ORTHODONTIC PROGRAMME
WELCOME TO THE DENTALISTS!

Dear Customer,

As a dentist/orthodontist, you make important decisions on a daily basis – which therapy has the best chances of success and what material is best suited? Your patients put their trust in your judgement. It goes without saying that you focus on top quality when selecting materials.

But how do you keep abreast of the vast choice of products, which seems to grow larger every day? What is the optimal way of using materials and combining them? Which have a varied range of applications? Which can be used for special demands?

In this catalogue we present our solutions for orthodontic dentistry. The practical icons allow you to see at a glance which properties each product offers.

Of course, we will also be delighted to advise you in person and in detail about every product. Simply ask your personal VOCO dental consultant or contact the VOCO customer service. They will be happy to help (Freecall: 00 800 44 444 555, e-mail: service@voco.de).

Product information, instructions for use, scientific information, clinical case reports and lots more are also available at www.voco.dental.

Your VOCO GmbH
**ORAL CARE**
- CleanJoy ........................................ 4
- Bifluorid 10 ..................................... 5
- Bifluorid 5 ........................................ 5
- Remin Pro ......................................... 6
- Remin Pro forte .................................. 6
- VOCO Profluorid Varnish ......................... 7
- GrandioSO .......................................... 12
- GrandioSO Flow ................................ 13
- GrandioSO Heavy Flow ......................... 14

**RESTORATIVES / BONDING**
- Twinky Star .................................. 10
- Twinky Star Flow ......................... 10
- Futurabond U ................................ 11
- GrandioSO .......................................... 12
- GrandioSO Flow ................................ 13
- GrandioSO Heavy Flow .................. 14
- GrandTEC .......................................... 15

**LUTING**
- Aqua Meron .................................. 16
- Meron Plus ...................................... 16
- Meron (Application capsule) .............. 17
- Meron ............................................ 17
- BrackFix ......................................... 18

**TEMPORARIES**
- Clip Flow ....................................... 19
- Clip ............................................... 19

**IMPRESSION**
- Registrado X-tra ............................... 20
- Registrado Clear ................................ 20
- Registrado Scan ................................ 20

**DIGITAL**
- SolFlex .......................................... 21
- V-Print ortho .................................... 22
- V-Print model .................................. 22

**VARIOUS PRODUCTS**
- Celulux 3 .......................................... 23
- VOCO Mix 10 .................................... 23
- Pele Tim .......................................... 24
- Traypurol tabs ................................. 24
- Traypurol ......................................... 24
- Vococid ........................................... 25
- Caps Dispenser ................................. 25
- Dispenser Typ 2 .................................. 25
- AC Applicator .................................. 25
- Disposable articles ......................... 26

**ICONS**

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

- Application of the material
  - This material is automatically mixed in the correct ratio before application.

- Curing of the material
  - This product either cures through exposure to light or it self-cures chemically. For detailed information, please consult the instructions for use.

- 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.

- Range of shades
  - This product is available in the number of shades indicated.

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

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

- SMP – Sensor Monitored Production
  - Optional available with sensor technology for optimised manufacturing speed and reliability and light intensity sensor @ 650 / 350.
CleanJoy®
Fluoride-containing tooth cleaning and polishing paste in three cleaning grades

Indications
- Removal of soft and hard surface plaque
- Removal of extrinsic discoloration (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
- The green polishing paste has a very low grade of abrasion and is therefore also suitable for the care of implants
- Can be used with any conventional instrument (small brush, cup etc.)
- Contains fluoride (700 ppm) and xylitol (inhibiting effect on the metabolism of bacteria)
- Pleasant light mint flavour

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

Application
**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

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**Bifluorid 5**

**Fluoride varnish for the treatment of dental hypersensitivity**

**Indications**
- For the treatment of hypersensitive necks of teeth and crown edges
- For fluoridation of dental enamel and desensitisation after grinding single or several teeth

**Advantages**
- Unique fluoride desensitizer with sodium and calcium fluoride
- Immediate and long-lasting desensitisation
- Biocompatible – no methacrylates or glutaraldehydes
- Transparent – no discoloration of teeth

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**Not available in Canada**
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

Remin Pro® forte
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
  - restoration of the mineral balance
  - neutralisation of plaque acids
- With high-quality ginger and curcuma extracts
  - antibacterial and anti-inflammatory effect
- All-round support of oral health
  - prevention and control of hypersensitivities
  - promotes healing and regeneration of inflamed mucosa
VOCO Profluorid® Varnish
Fluoride-containing dental desensitising varnish (5 % NaF)

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 tooth surfaces
- Esthetic, tooth-shaded varnish
- Fast desensitisation and fluoride release (5 % NaF ≙ 22,600 ppm fluoride)
- In five pleasant flavours available: melon, mint, cherry, caramel and bubble gum
- Economical application in thin layers, high yield
- Ideal for treating cervical areas after professional cleaning and calculus removal

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

Application

<table>
<thead>
<tr>
<th>Tube</th>
<th>Flavour</th>
<th>10 ml</th>
<th>50 ml</th>
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<tbody>
<tr>
<td>Melon</td>
<td>REF 1267</td>
<td>REF 1272</td>
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</tr>
<tr>
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<td>REF 2232</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Cherry</td>
<td>REF 2233</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Mint</td>
<td>REF 2234</td>
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<td></td>
</tr>
<tr>
<td>Mixed</td>
<td>REF 2971</td>
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<table>
<thead>
<tr>
<th>SingleDose</th>
<th>Flavour</th>
<th>50 × 0.40 ml</th>
<th>200 × 0.40 ml</th>
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</thead>
<tbody>
<tr>
<td>Melon</td>
<td>REF 1269</td>
<td>REF 1271</td>
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<tr>
<td>Caramel</td>
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<tr>
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<table>
<thead>
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<th>Cartridge</th>
<th>Flavour</th>
<th>5 × 1.70 ml</th>
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<tbody>
<tr>
<td>Melon</td>
<td>REF 2235</td>
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</tr>
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</table>

REF 2167 Application cannulae type 43, 100 pcs.
REF 1272 and 2235 are not available in Canada
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® FX

Highly filled light-curing fissure sealant with fluoride, white

**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 direct-application syringe with bendable metal cannulae
- Optimal flow properties
- High stability and good adhesion to enamel
- Perfect marginal adaptation
- Continuous fluoride release
- White for easy visual control

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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

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Fissurit®

Light-curing fissure sealant, transparent

**Indications**
- See Fissurit F

**Advantages**
- Transparent
- High stability and good adhesion to enamel
- Clinically proven for years
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

<table>
<thead>
<tr>
<th>Shade</th>
<th>Caps 25 x 0.25 g</th>
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<tbody>
<tr>
<td>Gold</td>
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</tr>
<tr>
<td>Silver</td>
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<tr>
<td>Blue</td>
<td>REF 1683</td>
</tr>
<tr>
<td>Pink</td>
<td>REF 1684</td>
</tr>
<tr>
<td>Green</td>
<td>REF 1685</td>
</tr>
<tr>
<td>Orange</td>
<td>REF 1686</td>
</tr>
<tr>
<td>Lemon</td>
<td>REF 1687</td>
</tr>
<tr>
<td>Berry</td>
<td>REF 1688</td>
</tr>
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</table>

Twinky Star® Flow

<table>
<thead>
<tr>
<th>Shade</th>
<th>Syringe 2 g</th>
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</thead>
<tbody>
<tr>
<td>Blue</td>
<td>REF 1693</td>
</tr>
<tr>
<td>Pink</td>
<td>REF 1694</td>
</tr>
</tbody>
</table>

REF 1693 and 1694 are not available in Canada

Coloured Twinky Star fillings in deciduous teeth
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 Cases
Fillings in 14, 15 in need of replacement due to secondary caries
Insufficient composite fillings of teeth 11 and 21

Completed restoration
Application of increments using GrandioSO A3.5
Completed restoration

Source: Dr. Walter Denner, Fulda / Germany

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

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
- Medium viscous flow composite, i.e. outstanding flow behaviour with complete wetting of the cavity walls
- 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 over 80 % w/w
- Safe and precise application
- 13 shades for aesthetic restorations – perfectly coordinated with GrandioSO
- High shade stability
- Very good polishability and durable brilliance
- Extremely high radiopacity (500 %Al) of the shade WO for especially good contrast to the tooth substance and to other restoratives
- Available in the non-dripping NDT®-syringe and Flow-Caps with flexible metal cannulae
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

Typical V-shaped cervical defect on 13
Application of GrandioSO Heavy Flow after conditioning and bonding
Restoration immediately after polishing

Source: Dr. Walter Denner, Fulda / 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

**Clinical Case**

Source: Dr. Walter Denner, treatment of a space after extraction using the extracted tooth and GrandTEC, Fulda / Germany
Aqua Meron

Water-mixable glass ionomer luting cement

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

**Advantages**
- Good flowability
- Low solubility in the mouth
- Low acid stress
- Biocompatible

Meron Plus · Meron Plus AC

Resin reinforced glass ionomer luting cement

**Indications**
Luting of
- porcelain-fused-to-metal crowns, bridges on hard dental tissue and on cores rebuilt with amalgam, composites or glass ionomer materials
- metal inlays, onlays, crowns and bridges
- root posts
- all-ceramic crowns manufactured from silicate ceramic, zirconium dioxide-only or alumina-only ceramic cores
- orthodontic appliances

**Advantages**
- High adhesion values compared with conventional glass ionomer luting cements
- Precise marginal fit
- Thixotropic: Very good wetting behaviour without unwanted run-off
- Low film thickness
- Moisture and acid resistant
- Simple removal of excess material thanks to long elastic phase
- Self-adhesive: secure and quick bonding
- Also suitable for high-strength zirconium dioxide ceramics
- Continuous release of fluoride
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

In the new application capsule
• Activated quickly and simply, without activator
• Mix, open cannula and use immediately with an applicator
• Fits all conventional applicators

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

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

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
Under UVA light (for demonstration purposes)
Illumination with UVA light following removal of brackets
Controlled removal of BrackFix residues
Final check with UVA light; No adhesive residues remain

Source: Dr. Felipe Moura / Brazil

REF 1205 Set adhesive syringe 2 x 4 g, Primer bottle 6 ml, accessories
REF 1206 Set SE adhesive syringe 2 x 4 g, Primer SE SingleDose 40 pcs., accessories
REF 1207 Adhesive syringe 2 x 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.
**Clip Flow**

Flowable, light-curing filling material for temporary restorations

**Indications**
- Temporary inlay and onlay treatments of the cavity
- Sealing of openings for implant screws
- Relining material for temporary crowns and bridges
- Block out material for retentive areas in the dental arch, e.g. before taking impressions
- Covering of the gingival margin
- Fixing of resin matrix during filling placement
- Temporary filling of cavities and sealing of root canal orifices

**Advantages**
- Easy to place – easy to remove in one piece
- No damage to preparation boundaries
- Durable and saliva-proof
- Non-adhesive
- Time-saving through light-curing
- Elastic
- Flowable

**Clip**

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 and economical
- Tight margins and durable
- Specifically useful in inlay / onlay technique

**REF 1282** Syringe 2 × 1.8 g, accessories
**REF 2148** Application cannulae type 46, 100 pcs.

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

Registrado® Clear
Transparent addition-curing silicone for bite registration, fast setting

Indications
- Bite registration
- Registration key for intraoral bearing device registration
- Fixing of X-ray balls
- Front and occlusal record
- Silicone key for composite restorations

Advantages
- High final hardness combined with high transparency
- Convincing material consistency, ensures adherence to the row of teeth
- Work without time pressure thanks to temperature-controlled curing process (accelerated curing starts only when mouth closed)
- High dimensional and shape stability (> 99 %)
- Light-curing can be carried out perfectly through a layer of Registrado Clear

Registrado® Scan
Scannable addition-curing silicone for bite registration, hard, fast setting

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

Advantages
- Scanning without powder
- Precise reproduction of occlusion
- High Shore A hardness
- Short intraoral setting time
- Good cutting properties
- Analog or digital

Not available in Canada
SolFlex 650 · 350 · 170
Suitable for printing of dental objects

Advantages
- For processing a range of high-quality, light-cured composites
- Processing of most commonly used STL format
- High vat volume allows production over night
- DLP-Technology with a long-lasting UV-LED light source
- Maximized building speed with high process reliability due to SMP technology
- Patented Flex-Vat technology – increasing printing speed while minimizing support structures, saving time and material

SolFlex 170
- Base area: 296 × 318 mm
- Build area: 56 × 89 mm (1 exposure area)
- Max. build height: 120 mm
- Layer thickness: 25 - 200 μm
- Building capacity: up to 6 splints
- Building speed: up to 56 mm/h, depending on layer thickness material
- Pixel size: 70 μm*
- Precision: 35 μm

SolFlex 350
- Base area: 400 × 400 mm
- Build area: 64 × 120 mm (3 exposure areas)
- Max. build height: 130 mm
- Layer thickness: 25 - 200 μm
- Building capacity: up to 12 splints
- Building speed: up to 56 mm/h, depending on layer thickness material
- Pixel size: 50 μm*
- Precision: 25 μm

SolFlex 650
- Base area: 400 × 400 mm
- Build area: 128 × 120 mm (6 exposure areas)
- Max. build height: 130 mm
- Layer thickness: 25 - 200 μm
- Building capacity: up to 24 splints
- Building speed: up to 56 mm/h, depending on layer thickness material
- Pixel size: 50 μm*
- Precision: 25 μm

* Pixel Size and Print Volume may vary.
**V-Print ortho**  
*Material for 3D printing*

**Indications**  
Orthodontic base parts, splints and templates  
Medical device, class IIa

**Advantages**  
- Highly aesthetic due to the color Clear  
- High color stability and break resistance  
- Biocompatible  
- Flavor neutral

**V-Print model**  
*Material for 3D printing*

**Indications**  
3D print working and presentation models for the entire spectrum of models in dentistry

**Advantages**  
- Opaque color for good optical recognition of surface structure, preparation limits, etc.  
- Good flexural strength and surface hardness  
- Excellent precision
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**
- State-of-the-art LED technology with high light intensity (approx. 1,300 mW / cm²)
- Wavelength range 450 - 480 nm
- 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.

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**VOCO Mix 10**
Capsule mixer for VOCO mixing and application capsules as well as for amalgam and similar capsules

**Advantages**
- Sturdy design
- Low noise and low vibration
- Mixing times between 1 - 99 seconds
- Large display
- Mixing frequency: 4,300 oscillations / min. + / - 5 %

**Accessories**
- REF 9048 VOCO Mix 10 (220 - 240 V / 50 Hz)
- REF 9049 VOCO Mix 10 (110 V)
  - 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

<table>
<thead>
<tr>
<th>REF</th>
<th>No</th>
<th>Size</th>
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<tbody>
<tr>
<td>2250</td>
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<tr>
<td>2252</td>
<td>1</td>
<td>3.000 × ø 4 mm</td>
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<tr>
<td>2253</td>
<td>2</td>
<td>1.000 × ø 5 mm</td>
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<tr>
<td>2254</td>
<td>3</td>
<td>500 × ø 8 mm</td>
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<td>2255</td>
<td>4</td>
<td>500 × 6 × 8 mm</td>
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</table>

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

REF 2355 50 pcs.

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 plastic
- Biodegradable and gentle

REF 2289 Bottle 1 l
REF 2290 Canister 5 l
REF 2304 Dispenser pump – canister 5 l

*Not available in Canada*
**Vocodid®**

Etchant for acid-etch technique

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**Indications**

Vocodid is intended to etch only the part of the enamel or the dentine (in total-etch technique), which will subsequently be covered by a composite material

– for composite fillings
– for adhesive luting of Maryland bridges, inlays, brackets and temporary splinting
– for sealing as caries prophylaxis
– for linings to create a permanent bond (according to manufacturer’s instructions)

**Advantages**

- VOCO offers proven quality in suitable consistencies for application in every treatment situation
  - gel contains 35% phosphoric acid – whenever precision is essential for application: stable, non-drip, precisely accurate to apply with fine cannula
  - fluid contains 36.1% phosphoric acid and can also be used for treating deep fissures and larger surfaces
- Stockage
  - the 60 ml refill syringe containing the proven Vocodid etching gel offers a great price-performance ratio
  - the 2 ml syringes are easy and quick to fill and use
- Blue colouring
  - simplifies application and permits it to be checked visually
  - excess material can be identified and removed
- Achieves an optimal etching pattern

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**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

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<table>
<thead>
<tr>
<th>Code</th>
<th>Product</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>9301</td>
<td>Dispenser – Caps</td>
<td>For 1:1 or 1:2 cartridges (50 ml)</td>
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<tr>
<td>2158</td>
<td>Dispenser – type 2</td>
<td></td>
</tr>
<tr>
<td>2331</td>
<td>Applicator – AC type 1</td>
<td></td>
</tr>
</tbody>
</table>

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**Reference Numbers**

- REF 1063: Syringe 5 ml, accessories
- REF 1066: Bottle 2 x 3 ml
- REF 1224: Syringe 5 x 2 ml, accessories
- REF 1256: Empty syringe 10 x 2 ml
- REF 1257: Syringe 60 ml, empty syringe 2 x 2 ml, accessories
- REF 2310: Application cannulae type 42, 30 pcs.
- REF 2312: Application cannulae type 48, 50 pcs.
| REF 2169 | VOCO Trifill instrument, 10 pcs. | REF 2338 | Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs. |
| REF 2249 | Micro Tim, fine application brushes, 100 pcs. | REF 2247 | Single Tim, application brushes for Futurabond U, 100 pcs. |
| REF 2309 | Disposable brushes for dental brush holder, 100 pcs. | REF 2245 | Easy Brush, application brushes, 50 pcs. |
| REF 2145 | Application cannulae type 40 for Fissurit F / FX, 100 pcs. | REF 2144 | Application cannulae type 44 for Twinky Star Flow, 100 pcs. |
| REF 2146 | Application cannulae type 41 for GrandioSO Flow, 100 pcs. | REF 2147 | Application cannulae type 45 for Grandio Seal, 100 pcs. |
| REF 2310 | Application cannulae type 42 for Vococid, 30 pcs. | REF 2148 | Application cannulae type 46 for Clip Flow, GrandioSO Heavy Flow, 100 pcs. |
| REF 2167 | Application cannulae type 43 for VOCO Profluorid Varnish cartridge, 100 pcs. | REF 2132 | Application cannulae type 48 for Vococid, 50 pcs. |
### Intraoral tips

<table>
<thead>
<tr>
<th>REF 2140</th>
<th>Intraoral tips type 2 for Registrado Clear, Registrado Scan, Registrado X-tra, 50 pcs.</th>
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</thead>
</table>

### Mixing spatulas · Mixing pads · Mixing palettes

<table>
<thead>
<tr>
<th>REF 2303</th>
<th>Mixing pads 70 x 80 mm, with adhesive back, 4 pcs.</th>
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<tbody>
<tr>
<td>REF 2315</td>
<td>Mixing palettes, 20 pcs.</td>
</tr>
<tr>
<td>REF 2168</td>
<td>VOCO mixing spatula for cements, 20 pcs.</td>
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</tbody>
</table>

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*VARIOUS PRODUCTS*

- Oral Care
- Restoratives / Bonding
- Luting
- Temporary
- Impression
- Digital
- Various Products