifix QM, 50 pcs. |

### Mixing spatulas · Mixing pads · Mixing palettes

| REF 2303 | Mixing pads 70 x 80 mm, with adhesive back, 4 pcs. | REF 2168 | VOCO mixing spatula for cements, 20 pcs. |
| REF 2315 | Mixing palettes, 20 pcs. | | |