WELCOME TO THE DENTALISTS!

Dear customers and business partners,

As a researching dental company our focus is first and foremost on you and your expectations in respect of our products. No matter if they are put to use in the dental surgery or in the laboratory – what counts are ease of working, reliability, individuality and, of course, top quality.

These features characterise our entire product portfolio, which includes high-quality materials for a large range of indications: from products for prophylaxis via a wide range of composites and bondings to luting materials or materials for the fabrication of temporaries and impression taking.

In addition, VOCO carries over their expertise in the light-curing resins area to the digital dentistry: whether with ultramodern 3D printers, the worldwide successful printing materials of the V-Print family or innovative composite blocs for CAD/CAM applications. VOCO develops products, which meet the highest demands of dentists and dental technicians. For the first time it is possible to fabricate complete prosthesis with our CediTEC and V-Print dentbase in just one set – from the base via the prosthetic teeth to the luting material (more about this from page 49).

Read on to find out more about our diverse portfolio for preventive, restorative, prosthetic and digital dentistry. Acquaint yourself with our products in the following areas

- Oral Care
- Direct restoration
- Indirect restoration and
- Devices · Various

and discover VOCO’s top quality standards.

If you have any questions or require further information, please feel free to contact your VOCO dental consultant. Of course, our Customer Service department will also be pleased to help (contact them by e-mail to service@voco.de or by Freecall on 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
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The following icons enable you to quickly find the right product and make a first assessment and judgement within seconds, which allows you to quickly gain a general overview.

**Material composition**
- Both the fillers and the resin matrix of this product are based purely on silicon oxide.
- This product is based on nano-hybrid technology.

**Application of the material**
- This material is available in the non-running, non-dripping NDT®-syringe.
- Preparatory conditioning of the tooth surface is not required before application of this material to the tooth. 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.

**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.

**Working directions**
- This material is suitable for so-called bulk fillings with a maximum layer thickness of 4 mm. For detailed information, please consult the instructions for use.

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

**Volume shrinkage**
- During setting, this product is subject to the volume shrinkage indicated in percent.

**Method of application**
- No separate etching of the tooth surface is required before the adhesive system (bond) is used. For detailed information, please consult the instructions for use.
- Separate etching of the tooth surface is necessary before the adhesive system (bond) is used. For detailed information, please consult the instructions for use.
- Preparatory conditioning of the tooth surface is not required before application of this material to the tooth. For detailed information, please consult the instructions for use.

**Filler content**
- This product has a defined filler content, which is indicated in percent by weight.

**Hardness of the material**
- This product possesses the shore A hardness shown.

**Material compatibility**
- This product can be used with the materials indicated. For detailed information, please consult the instructions for use.

**CAD / CAM**
- This product is suitable for use in digital dentistry. For detailed information, please consult the instructions for use.

**Non-sedimenting**
- This product is non-sedimenting. The product enables additive manufacturing of objects from homogeneous solution throughout the entire printing process.

**Material composition**
- Both the fillers and the resin matrix of this product are based purely on silicon oxide.

**Application of the material**
- This material is available in the non-running, non-dripping NDT®-syringe.
- Preparatory conditioning of the tooth surface is not required before application of this material to the tooth. 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.

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

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- 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.

**Working directions**
- This material is suitable for so-called bulk fillings with a maximum layer thickness of 4 mm. For detailed information, please consult the instructions for use.

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

**Volume shrinkage**
- During setting, this product is subject to the volume shrinkage indicated in percent.
Oral Care


Healthy teeth are a valuable asset, and to keep them healthy for a long time you and your patients work together with us towards a common goal. For this to succeed, VOCO products make an important contribution. With fluoride varnishes suitable for a great variety of indications. With fissure sealants offering high filler content even in conjunction with transparency. With immediately effective desensitisers. With cleaning pastes in various grades. No matter which product you choose, you will always make the right decision. For whitening, we further offer a complete series, which is as convincing in its use as it is in its result – both at the dental office and at home.
### Oral Care

#### Cleaning

<table>
<thead>
<tr>
<th>Product</th>
<th>Flavor</th>
<th>Presentation</th>
<th>Fluoride Content</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>7CleanJoy</td>
<td>700 ppm</td>
<td>Single Dose, Tube</td>
<td>Coarse (195), Medium (127), Fine (16)</td>
<td>Mint, Cherry, Caramel</td>
</tr>
</tbody>
</table>

#### Fissure sealing

<table>
<thead>
<tr>
<th>Product</th>
<th>% w/w</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grandio Seal</td>
<td>70 % w/w</td>
<td>Tube</td>
</tr>
<tr>
<td>Fissurit FX</td>
<td>55 % w/w</td>
<td>Tube</td>
</tr>
<tr>
<td>Fissurit Fn</td>
<td>65 % w/w</td>
<td>Single Dose</td>
</tr>
</tbody>
</table>

#### Whitening

<table>
<thead>
<tr>
<th>Product</th>
<th>% w/w</th>
<th>Application</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perfect Bleach 10% / 16%</td>
<td>10% / 16%</td>
<td>Tube</td>
</tr>
<tr>
<td>Perfect Bleach Office+</td>
<td>35%</td>
<td>Tube</td>
</tr>
</tbody>
</table>

#### Fluoridation · Desensitisation

<table>
<thead>
<tr>
<th>Product</th>
<th>% w/w</th>
<th>Presentation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bifluorid 10</td>
<td>22.600 ppm</td>
<td>Single Dose, Bottle</td>
</tr>
<tr>
<td>Remin Pro</td>
<td>1.450 ppm</td>
<td>Tube</td>
</tr>
<tr>
<td>VOCO Profluorid Varnish</td>
<td>22.600 ppm</td>
<td>Single Dose, Tube, Cartridge</td>
</tr>
<tr>
<td>Admira Protect</td>
<td>Single Dose, Bottle</td>
<td></td>
</tr>
</tbody>
</table>

#### Tissue sealing

<table>
<thead>
<tr>
<th>Product</th>
<th>% w/w</th>
<th>Strength</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remin Seal</td>
<td>55% w/w</td>
<td>Gel</td>
</tr>
<tr>
<td>Remin Seal</td>
<td>70% w/w</td>
<td>Gel</td>
</tr>
<tr>
<td>Remin Seal</td>
<td>% w/w</td>
<td>Gel</td>
</tr>
</tbody>
</table>

#### Devices · Various

- Special characteristics
- Commins fluoride
- Fluor values
- Chair care
CleanJoy®
Fluoride-containing tooth cleaning and polishing paste in three cleaning grades

NEW cherry and caramel

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)
• 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: mint, caramel, cherry

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

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® 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

---

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

---

**Professional cleaning**
- Fissure sealing
  - REF 1181 Syringe 2 × 2.5 g, accessories
  - REF 2145 Application cannulae type 40, 100 pcs.
  - **Not available in Canada**

**Desensitiser**
- REF 1180 Bottle 2 × 3 ml

**Whitening**
- REF 1292 Syringe 5 × 2 g, Vococid gel syringe 5 ml, Vococid bottle 2 × 3 ml, accessories
- REF 2145 Application cannulae type 40, 100 pcs.
**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**
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
- Available in three aromatic flavours (melon, mint and strawberry)
- Can be used daily and especially well-suited for use at home
- Optimal for cases of MIH

Prophylaxis Set

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

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

Advantages
- Fluoridate, Protect, Care, Seal
- Also for individual prophylaxis
- Different flavours for testing
- For your daily and special practice
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 \(\cong\) 22,600 ppm fluoride)
• In seven pleasant flavours available: melon, mint, cherry, caramel, bubble gum, cola lime and pina colada
• Ideal for treating cervical areas after professional cleaning and calculus removal
• Optimal for cases 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

Application

SingleDose

<table>
<thead>
<tr>
<th>Flavour</th>
<th>50 x 0.40 ml</th>
<th>200 x 0.40 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melon</td>
<td>REF 1269</td>
<td>REF 1271</td>
</tr>
<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>
</tr>
<tr>
<td>Cola Lime</td>
<td>REF 2240</td>
<td>REF 2241</td>
</tr>
<tr>
<td>Pina Colada</td>
<td>REF 2242</td>
<td>REF 2243</td>
</tr>
</tbody>
</table>

Flavour 48 x 0.40 ml 50 x 0.25 ml
<table>
<thead>
<tr>
<th>Flavour</th>
<th>48 x 0.40 ml</th>
<th>50 x 0.25 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melon</td>
<td>–</td>
<td>REF 1268</td>
</tr>
<tr>
<td>Mixed</td>
<td>REF 2225</td>
<td>–</td>
</tr>
</tbody>
</table>

Zylinderampulle

<table>
<thead>
<tr>
<th>Flavour</th>
<th>5 x 1.70 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melon</td>
<td>REF 2235</td>
</tr>
<tr>
<td>REF 2167</td>
<td>Application cannulae type 43, 100 pcs.</td>
</tr>
</tbody>
</table>

REF 1272 and 2235 are 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
- Economical application in thin layers, high yield
- Ideal for treating cervical areas after professional cleaning and calculus removal
- Optimal for cases of MIH

<table>
<thead>
<tr>
<th>Tube</th>
<th>Flavour</th>
<th>10 ml</th>
<th>50 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melon</td>
<td>REF 1267</td>
<td></td>
<td>REF 1272</td>
</tr>
<tr>
<td>Caramel</td>
<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>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Cola Lime</td>
<td>REF 2236</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Pina Colada</td>
<td>REF 2237</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Flavour</td>
<td>4 × 10 ml</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mixed</td>
<td>REF 2971</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Admira® Protect
Light-curing ORMOCER® based protective desensitiser

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

Advantages
- Biocompatible
- Permanent elimination of hypersensitivity
- Reliable adhesion
- Special filler technology for high abrasion resistance
- Fluoride release

Admira® Protect in practical SingleDose
- Easy, quick and hygienic
- No additional devices required
- No spilling in any position

REF 1650 Bottle 4.5 ml, accessories
REF 1651 SingleDose 50 pcs., accessories
REF 1652 SingleDose 200 pcs., accessories
REF 2247 Single Tim, application brushes, 100 pcs.
Perfect Bleach®
Whitening gel for discoloured teeth (10 % / 16 % carbamide peroxide)

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
• Simple user-friendly application
• Gentle on tooth substance and existing restorations
• Significant whitening effect already after a short time
• Pleasant menthol flavour
• Set in attractive cosmetic bag

Perfect Bleach® Office+
Whitening gel for discoloured teeth

Indications
Perfect Bleach Office+ is suited for whitening individual or multiple discoloured, vital or devitalised teeth. The whitening success depends on the natural tooth shade as well as the intensity and cause of the discolouration. It is possible to whiten discolourations of organic origin, which generally have the following causes:
– discolouration as a result of traumata
– discolouration caused by medication (e.g. tetracycline)
Discolourations of inorganic origin, such as components of amalgam (silver), are not whitened, nor are restorations

Advantages
• 35 % hydrogen peroxide concentration for safe and fast whitening of discolourations
• Good contrast to the tooth and LC Dam due to red coloured material
• Can be used for both internal and external whitening
• Perfect Bleach Office+ in the convenient QuickMix syringe
  – only the amount of gel needed is activated
  – no mixing errors and the gel is always fresh
• No painful heat-loading from light-curing the gingiva protection

Perfect Bleach® 10 %
REF 1658 Mini set syringe 4 × 2.4 ml with 10 % carbamide peroxide, storage box, cosmetic bag
REF 1662 Syringe 3 × 2.4 ml with 10 % carbamide peroxide

Perfect Bleach® 16 %
REF 1659 Mini set syringe 4 × 2.4 ml with 16 % carbamide peroxide, storage box, cosmetic bag
REF 1664 Set syringe 6 × 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, accessories
REF 1665 Syringe 3 × 2.4 ml with 16 % carbamide peroxide

Not available in Canada
Direct Restoration

Conservative dentistry requires your expertise as a dentist in conjunction with absolutely reliable, high-quality restorative materials. For direct restorations VOCO offers you restoratives of a number of material classes for a great variety of indications. But there is one thing all our restorative materials have in common: our composites, compomers, ORMOCER®s and glass ionomer materials, as well as liners, bonding materials and glass fibre strands guarantee that results are characterised by stability and durability. Moreover, patients are looking for individual solutions to make their smile radiant. Our products, while being easy to use and quick to apply, help your restorations become predictable and plannable as well as aesthetic.
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
• With high pH value (12.5) known for bacteriostatic effect
• Calcium hydroxide content of 45%
• Radiopacity
• Promotes the formation of tertiary dentine
• Effective pulp protection
Ionoseal®
Light-curing glass ionomer composite liner

Indications
Lining under all types of filling material
Extended fissure sealing
Restoration of smaller lesions

Advantages
• Ready-to-use one-component material
• Time-saving: light-curing in seconds
• Quick and hygienic application
• High compressive strength (226 MPa)
• Fluoride release against secondary caries
• High biocompatibility
• Radiopaque

Clinical Case
Prepared cavity  Direct application Ionoseal  Finished lining  Final restoration

Source: Dr. Marcelo Balsamo, São Paulo / Brazil
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*Only in combination with DC activator.*
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!
Futurabond® M+

Universal adhesive

Indications
Direct and indirect restorations using any light-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

In combination with Futurabond® M+ DCA (dual-cure activator)
Direct and indirect restorations using any self-curing or dual-curing methacrylate-based restorative, core build-up or luting composite

Luting of root posts with dual-curing or self-curing luting composites

Advantages
- Can be applied with or without phosphoric acid etching
- Excellently suitable for direct or indirect restorations
- Secure adhesion to various materials such as metals, zirconium dioxide or aluminium oxide, as well as silicate ceramics, without additional primer
- Applied in one layer – only 35 seconds total working time

Futurabond® M

One-component light-curing nano-reinforced self-etch bond

Indications
Direct restorations of all cavity classes with all light-curing restoratives

Advantages
- Excellent adhesion to dentine and enamel
- Easy and fast application – one-coat, one-cure technique
- Universal for all light-curing restoratives
- Ideal for paediatric use
**Futurabond® DC**
Dual-curing self-etch-bond reinforced with nano-fillers

**Indications**
Direct self- or dual-curing composite restorations and core build-ups
Direct light-curing restoration with composite-, compomer- and ORMOCER® based restoratives
Adhesive luting of root pins / posts with dual or self-curing composite cements
Indirect restoration when using dual- and self-curing resin cements for luting of inlays, onlays, crowns and bridges

**Advantages**
- Chemical-curing in areas inaccessible with a curing light
- Futurabond DC achieves the same adhesive properties as total-etch preparations without separate etching of the tooth substance
- Moisture tolerant
- Durable marginal integrity
- Easy and fast application – one-coat, one-cure technique
- Contains fluorides
- No refrigerated storage needed
- Ideal for paediatric use

---

**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
Futurabond® NR
Light-curing self-etch-bond reinforced with nano-fillers

**Indications**
Direct restorations of all cavity classes with all light-curing restoratives

**Advantages**
- Excellent adhesion to dentine and enamel
- Durable marginal integrity
- Moisture tolerant
- Easy and fast application – one-coat, one-cure technique
- Universal for all light-curing restoratives
- Ideal for paediatric use
- Contains fluorides
- No refrigerated storage needed

---

Admira® Bond
One-component dentine and enamel bond ORMOCER® based

**Indications**
Direct restoration with all types of light-curing restoratives (ORMOCER*s, composites, compomers)

**Advantages**
- ORMOCER® based
- High adhesion and long-lasting marginal tightness
- One component – one layer
- Universal for all light-curing restoratives

---

Solobond M
Light-curing one-component dentine and enamel bond

**Indications**
Direct restorations of all cavity classes with all light-curing restoratives

**Advantages**
- One component – one application
- Excellent adhesion
- High material elasticity and permanently tight margins
- "Stick-immediately-effect" for easy application of the restorative
- Universal for all light-curing restoratives
## Restoratives (Composites)

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<thead>
<tr>
<th>Page</th>
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<tr>
<td>24</td>
<td>Admira Fusion universal / aesthetic / biocompatible</td>
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<td>Admira Fusion Flow universal / aesthetic / biocompatible</td>
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<tr>
<td>26</td>
<td>Admira Fusion x-tra bulk fill / biocompatible</td>
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<td>Admira Fusion x-base bulk fill / biocompatible</td>
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<td>26 Admira Fusion X-tra</td>
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### Restoratives (Composites)

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### Compomers

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1 small 2 coloured, with glitter effect 3 molars / premolars 4 class I + II

An overview of our glass ionomer restorative materials can be found on page 42.
Admira® Fusion
Universal nano-hybrid ORMOCER® restorative material

Indications
Class I to V restorations
Base in class I and II cavities
Reconstruction of traumatically damaged anteriors
Facetting of discoloured anteriors
Correction of shape and shade for improved aesthetic appearance
Locking, splinting of loose teeth
Repairing veneers, small enamel defects and temporary C&B-materials
Extended fissure sealing
Restoration of deciduous teeth
Core build-up
Composite inlays

Advantages
• The worldwide first purely ceramic-based restorative material
  – Pure Silicate Technology, i.e., fillers and resin matrix based purely on silicon oxide
  – contains no classic monomers
• Thanks to the most innovative ORMOCER® technology
  – by far the lowest polymerisation shrinkage (1.25 % by volume) and particularly low level of shrinkage stress in comparison to all conventional restorative composites
  – inert, so excellent biocompatible and extremely resistant to discolouration
• Completely universal – meeting highest demands in anterior and posterior regions
  – perfect coordination of translucence with opacity for natural results
  – the optimal selection of shades enables highly flexible working using either the single or multiple shade system
• Excellent handling, simple high-lustre polishing procedure coupled with high surface hardness guarantee first-class long-term results
• Compatible with all conventional bonding agents

Clinical Case
Insufficient amalgam restorations in teeth 46 and 47
Modeling of the material which is still malleable at this stage
Finished, polished restorations

Source: Dr. Sanzio Marques, Passos / Brazil
Admira® Fusion Flow

Flowable light-curing nano-hybrid ORMOCER® restorative material

Indications
Filling of small cavities and extended fissure sealing
Blocking out undercuts
Lining or coating cavities
Fillings of class III - V cavities
Repairing fillings, veneers and temporary restorations
Luting translucent prosthetic pieces
Locking, splinting of loose teeth

Advantages
• The worldwide first purely ceramic-based flowable restorative material
  – pure Silicate Technology, i.e. fillers and resin matrix based purely on silicon oxide
  – contains no classic monomers
• Thanks to the most innovative ORMOCER® technology
  – extremely low polymerisation shrinkage (2.75 % by volume) and particularly low
  level of shrinkage stress in comparison to conventional flowable restorative
  composites
  – inert, so excellent biocompatible and extremely resistant to discolouration
• “Flow on demand” – the material becomes flowable only when under pressure or in
  motion. When the application has been completed, it is stable enough not to flow
  out of the cavity.
• Excellent surface affinity with complete wetting of the cavity walls
• VOCO’s patented, non-running and non-dripping NDT®-syringe ensures reliable and
  perfectly precise application. Undesirable loss of material is thus a thing of the
  past.
• 12 shades for aesthetic restorations – perfectly matching the shade range of the
  packable version, Admira Fusion
• Excellent handling, simple high-lustre polishing procedure coupled with high
  surface hardness guarantee first-class long-term results
• Compatible with all conventional bonding agents

Clinical Case

Mesial caries on tooth 12, disto-palatal caries on tooth 11
Simple application and optimal wetting behaviour of Admira Fusion Flow
Outstanding result created with Admira Fusion Flow / Admira Fusion

Source: Dr. Walter Denner, Fulda / Germany
Admira® Fusion x-tra

Nano-hybrid ORMOCER® restorative material, 4 mm

Indications
Class I and II posterior restorations
Base in class I and II cavities
Class V restorations
Locking, splinting of loose teeth
Repairing veneers, small enamel defects and temporary C&B-materials
Extended fissure sealing
Restoration of deciduous teeth
Core build-up

Advantages
• Purely ceramic-based, bulk fill restorative material
• Fast and high-quality – reliable curing of 4 mm layers
• Thanks to the most innovative ORMOCER® technology
  – by far the lowest polymerisation shrinkage (1.25 % by volume) and particularly
  low level of shrinkage stress, providing optimal marginal integrity
  – inert, so excellent biocompatible and extremely resistant to discoloration
• Excellent handling, simple high-lustre polishing procedure coupled with high
  surface hardness guarantee first-class long-term results
• Universal shade with chameleon effect
• Compatible with all conventional bonding agents

Clinical Case
Insufficient composite restoration in tooth 45
Prepared cavity awaiting filling
Application of Admira Fusion x-tra in 4 mm layers

Functional and aesthetic final result
Source: Dr. Walter Denner, Fulda / Germany
Admira® Fusion x-base
Flowable nano-hybrid ORMOCER® base restorative material, 4 mm

Indications
Base in class I and II cavities
Cavity lining under direct restorative materials in class I and II cavities
Small, non occlusal stress-bearing class I restorations according to minimally invasive filling therapy
Class III and V restorations
Extended fissure sealing
Undercut blockout
Repair of small enamel defects
Repair of small defects in aesthetic indirect restorations
Repair of temporary C&B-materials
Core build-up

Advantages
• Purely ceramic-based
• Fast and high-quality – 4 mm restoration base in one simple step
• Thanks to the most innovative ORMOCER® technology
  – extremely low polymerisation shrinkage (2.5 % by volume) and particularly low level of shrinkage stress, providing optimal marginal integrity
  – inert, so excellent biocompatible and extremely resistant to discoulouration
• Perfect surface affinity and excellent handling
• Compatible with all conventional bonding agents

Clinical Case

Occlusal caries in tooth 36
Cavity prepared for further procedure in accordance with the rules of adhesive filling therapy
Selective etching of the tooth enamel
Application of the bonding agent Futurabond M+

Application of Admira Fusion x-base in 4-mm layers, followed by light-curing
Covering with Admira Fusion, followed by light-curing
Functional and aesthetic final result

Source: Prof. Dr. Jürgen Manhart, Munich / Germany
**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

Completed restoration

Source: Dr. Walter Denner, Fulda / Germany

Insufficient composite fillings of teeth 11 and 21

Application of increments using GrandioSO A3.5

Completed restoration

Source: Dr. Sanzio Marques, Passos / Brazil

---

**Technical Data**

- **Radiopacity** 320%
- **I-V class restorations** shades 17
- **89 % w/w** light-curing
- **10-20 sec** shrinkage
- **1.6%** shrinkage

**Shade**

- A1
- A2
- A3
- A3.5
- A4
- B1
- B2
- B3
- C2
- D3
- Incisal
- OA1
- OA2
- OA3.5
- BL
- GA3.25
- GA5

**Kit Composition**

- Set syringe 5 × 4 g (A2, A3, A3.5, GA3.25, GA5), shade guide
- Set + bond syringe 5 × 4 g (A2, A3, A3.5, GA3.25, GA5), shade guide + Futurabond NR SingleDose 50 pcs., accessories
- Set Caps 80 × 0.25 g (16 each of A2, A3, A3.5, GA3.25, GA5), shade guide
- Shade guide
- Dispenser – Caps

**Table**

<table>
<thead>
<tr>
<th>Shade</th>
<th>Syringe 4 g</th>
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<td>C2</td>
<td>REF 2624</td>
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<td>BL</td>
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<tr>
<td>GA5</td>
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</table>
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

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
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
Grandio®SO x-tra
Aesthetic nano-hybrid bulk restorative material

**Indications**
- Class I and II posterior restorations
- Base in class I and II cavities
- Class V restorations
- Locking, splinting of loose teeth
- Repairing veneers, enamel defects and temporary C&B-materials
- Extended fissure sealing
- Restoration of deciduous teeth
- Core build-up

**Advantages**
- Quick and aesthetic posterior restorations
- Higher level of hardness than other bulk fill composites – on the surface, as well as at a depth of 4 mm
- Very high filler content (86 % w/w) and extremely low polymerisation shrinkage (1.4 % by volume)
- In shades A1, A2, A3 and universal
- High shade stability
- Excellent handling and simple high-lustre polishing procedure

---

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

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

For temporary treatment after placing an implant during the osseointegration of the implant

---

**Shade**

<table>
<thead>
<tr>
<th>Shade</th>
<th>Syringe 4 g</th>
<th>Caps 16 × 0.25 g</th>
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**Shade**

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</table>

**REF 1168** Glass fibre strands 5 × 55 mm
**REF 1169** Test Kit 5 glass fibre strands 55 mm each, model, application aids, GrandioSO Heavy Flow syringe 2 × 2 g A3, accessories
**VisCalor®**

Thermoviscous, universal restorative material

![NEW](image)

Suitable preheating device required (p.83)

**Indications**

- Class I to V restorations
- Base fill (restoration base) in Class I and II cavities
- Reconstruction of anterior teeth damaged by trauma
- Veneering discoloured anterior teeth
- Corrections in shape and shade to improve aesthetics
- Interlocking, splinting of loose teeth
- Repairing of veneers, enamel defects and temporary C&B materials
- Extended fissure sealing
- Restoration of deciduous teeth
- Core build-up
- Composite inlays

**Advantages**

- **Unique and innovative:** By pre-warming, the material is flowable during application and can be sculpted immediately afterwards (Thermo-Viscous-Technology)
- **Excellent handling:** Bubble-free application with a narrow and long cannula – optimal for hard-to-reach areas
- **High quality and durable:**
  - Optimal flowing to margins and undercut regions
  - Excellent physical properties
- **Efficiency:**
  - No need to change materials thanks to the combination of two levels of viscosity in one material
  - No overlaying necessary
- **High aesthetics:**
  - 11 shades with optimal coloration

**Clinical Case**

Initial situation

Application of the flowable material with immediate sculpting after cooling

Final aesthetic restoration

Source: Dr. Walter Denner, Fulda / Germany
VisCalor® bulk
Thermoviscous bulk fill composite

Indications
Class I and II posterior restorations
Base in class I and II cavities
Class V restorations
Locking, splinting of loose teeth
Repairing veneers, enamel defects and temporary C&B-materials
Extended fissure sealing
Restoration of deciduous teeth
Core build-up

Advantages
- Warming of the material makes it flowable for the application and then sculptable immediately afterwards (thermoviscous technology)
- Optimal flowing to margins and undercut regions – minimises risk of marginal gaps
- 4 mm bulk fill without covering layers
- Bubble-free application
- One universal and three aesthetic shades
- Slender cannula – ideal for hard-to-reach areas

Clinical Case

Cleaned cavities
Applying the heated VisCalor bulk with its superb creamy consistency and slender cannula
Adapting the sculptable VisCalor bulk

Polished and rehydrated class II cavities the day after filling placement

Source: Dr. Fernando Feitosa, Americana / Brazil
Grandio®

Universal nano-hybrid restorative material

Indications
Class I to V fillings
Reconstruction of traumatically affected anteriors
Facetting of discoloured anteriors
Correction of shape and shade for better aesthetic appearance
Locking, splinting of loose teeth
Repairing veneers
Filling deciduous teeth
Core-build-up under crowns
Composite inlays

Advantages
• Excellent physical properties for long-lasting restorations
• Significantly lower polymerisation shrinkage than conventional composites
• High filler content of 87 % w/w
• Extremely high abrasion resistance
• High transverse strength
• Smooth consistency for convenient handling
• Excellent aesthetics
• Can be used with all dentine / enamel bonding agents
• Available in 16 shades
• Shade guide made from original material

Shade

A1
A2
A3
A3.5
A4
B1
B2
B3
C2
C3
D2
D3
Incisal
OA2
OA3.5
BL

Syringe 4 g
REF 1810
REF 1811
REF 1812
REF 1813
REF 1814
REF 1815
REF 1816
REF 1817
REF 1818
REF 1819
REF 1820
REF 1821
REF 1822
REF 1823
REF 1824
REF 1825
REF 1826

Caps 20 × 0.25 g
REF 1840
REF 1841
REF 1842
REF 1843
REF 1844
REF 1845
REF 1846
REF 1847
REF 1848
REF 1849
REF 1850
REF 1851
REF 1852
REF 1853
REF 1854
REF 1855
REF 1856

REF 1800 Set syringe 5 × 4 g (A1, A2, A3, A3.5, B2), shade guide
REF 1801 Set + bond syringe 5 × 4 g (A1, A2, A3, A3.5, B2), shade guide + Futurabond NR SingleDose 50 pcs., accessories
REF 1830 Set Caps 50 × 0.25 g (10 each of A1, A2, A3, A3.5, B2), shade guide
REF 1899 Shade guide
REF 9301 Dispenser – Caps

REF 1840 REF 1841 REF 1842 REF 1843 REF 1844 REF 1854 REF 1845 REF 1846 REF 1847 REF 1848 REF 1849 REF 1850 REF 1851 REF 1852

20 sec light-curing
1.6 % shrinkage
250 % radiopacity
16 shades
Grandio® Flow

Flowable universal nano-hybrid restorative material

Indications

- Filling minimally invasive cavities of all classes
- Filling small class I cavities and extended fissure sealing
- Filling class II - V cavities including V-shaped defects and cervical caries
- Blocking out undercuts
- Lining or coating cavities
- Repairing fillings and veneers
- Luting translucent prosthetic pieces (e.g. full ceramic crowns, etc.)

Advantages

- Optimal flowability
- High filler content of 80 % w/w
- Exact shade match to Grandio
- Excellent wetting properties
- Microhybrid composite – like physical properties
- Significantly lower polymerisation shrinkage than conventional flowables
- Very good abrasion resistance
- High transverse strength
- Can be used with all conventional bonding agents
- The shades BL (bleach light) and WO (white opaque) fulfil special indications: Bleach light is suited for bleached teeth and for use in paediatric dentistry. The shade white opaque makes an ideal restoration base on e.g. discoloured dentine areas and in core build-up

Grandio® Flow in the NDT®-syringe

- NDT® means non-dripping-technology
- Especially for fine-flowing materials
- Can be dosed and applied precisely
- Without any loss of material
**Amaris® · Amaris® Flow**

*Highly aesthetic light-curing restorative material*

**Indications**
- Aesthetic restoration of class III, IV and V cavities in anterior teeth
- Aesthetic restoration of class I, II and V cavities in posterior teeth
- Reconstruction of traumatically damaged anterior teeth
- Direct and indirect composite veneers and facing of discoloured anterior teeth
- Repairing highly aesthetic porcelain, e.g. veneers
- Splinting of anterior teeth

**Advantages**
- Two simple steps, perfect results
- Layering like in nature: shades are created from the inside of the tooth
- Simple and precise shade match
- Natural shade transitions automatically
- Natural aesthetics can be achieved with only 11 shades in a simple layer technique
- Easy to learn, fast aesthetic results
- Intuitive approach, no preconceived shades
- Non-sticky consistency is ideal for modelling and shaping
- Optimal polishability
- Natural fluorescence and high colour stability
- Good chameleon effect for invisible restorations

**Advantages Amaris® Flow**
- The ideal addition to Amaris
- Simple modelling of the incisal edge
- Easy wetting
- Fine cannula allows to apply small amounts

<table>
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<th>Base shade</th>
<th>Opaque</th>
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<th>Translucent</th>
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<td>High opaque, HO</td>
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*REF 1932 and 1949 are not available in Canada*
Amaris® Gingiva
Highly aesthetic light-curing restorative material in gingiva shades

Indications
Class V restorations (cervical caries, root erosion, V-shaped defects) especially in cases of retreating gingiva e.g. as a result of periodontic disease
Covering of exposed discoloured hypersensitive cervical areas, especially in the visible anterior area
Highly aesthetic correction of mal-positions of teeth, for direct veneers, facings and corrections of the red-white aesthetics

Advantages
- One base shade, combined with three mixable opaquers, can reproduce almost all gingival shades
- Aesthetic and functional solution for cavities and V-shaped defects in cervical areas exposed by gingival recession
- Latest composite technology – Amaris know-how in gingiva shades

FinalTouch®
Light-curing characterisation material

Indications
Personalised characterisation of direct and indirect composite restorations
Masking of tooth discolourations
Characterisation of chairside CAD / CAM veneers

Advantages
- Reproduction of enamel characteristics
- Perfect extension of VOCO’s range of composite and ORMOCER® restorative materials
- Excellent handling for high-aesthetic results
- Fine material structure and homogeneous consistency for accurate application
- In the non-dripping NDT®-syringe
- 5 colours with opacity corresponding to the area of application

Not available in Canada
**x-tra base®**

*Flowable light-curing base composite*

---

**Indications**

- Base in class I and II cavities
- Cavity lining under direct restorative materials in class I and II cavities
- Small, non-occlusal stress-bearing class I restorations according to minimally invasive filling therapy
- Class III and V restorations
- Extended fissure sealing
- Undercut block out
- Repair of small enamel defects
- Repair of small defects in aesthetic indirect restorations
- Repair of temporary C&B-materials
- Core build-up

**Advantages**

- 4 mm restoration base in one simple step
- Cures reliably in only 10 seconds (shade universal)
- Perfect surface affinity for outstanding adaption
- Low shrinkage stress
- High level of radiopacity (350 % Al)
- Self-levelling
- Can be combined with any methacrylate-based bonding or composite
- The non-dripping NDT®-syringe or convenient Flow-Caps with bendable metal cannulae ensure a reliable, precisely accurate application

**Application**

1. A fully prepared cavity
2. Coating of the cavity walls with Futurabond DC
3. Start at the deepest point in the cavity ...
4. ... and fill up to 4 mm with x-tra base
5. Apply a 2 mm occlusal layer of GrandioSO
6. Finished restoration

---

**Technical Details**

- REF 1790 Syringe 2 x 2 g universal, accessories
- REF 1791 Syringe 2 x 2 g A2, accessories
- REF 1794 Caps 16 x 0.25 g universal
- REF 1795 Caps 16 x 0.25 g A2
- REF 9301 Dispenser – Caps
- REF 2148 Application cannulae type 46, 100 pcs.
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
- Reduced working time, especially in combination with any Futurabond SingleDose adhesive
- Easy handling
- Excellent physical properties

Clinical Case
Tooth 26 with an amalgam restoration in need of replacement

Filling the cavity in 4 mm increments

The glistening surface indicates excellent wetting with the bond before polymerisation

Modeling the marginal ridge against the matrix

Filling the palatal cavity

Finished treatment with x-tra fil

Source: Prof. Dr. Jürgen Manhart, Munich / Germany
Arabesk
Light-curing micro-hybrid composite with VOCO Sintraglas® multifiller system

Indications
- Class I to V fillings
- Reconstruction of traumatically affected anteriors
- Shape and shade corrections for improved aesthetic appearance
- Locking and splinting of loose teeth
- Extended fissure sealing for molars and premolars
- Veneer repairs
- Core build-up under crowns
- Especially suitable for composite inlays

Advantages
- High abrasion resistance and stability
- Good packability and shaping
- Good aesthetics and shade adaptation to the tooth
- Excellent polishability
- Universal for all cavity classes

Arabesk Flow
Flowable light-curing glass-ceramic micro-hybrid resin-based dental restorative material

Indications
- Filling of small cavities
- Extended fissure sealing
- Filling of cavities class III to V
- Lining, coating of cavities
- Repairing composite fillings and veneers
- Luting of full ceramic restorative pieces

Advantages
- Fine-flowing with excellent wetting capability
- Very good aesthetics (chameleon effect)
- Thixotropic properties
- High adhesion with Solobond M
- Precise application
- Economical

Alfacomp LC
Light-curing build-up and restorative material for the posterior tooth area

Indications
- Class I and II restorative treatment in the posterior region
- Core build-up

Advantages
- Visible differentiation between restorations and tooth hard substance through grey colouring
- Simple application yet excellent physical properties
- High level of radiopacity
- Can be used with any light-curing dentine / enamel bonding agent
Polofil® Supra
Light-curing micro-hybrid restorative material

Indications
For cavities classes I to V
Reconstruction of traumatically affected anteriors
Veneering of discoloured anteriors
Splinting, locking of teeth

Advantages
• Combines the advantages of micro-filled and macro-filled composites
• Non-sticky, good packability
• Abrasion-proof and stable shades
• Low shrinkage
• Durable and resistant restorations
• Low water uptake

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 Polishing
• 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

Coloured Twinky Star fillings in deciduous teeth
An overview of our composite restorative materials can be found on page 23.

<table>
<thead>
<tr>
<th>Restoratives (Glass ionomer materials)</th>
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(continued on the next page)
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
Linzings

Advantages
• Excellent working time – setting time individually adjustable by light-curing
• No need for conditioning of dental hard tissue
• 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 Cases

Case 1

Tooth 35 with cervical defect
Tooth 35 immediately after treatment

Source: Dr. Isma Goltz, Bremen / Germany

Case 2

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

**Clinical Case**

- Defects on teeth 24 and 25
- Application of IonoStar Plus
- Packable viscosity

---

Source: Dr. Walter Denner, Fulda / Germany
**IonoStar® Molar**

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

**Advantages**
- Variable mixing time for adjustment of consistency
- Perfect marginal adaptation and easy application
- Can be modelled immediately after insertion without sticking to the instrument
- In VOCO’s new application capsule, easy activation without activator
- The new capsule design reaches smaller cavities and difficult-to-access areas in the mouth
- High compressive strength and abrasion resistance

---

**VOCO Ionofil® Molar**

Glass ionomer restorative material

**Indications**
Restorations of class II cavities (not occlusion-bearing)
Temporary long-term treatment of class I and II cavities
Build-up fillings and linings
Core build-up
Restoration of deciduous teeth
Restoration of V-shaped defects and cervical enamel or root erosions including class V cavities

**Advantages**
- Very good packability
- Non-sticky consistency
- Very high abrasion resistance, compressive and transverse strength
- Good adhesion to dentine and enamel
- Very durable fillings
- Continuous high fluoride release
- Radiopaque
- Biocompatible
- Tooth-like aesthetic translucency

---

**Reference Numbers**

**IonoStar® Molar**

- REF 2520  Set application capsule 50 pcs. (10 × A1, 10 × A2, 30 × A3)
- REF 2522  Set application capsule 150 pcs. A2, AC Applicator type 1
- REF 2523  Set application capsule 150 pcs. A3, AC Applicator type 1
- REF 2524  Application capsule 20 pcs. A1
- REF 2525  Application capsule 20 pcs. A2
- REF 2526  Application capsule 20 pcs. A3
- REF 2527  Application capsule 150 pcs. A2
- REF 2528  Application capsule 150 pcs. A3
- REF 2331  Applicator – AC type 1

**VOCO Ionofil® Molar**

- REF 1447  Powder 15 g A1
- REF 1442  Powder 15 g A2
- REF 1443  Powder 15 g A3
- REF 1448  Liquid 10 ml
VOCO Ionofil® Molar AC Quick

Fast-setting glass ionomer restorative material

Indications
Restorations of class II cavities (not occlusion-bearing)
Temporary long-term treatment of class I and II cavities
Build-up fillings and linings
Core build-up
Restoration of deciduous teeth
Restoration of V-shaped defects and cervical enamel or root erosions including class V cavities

Advantages
• Very good packability
• Non-sticky consistency
• Very high abrasion resistance, compressive and transverse strength
• Stable fillings without marginal gaps
• Continuous high fluoride release
• Biocompatible
• Tooth-like aesthetic translucency
• A setting time of only 2.5 minutes makes VOCO Ionofil Molar AC Quick the perfect material for the treatment of children and impatient patients
• Good aesthetics in three shades

Easy Glaze®

Nano-filled light-curing coating for surface sealing

Indications
Surface sealing of provisional crowns and bridges, glass ionomer restorations and definitive composite restorations
Protecting glass ionomer surfaces against the effects of moisture and dehydration immediately after placement
Sealing glass ionomer liners / build-up restorations before taking impressions
Sealing and protecting the adhesive interfaces between restoration and tooth structure

Advantages
• Glossy and aesthetic surfaces
• Easy to use
• Provides protection against discolouration

In combination with VOCO Ionofil® Molar and IonoStar®

• Protects against moisture and dehydration immediately after filling placement
• Tooth-like fluorescence
• Natural gloss

REF 1630 Set application capsule 48 pcs. (8 × A1, 8 × A2, 32 × A3), Final Varnish LC bottle 3 ml
REF 1631 Application capsule 48 pcs. A1
REF 1634 Application capsule 48 pcs. A2
REF 1632 Application capsule 48 pcs. A3
REF 1241 Final Varnish LC bottle 2 × 3 ml
REF 2331 Applicator – AC type 1
REF 9300 Activator – AC

REF 1016 Bottle 5 ml, accessories
REF 2245 Easy Brush, application brushes, 50 pcs.
REF 2315 Mixing palettes, 20 pcs.
Aqua Ionofil Plus

Water-mixable glass ionomer restorative material

Indications
Restoration of deciduous teeth
Restoration of V-shaped defects and cervical enamel or root erosions including class V cavities
Restoration of cavities caused by carious lesions
Restorations of class III cavities and small class I cavities
Extended fissure sealing
Build-up fillings and linings

Advantages
• Improved glass ionomer technology
• Good aesthetics available in three shades
• Simply mixed with water
• No danger of overacidification
• Spreadable consistency
• Good marginal adaptation
Indirect Restoration


Naturally, our portfolio offers you the full spectrum of indirect restoration materials: resin-reinforced glass ionomer cements, composite-based luting systems, highly aesthetic material for the fabrication of provisional crowns and bridges, glass fibre-reinforced composite posts and material for repairing ceramic restorations.

CAD / CAM users wishing to create crowns and bridges chairside will also find the ideal material basis in VOCO’s blocks and discs.

For 3D printing work we recommend our perfectly coordinated materials for additive printing of objects.
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**
- **Classified as MD IIa** – for safety and long-term therapy use
- **Biocompatible and flavourless** – for excellent customer acceptance
- **Transparent** – for hardly noticeable splints
- **High flexural strength** – for long-lasting objects
- **High precision** – a great fit for good wearing comfort

**REF 6044** Bottle 1000 g clear

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V-Print® splint comfort

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

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

**Advantages**
- **Highly flexible and abrasion-resistant** – extremely fracture-resistant and durable
- **Thermoflexible and flavourless** – for excellent wearing comfort
- **Transparent** – for hardly visible splints
- **Low-odour and easy to polish** – for pleasant processing
- **Biocompatible and flavourless**
- **Classified as MD IIa**

**REF 6126** Bottle 1000 g clear

*Not available in Canada*

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V-Print® SG

**Light-curing resin for the generative production of dental drilling templates**

**Indications**
- Dental drilling templates

**Advantages**
- **Classified as MD IIa** – for optimal safety
- **High customer acceptance** – flavourless and odourless
- **Optimum patient safety** – can be steam sterilised at 134°C for 5 minutes before use
- **Dimensionally stable** – perfect fit even after steam sterilisation
- **Biocompatible** – that goes without saying

**REF 6043** Bottle 1000 g clear
V-Print® model fast

**Light-curing resin for the generative production of fast printable models, especially for the dental thermoforming technique**

**Indications**
Dental models

**Advantages**
- **Saves time** – for rapid printing in high layer thicknesses with no loss of quality
- **Suitable for thermoforming technique** – temperature-resistant as the basis for fabrication of aligner and retainer splints
- **High strength and minimum wastage** – the high strength allows material-efficient hollowing of the models

**V-Print® model**

**Light-curing resin for the generative production of dental models**

**Indications**
Dental working and presentation models

**Advantages**
- **Can be ground precisely** – no undesirable changes to the workpiece (e.g. due to heat generation)
- **Scratch-proof, very hard surface** – allows trial fitting without deformation
- **Suitable for thermoforming technique** – no deformation caused by heat from the process
- **High precision** – for perfectly fitting restorations

**V-Print® cast**

**Light-curing resin for the generative production of burn-out objects for casting and pressing processes**

**Indications**
Production of objects which can be burned out without leaving any residues for casting processes and press ceramics

**Advantages**
- **High dimensional stability and edge strength** – reliable checking of the occlusion and lateral movements
- **Finishing at an early stage** – instrument-friendly finishing of objects even in the green state
- **Excellent compatibility** – can be used with commercially available, phosphate-bonded investment materials
- **Restorations free of impurities** – V-Print cast burns out without residues

**REF 6125**  Bottle 1000 g blue

**REF 6042**  Bottle 1000 g beige

**REF 6045**  Bottle 1000 g blue

*Not available in Canada*
**V-Print® dentbase**

*Light-curing resin for the generative production of denture bases for removable dentures*

**Indications**
Removable denture bases

**Advantages**
- **High wearing comfort** – thanks to precise, custom-fit fabrication
- **Compatible** – with commercially available lining materials
- **Safe removal from the build platform** – thanks to high green strength
- **Optimal customer acceptance** – flavourless and odourless
- **Biocompatible** – that goes without saying

**Indications**
Removable denture bases

**Advantages**
- **Classified as MD IIa** – for safety and long-term use
- **Highly aesthetic** – with natural gingiva colour

**REF 6048** Bottle 1000 g pink
*Not available in Canada*

---

**V-Print® Try-In**

*Light-curing resin for the generative production of try-ins for prosthetics*

**Indications**
Try-ins for full and partial dentures
Transfer and grinding templates
Correction and occlusal impressions

**Advantages**
- **Advance checks** – verifying and, if necessary, adapting the fit, occlusion, function, phonation and aesthetics before the permanent denture is fabricated

**REF 6049** Bottle 1000 g beige

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**V-Print® tray**

*Light-curing resin for the generative production of individual trays, base plates and occlusal registrations*

**Indications**
Individual impression and function trays
Bases for bite templates and wax assemblies for full dentures
Occlusal registrations

**Advantages**
- **Saves time** – printable in high layer thicknesses (up to 200 μm)
- **Distortion-free impressions** – thanks to very strong material
- **Universal** – can be used with all types of impression material
- **Fast and efficient** – object printing including shaping of margins, retention elements and recesses for implant impressions

**REF 6047** Bottle 1000 g blue

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All print partners can be found here
[www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)
**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
![Diagram of disc sizes](image)

### Sizes blocs
**No. 14L**
- 14.8 mm
- 14.5 mm
- 18 mm

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

---

The list of devices is continually extended and can be found at [www.voco.dental/devicesgrandio](http://www.voco.dental/devicesgrandio)
Structur CAD

**CAD / CAM composite for temporary restorations**

**Indications**
- Temporary bridges spanning up to two pontics
- Temporary abutment crowns
- Temporary crowns

**Advantages**
- Fast and efficient CAD / CAM production of precision-fit temporary restorations
- Highest quality and aesthetics for prolonged, safe wear – especially suitable for long-term provisional and semi-permanent restorations
- Excellent edge stability
- Effortless intraoral as well as extraoral polishing and Individualisation
- No need to use an MMA primer

**Size disc**

**Size block**

**Clinical case**

Unsatisfactory initial situation

Initial situation – close-up

CAD / CAM bridge on the model

Structur CAD after insertion

Source: Dr. Felipe Araujo, Brazil
**CediTEC® DT**

**CAD / CAM composite for denture teeth**

**Indications**
Prosthetic teeth and tooth sections up to complete dental arches for removable dentures

**Advantages**
- Cured composite for high quality and durable denture teeth
- Translucent shade and high fluorescence for natural aesthetics
- Production of individual, accurately fitting denture teeth, reproducible at any time
- Effortless polishing for a natural gloss
- Easy to individualize without using an MMA primer
- Aesthetic, precise, individual – dentures made with the CediTEC / V-Print dentbase system

**CediTEC®**

**Luting system for denture teeth in denture bases**

**Indications**
Luting of prefabricated prosthetic teeth and CAD / CAM-produced individual teeth and tooth sections in CAD / CAM-produced denture bases
Luting of prosthetic teeth in the scope of a repair or extension

**Advantages**
- Error- and bubble-free mixing
- Only the material quantity actually required is mixed
- Easy and direct application
- Subsequent additions possible
- Also usable for other systems and conventional PMMA
- Aesthetic, precise, individual – dentures made with the CediTEC / V-Print dentbase system

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**REF 6085**  Disc A1 20 mm, ø 98 mm
**REF 6086**  Disc A2 20 mm, ø 98 mm
**REF 6087**  Disc A3 20 mm, ø 98 mm
**REF 6088**  Disc BL 20 mm, ø 98 mm

Not available in Canada

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**REF 6082**  Set cartridge 80 g CediTEC Adhesive, bottle 4 ml CediTEC Primer, accessories
**REF 2202**  Mixing tips type 20, 50 pcs.
**REF 2245**  Easy Brush, application brushes, 50 pcs.

Not available in Canada
CediTEC® DB
High-impact PMMA for the fabrication of denture bases for removable dentures

Indications
Fabrication of denture bases for removable dentures

Advantages
- PMMA with high impact resistance and strength for a long time wearing period
- High-quality denture bases, reproducible at any time
- Three shades for an aesthetic result
- Very good polishability – individualisations possible at any time
- Aesthetic, precise, individual – dentures with the CediTEC System

REF 6195 Disc pink 30 mm, ø 98 mm
REF 6196 Disc dark-pink 30 mm, ø 98 mm
REF 6197 Disc orange-pink 30 mm, ø 98 mm
Not available in Canada
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**Luting Materials**

- **57** Quick Up composite
- **58** Rebilda DC composite
- **59** Meron Plus resin reinforced GIC
- **60** Meron PMMA
- **61** Aqua Meron PMMA
- **62** Biocem composite
- **63** Biocem composite

**Direct Restoration**

- **64** Locators
- **65** Locator®
- **66** Other Holding Elements

**Oral Care**

- **67** Various

**Indirect Restoration**

- **68** Various

**Devices - Various**

- **69** Various

Locator® is not a registered trademark of VOCO GmbH.
Bifix® SE

Dual-curing self-adhesive composite-based luting system

Indications
Definitive luting of inlays, onlays, crowns and bridges (not Maryland bridges) made from ceramic, zirconium dioxide, composites and metal
Definitive luting of metal, ceramic, zirconium dioxide and fibre-reinforced posts

Advantages
• Secure adhesion to tooth and restoration
• Fast working: no etching, no bonding
• Odourless
• Easy handling
• Long-term durability
• Simple removal of excess material
• Minimal film thickness of 10 μm for precisely fitted luting without elevating the bite
• Also suitable for zirconium dioxide
• Endo-mixing tips in each package – for the most precise application even in the root canal

Application

Easy excess removal during gel-phase. Tack-cure Bifix SE using the curing light for 1 - 2 seconds per surface. The excess gel-like material is easily removable, e.g. with a scaler.
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


Bifix® Hybrid Abutment
Universal, dual-curing luting composite for intraoral and extraoral application

Indications
Permanent extraoral and intraoral luting of superstructures (incl. mesostructures) made of metal, ceramics, zirconium dioxide and polymers (composite, hybrid ceramics or PMMA) on
- prefabricated adhesive/titanium bases (extraorally only)
- customised titanium and zirconium dioxide bases (both extraorally and intraorally)
- dental hard tissue

Advantages
- All-in-one – permanent luting of all known dental materials
- Highest flexibility – intraoral application in the practice and extraoral in the laboratory
- High aesthetic – the perfect masking of dark substrates with highly opaque shades
- With Try-In pastes – precise shade simulation for hybrid abutments, abutment crowns and core treatments

REF 1217  Set QuickMix syringe 10 g U (universal), Futurabond DC bottle 4 ml each of liquid 1 and 2, Ceramic Bond bottle 5 ml, accessories
REF 1218  QuickMix syringe 10 g universal, accessories
REF 1219  QuickMix syringe 10 g transparent, accessories
REF 1769  QuickMix syringe 10 g white-opaque, accessories
REF 2261  Dispenser – QuickMix
For further accessories see p. 89/90

REF 2410  Implant Set – QuickMix syringe 10 g (universal HO), Try-In syringe 2.5 g, Ceramic Bond bottle 5 ml, Futurabond U SingleDose 5 pcs., accessories
REF 2411  QuickMix syringe 10 g (universal HO), Try-In syringe 2.5 g, accessories
REF 2412  QuickMix syringe 10 g (white HO), Try-In syringe 2.5 g, accessories
REF 2413  QuickMix syringe 10 g (translucent), Try-In syringe 2.5 g, accessories
REF 2261  Dispenser – QuickMix
For further accessories see p. 89/90
Not available in Canada
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, metal 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

Meron Plus QM
Resin reinforced glass ionomer luting cement

**Indications**
Luting of
- metal-based inlays, onlays, crowns and bridges
- high-strength (e.g., zirconium dioxide-based or lithium disilicates, etc.) all-ceramic inlays, onlays, crowns and bridges
- metal, ceramic and glass fibre-reinforced posts
- orthodontic bands and aids

**Advantages**
- Excellent adhesion to the dental structure
- Precise marginal fit
- Moisture and acid resistant
- Self-adhesive: secure and quick bonding without primer or conditioner
- Excess material can be removed without waiting thanks to optional short-time light polymerisation
- QuickMix syringe ensures optimal application and a reliable mixing ratio

REF 1106 Bottle 5 ml
REF 1107 SingleDose 50 pcs., accessories

REF 1727 QuickMix syringe 8.5 g, accessories
REF 1728 QuickMix syringe 3 x 8.5 g, accessories
REF 2261 Dispenser – QuickMix
REF 2189 Mixing tips type 10, 50 pcs.
**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

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**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

---

**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
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

Quick Up®
Self-curing luting material for attachments and secondary denture parts

Indications
Gingiva-coloured composite for luting attachments, such as ball, Locator® and telescope retention elements in prostheses with acrylic bases
Reluting secondary elements in prostheses with acrylic bases, e.g. connecting bars

Advantages
- Very simple chairside use
- High strength values
- Complete set for immediate use, including checking and block out material for primary structures that require protection, e.g. implants
- Ideal combination of self-curing luting material and light-curing correction material

Locator® is not a registered trademark of VOCO GmbH.
**Rebilda® Post**

**Glass fibre-reinforced composite post**

### Indications
Endodontic post build-up for support and anchoring of coronal restoration in situations with insufficient tooth substance

### Advantages
- Dentine-like elasticity behaviour, high transverse strength
- High level of radiopacity (350 %Al)
- Anatomical shape
- Adhesive luting
- Removable
- All materials in the set match each other
- Post insertion and core-build-up in one step

**Futurabond® DC · Futurabond® U**
- safe self-cure
- high adhesion without additional etching

**Rebilda® DC**
- suitable for post luting
- cuts like dentine, very good physical properties
- low setting temperature

---

**REF 1770** Set 5 posts each of (ø 1.2 mm, ø 1.5 mm, ø 2.0 mm), 1 drill each of (ø 1.2 mm, ø 1.5 mm, ø 2.0 mm)

**REF 1771** Set 5 posts each of (ø 1.2 mm, ø 1.5 mm, ø 2.0 mm), 1 drill each of (ø 1.2 mm, ø 1.5 mm, ø 2.0 mm), Ceramic Bond bottle 5 ml, Futurabond DC SingleDose 15 pcs., Rebilda DC QuickMix syringe 10 g dentine, accessories

**REF 1782** Set II 5 posts each of (ø 1.0 mm, ø 1.2 mm, ø 1.5 mm, ø 2.0 mm), 1 drill each of (ø 1.0 mm, ø 1.2 mm, ø 1.5 mm, ø 2.0 mm), Ceramic Bond bottle 5 ml, Futurabond U SingleDose 20 pcs., Rebilda DC QuickMix syringe 10 g dentine, accessories

**REF 1775** Post 10 (ø 1.0 mm), 5 pcs.

**REF 1772** Post 12 (ø 1.2 mm), 5 pcs.

**REF 1773** Post 15 (ø 1.5 mm), 5 pcs.

**REF 1774** Post 20 (ø 2.0 mm), 5 pcs.

**REF 1780** Drill 10 (ø 1.0 mm), 1 pcs.

**REF 1777** Drill 12 (ø 1.2 mm), 1 pcs.

**REF 1778** Drill 15 (ø 1.5 mm), 1 pcs.

**REF 1779** Drill 20 (ø 2.0 mm), 1 pcs.
Rebilda® Post GT

Bundled glass fibre-reinforced composite post

Indications
Core build-up restorations with root posts for endodontically treated teeth

Advantages
• Optimal restoration of mechanically prepared root canals
• Simple application
• Saves time and reduces the extent of tooth substance removal, as there is no need for preparation of the post site, which weakens the tooth less than conventional posts
• Optimal adaptation to all canal morphologies and geometries
• All materials in the set are perfectly coordinated
• Futurabond® U
  – safe self-cure
  – high adhesion without additional etching
• Rebilda® DC
  – suitable for post luting
  – cuts like dentine, very good physical properties
  – low setting temperature

Application

<table>
<thead>
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<th>Number of single fibres</th>
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<th>1.0</th>
<th>1.2</th>
<th>1.4</th>
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<td>Shortening after polymerisation</td>
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<td>12</td>
<td>ø</td>
<td>40 sec.</td>
<td>Shortening after polymerisation</td>
<td>40 sec.</td>
<td></td>
</tr>
</tbody>
</table>

REF 1972  Set 5 posts each of (~ ø 0.8 mm, ~ ø 1.0 mm, ~ ø 1.2 mm, ~ ø 1.4 mm), Ceramic Bond bottle 5 ml, Futurabond U SingleDose 20 pcs., Rebilda DC QuickMix syringe 10 g dentine, accessories
REF 1973  Post 4 (~ ø 0.8 mm), 5 pcs.
REF 1974  Post 6 (~ ø 1.0 mm), 5 pcs.
REF 1975  Post 9 (~ ø 1.2 mm), 5 pcs.
REF 1976  Post 12 (~ ø 1.4 mm), 5 pcs.
Rebilda® DC
Dual-curing flowable core build-up and post luting system

Indications
Adhesive core build-up on vital and non-vital teeth
Luting of fibre-reinforced resin posts

Advantages
- Light-curing for time-saving application
- Additional chemical curing for reliable processing
- Available in 10 g QuickMix syringes and 50 g cartridge
- In three shades: blue for easy identification of preparation margins, dentine for aesthetic reasons, white as an aesthetic contrast to dentine
- Optimised small mixing tips save material
- Low heat development even in bulk application
- Flowable – packing is obsolete
- Safe adhesion with system bond
- Easy access of posterior areas with intraoral tips

Clinical Case

Tooth 11 requiring therapy
Canal opening with root-canal filling
Root-canal filling with marginal integrity, up to the apex
Rebilda Post inserted into the root canal
Prepared build-up – ready for impression

Source: Dr. Walter Denner, Fulda / Germany
Grandio® Core Dual Cure
Flowable dual-curing nano-hybrid core build-up material

Indications
Core build-up, for vital as well as non-vital teeth
Luting of root posts

Advantages
• Outstanding physical properties for durable core build-ups
• Filler content of 77 % w/w
• Nano-hybrid technology
• In three shades: dentine, blue and white
• QuickMix syringe to ensure optimal application and consistent mixing ratio
• Flowable
• With intraoral tips type 4 for convenient application

Clinical Case
High loss of substance in the anterior area after excavation
Condition after build-up with Grandio Core Dual Cure, ready for impression
Final restoration

Source: Dr. Walter Denner, Fulda / Germany
Structur 3

Self-curing composite material for the fabrication of provisional crowns and bridges

Indications
Fabrication of temporary crowns, bridges, inlays, onlays, partial crowns, veneers and temporary posts
Fabrication of long-term temporaries
Lining of pre-fabricated temporary crowns made from composite materials, polycarbonate or metal

Advantages
• Processing
  – quick, simple and reliable thanks to the 1:1 cartridge system
  – short setting time
  – elastic phase allows simple removal from the prepared tooth
  – gloss without polishing – only requires removal of the inhibition layer
• Aesthetics
  – natural gloss and fluorescence
  – available in 8 shades
• Durability
  – high compressive strength
  – excellent fracture resistance

Clinical Case

Initial situation
Prepared cores
Finished temporary bridge

Appealing result

Source: Dr. Walter Denner, Fulda / Germany

GLOSS WITHOUT POLISHING!
Structur 2
Self-curing composite material for the fabrication of provisional crowns and bridges

Indications
Fabrication of aesthetic temporary crowns, bridges, inlays and onlays

Advantages
• Simple and fast working steps
• Less than 1 minute setting time in the mouth
• Easy to shape and polish
• Available in 8 shades for natural aesthetics
• Long-lasting temporaries
• High stability of shape and shade
• Very economical due to minimal material loss
• Natural fluorescence

Clinical Case

Unsatisfactory aesthetic situation due to missing incisors, mesial inclination and the black triangle between the central incisors

Prepared and thereby axially corrected teeth

Treatment with temporaries made from Structur 2 SC. Visible aesthetic benefit provided already by the temporaries

Source: Dr. Wentaschek, Johannes Gutenberg-Universität Mainz / Germany
Structur Premium

Highly aesthetic composite material for the fabrication of provisional crowns and bridges

Indications
Fabrication of highly aesthetic crowns, bridges, inlays and onlays

Advantages
• Aesthetic like porcelain
• High stability of shape and shade
• Natural fluorescence
• Brilliant gloss
• As hard as enamel
• Extremely high fracture resistance
• Perfect handling
• Convenient work steps, easy to trim and polish
• Long-term use of temporary possible
• Very economical due to minimal material loss

<table>
<thead>
<tr>
<th>Shade</th>
<th>Cartridge 75 g, mixing tips type 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>REF 1712</td>
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<tr>
<td>A2</td>
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<td>A3</td>
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<td>REF 1715</td>
</tr>
<tr>
<td>BL</td>
<td>REF 1716</td>
</tr>
</tbody>
</table>

Temporary Set

Material for the fabrication of provisional dental prosthetic pieces, filling material for temporary restorations and temporary luting cement

Indications
More information on the indications can be found on the product pages of Structur 3, Provicol QM and Clip Flow

Advantages
• Provisional dental prosthetic pieces with a gloss that does not require polishing
• Light-curing temporary restoration material for inlay and onlay cavities, durable and saliva-proof
• Temporary, eugenol-free luting material
• Contains calcium hydroxide known for bacteriostatic effect

| REF 2502 | Structur 3 cartridge 50 ml A3, Provicol QM QuickMix syringe 5 ml, Clip Flow syringe 2 x 1.8 g |

Not available in Canada
**Provicol® QM Aesthetic**

**Translucent, temporary luting cement with calcium hydroxide, eugenol-free**

**Indications**
Temporary luting of provisional or definitive inlays, onlays, crowns, partial crowns / veneers and bridges
Temporary filling of small one-surface cavities

**Advantages**
- Highly aesthetic, translucent appearance
- Accurate fit due to very low film thickness
- Optimum flowability for easy cementation
- Further advantages see Provicol QM Plus

**Clinical Case**

Easy removal of excess material  
Attractive result with ZrO² crowns

*Source: Hamilton Renato Pereira Lima, Santos, São Paulo / Brazil*

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**Provicol® QM Plus**

**Eugenol-free temporary luting cement with calcium hydroxide**

**Indications**
Temporary luting of inlays, onlays, crowns, partial crowns and bridges
Temporary filling of small one-surface cavities

**Advantages**
- Semi-elastic properties for safe adhesion of the temporary
- Contains calcium hydroxide which is known to support the formation of tertiary dentine and to have an antimicrobial effect
- Eugenol-free, thus low allergy potential
- Ideal before adhesive luting with resin cements, because no inhibition of curing reaction of resin-based filling or luting materials

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Provicol® · Provicol® QM
Eugenol-free temporary luting cement with calcium hydroxide

**Indications**
Temporary luting of inlays, onlays, crowns, partial crowns and bridges
Temporary filling of small one-surface cavities

**Advantages**
- Semi-elastic properties for safe adhesion of the temporary
- Contains calcium hydroxide which is known to support the formation of tertiary dentine and to have an antimicrobial effect
- Ideal before adhesive luting with resin cements, because no inhibition of curing reaction of resin-based filling or luting materials

**REFs**
- REF 1055  QuickMix syringe 5 ml universal, accessories
- REF 2261  Dispenser – QuickMix
- REF 2188  Mixing tips type 9, 50 pcs.

Provicol® C
Proven Provicol in cartridges

**Indications**
Temporary luting of inlays, onlays, crowns, partial crowns, bridges, attachments and posts
Temporary filling of small one-surface cavities

**Advantages**
- Semi-elastic properties for safe adhesion of the temporary
- Contains calcium hydroxide which is known to support the formation of tertiary dentine and to have an antimicrobial effect
- Eugenol-free, thus low allergy potential
- Ideal before adhesive luting with resin cements, because no inhibition of curing reaction of resin-based filling or luting materials

**REFs**
- REF 1075  Tube 2 x 25 g (base / catalyst)
- REF 1078  Tube 10 x 25 g (base / catalyst)
- REF 1074  QuickMix syringe 5 ml, accessories
- REF 2261  Dispenser – QuickMix
- REF 2189  Mixing tips type 10, 50 pcs.

Bifix® Temp
Dual-curing, composite-based temporary luting material

**Indications**
Non-permanent luting of temporary restorations

**Advantages**
- Translucent, tooth-like shade for aesthetic restorations
- Dual-curing – flexible setting times by use of a polymerisation light
- Simple removal of excess material – can be removed in one piece following brief light-curing

**REFs**
- REF 1055  QuickMix syringe 5 ml universal, accessories
- REF 2261  Dispenser – QuickMix
- REF 2188  Mixing tips type 9, 50 pcs.
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

Clinical Case
Abutment with open aperture
Aperture sealed with Clip Flow
Finished seal after light-curing

Source Dr. Marcelo Balsamo, São Paulo / Brasil

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
- Elastic, flowable and non-sticky
- Time-saving through light-curing

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
Ufi Gel® hard C · Ufi Gel® hard

Hard direct denture relining

Indications
Hard, permanent total or partial relinings to restore the functions of partial and total dentures
Lengthening of denture margins

Advantages
• Complete, hard relining chairside, in just one session
• Methyl methacrylate-free
• Neutral taste and odour
• No heat development in the mouth
• Good colour stability
• As easy as taking an impression
• Aesthetic, high patient acceptance and comfort
• Smooth surface
• New layers can be added at any time

Clinical Case

Ufi Gel® hard C
REF 2215 Set cartridge 80 g, adhesive bottle 10 ml, accessories
REF 2218 Set + dispenser cartridge 80 g, adhesive bottle 10 ml, accessories
REF 2216 Cartridge 80 g, accessories
REF 2217 Adhesive bottle 10 ml
REF 2158 Dispenser – type 2
REF 2187 Mixing tips type 8, 50 pcs.
Ufi Gel® hard
REF 2210 Set powder 60 g, liquid bottle 40 ml, conditioner bottle 20 ml, accessories
Ufi Gel® SC · Ufi Gel® P
Permanently soft, cold-curing relining material on silicone base

Indications
Permanently soft relining for total and partial dentures
– to eliminate pressure spots
– to dam the palatal vibrating line
– in cases of flabby ridges and / or insufficient adhesion
– to cushion sharp-edged alveolar processes
– to support the healing process in implantology

Advantages
• Top quality relining silicone
• Complete relining in one single session (chairside)
• Remains permanently soft
• Special adhesive for extreme bonding of silicone to denture
• Biocompatible (methacrylate-free)
• Neutral odour and taste
• Stable, aesthetic colour with chameleon effect
• Labside use: fewer steps than with other cold-cured materials
• For all PMMA based dentures
• Easy and fast application of direct and indirect relining
• Excellent adaptation to fine details for a precise fit of the denture
• Resistant against standard denture cleansers

Clinical Case
SEATING OF THE PROSTHESIS AND MOVEMENTS OF THE MANDIBLE

Ufi Gel® SC
REF 2041 Set cartridge 50 ml, adhesive bottle 10 ml, glazing base 10 ml, glazing catalyst 10 ml, accessories
REF 2040 Cartridge 50 ml, accessories
REF 2029 Adhesive bottle 10 ml
REF 2047 Glazing bottle 2 × 10 ml (base / catalyst)
REF 2049 Polishing discs, 10 pcs.
REF 2158 Dispenser – type 2
REF 2187 Mixing tips type 8, 50 pcs.

Ufi Gel® P
REF 2070 Set tube base 50 ml, catalyst 50 ml, glazing base 10 ml, glazing catalyst 10 ml, adhesive bottle 10 ml, accessories
REF 2071 Tube 2 × 50 ml (base / catalyst)
REF 2076 Adhesive bottle 10 ml
REF 2309 Disposable brushes for dental brush holder, 100 pcs.
REF 2315 Mixing palettes, 20 pcs.
REF 2338 Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs.
V-Posil® Putty Fast · Putty Soft Fast · Heavy Soft Fast · Mono Fast

**Precision impression material, VPS**

### Indications

**V-Posil Putty Fast / Soft Fast** is used as preliminary material for
- two-step putty-wash impression technique
- one-step putty-wash impression technique
- two-step putty-wash impression technique using a foil (plastic putty spacer)
- one-step putty impression technique for forming functional peripheries

**V-Posil Heavy Soft Fast** is to be used as heavy bodied material for
- one-step impression technique (simultaneous technique) using dual viscosities
- two-step impression technique using dual viscosities
- functional impressions

**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*
- **Safe removal** – high toughness allows removal without damaging filigree structures
- **Perfect prosthetics** – high hydrophilicity and high recovery after deformation of the set impression makes the pouring out and thus the restoration perfect

* V-Posil Putty Fast 380 ml: Extraoral working time ≤ 01:30 min., time in mouth ≥ 02:30 min.
V-Posil® Light Fast · V-Posil® X-Light Fast

Precision impression material, VPS

Indications

V-Posil Light Fast and V-Posil X-Light Fast are to be used as syringeable impression materials for

– two-step putty-wash impression technique
– one-step putty-wash impression technique
– two-step impression technique using a foil (plastic putty spacer)
– one-step impression technique (simultaneous technique) using dual viscosities
– reline impressions
– fabricating full or partial dentures

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
• Safe removal – high toughness allows removal without damaging filigree structures
• Perfect prosthetics – good hydrophilicity and high recovery after deformation of the set impression makes the pouring out and thus the restoration perfect

Clinical Case

Prepared teeth with retraction cord
Encasing the teeth in V-Posil Light Fast
Precise impression taking with V-Posil Putty Fast and V-Posil Light Fast
Finished denture on the model
Aesthetically natural result

Source: Dr. Walter Denner, Fulda / Germany
VOCO Retraction Paste

Astringent paste for an effective temporary widening and dry gingival sulcus

**Indications**

For temporary retraction of the marginal gingiva to provide a dry gingival sulcus when the periodontium is healthy prior to, e.g.
- analogue or digital impressions
- cementation of temporary and permanent restorations
- preparation of class II and V fillings

**Advantages**

- **Thin cannula with flexible tip** – easy and pinpoint application into the sulcus
- **Viscosity Change** – paste consistency varies during application and sulcus widening
- **Good visibility** – contrasty to the gingiva
- **A clean product** – quick and easy to spray off

**Application**

Before | Applied VOCO Retraction Paste | After | Precise impression with V-Posil

Source: Prof. Dr. Jürgen Manhart, Munich / Germany

REF 1012 Caps 25 x 0.3 g
REF 1013 Caps 100 x 0.3 g
REF 9301 Dispenser – Caps

Not available in Canada

The paste is easy to apply and does reliably its job with regard to drying and expanding the sulcus. Even if you have a bleeding sulcus, you can make a great impression. VOCO Retraction Paste makes the impossible possible.

Dr. Bogdan Bratu, Romania
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

**Application**
- Excellent surface affinity
- No resistance on occlusion
- The bite registration can be easily trimmed with a scalpel

**LC Dam**
Light-curing gingival protection

**Indications**
- Covers and protects the gingiva and neighbouring teeth during whitening therapy carried out in the dental surgery (in-office whitening)

**Advantages**
- A composite-based, blue coloured gingiva protection
- Covers the gingiva down to the interdental papillae optimally, without flowing away
- No painful heat build-up during light polymerisation
- No shifting during treatment, easy removal in one piece afterwards

**SC self-curing auto mix Shore-A 90**
- REF 2035 Cartridge 2 x 50 ml, accessories
- REF 2036 Cartridge 8 x 50 ml, accessories
- REF 2158 Dispenser – type 2
- REF 2196 Mixing tips type 16, 50 pcs.
- REF 2140 Intraoral tips type 2, 50 pcs.

**LC Dam**
- REF 1655 Syringe 2 g, accessories
- Not available in Canada
Individo® Lux
Preformed individual impression trays, light-curing

**Indications**
Fabrication of individual trays from contoured plates for maxillae and mandibles

**Advantages**
- In blue transparent or blue opaque colour
- Allows precise and economic processing
- Stable trays
- Pleasant mint flavour
- Non-sticky consistency
- Light-cured with standard halogen light or UVA lights

**Indications**
Fabrication of gingiva shaded bases for wax models of complete and partial dentures
Fabrication of individual trays from contoured plates for maxillae and mandibles

**Advantages**
- Gingiva shade
- Simple and time-saving shaping by hand
- Permanent stability and compressive strength
- Pleasant mint flavour
- Non-sticky consistency
- Light-cured with standard halogen light or UVA lights
**Fit Test® C & B**

Addition-curing silicone material for checking of prosthetic reconstructions

**Indications**
Control of precision of fit, marginal adaptation and marginal gaps of
- full or partial crowns as well as bridges
- inlays / onlays
- cast post abutments / post crowns
- metal denture bases
- implant-supported crowns and bridges
- attachments and other secondary parts of dentures

**Advantages**
- Fast diagnostic help for all restorative pieces
- QuickMix syringe for simple handling
  - automatic bubble-free mixing
- Direct application
- Optimal colour for metal and ceramic restorations
- Fast results due to short working and setting time

**Cimara®**

Material for ceramic repair with light-curing composite

**ACID-FREE INTRAORAL CERAMIC REPAIR**

**Indications**
Intraoral repairs of defects in ceramic or composite veneer, fixed prosthetic work with metal frames

**Advantages**
- Acid-free ceramic repair in only one session
- No removal or re-cementation of restorative pieces
- Simple working steps
- No additional devices required
- Permanent bond of composite to porcelain
- High shear bonding strength

**REFERENCES**

**Fit Test® C & B**
- REF 2095 QuickMix syringe 5 ml, accessories
- REF 2261 Dispenser – QuickMix
- REF 2188 Mixing tips type 9, 50 pcs.
- REF 2191 Mixing tips type 11, only with intraoral tips type 1, 50 pcs.
- REF 2139 Intraoral tips type 1, 50 pcs.

**Cimara®**
- REF 1196 Set coupling silane 8 x 0.3 ml, adhesive bottle 4 ml, Opaque LC syringe 1.2 g, GrandioSO Caps 8 x 0.25 g (A1, 2 x A2, 2 x A3, A3.5, B2, GA3.25), accessories
- REF 1197 Coupling silane 4 x 0.3 ml, accessories
- REF 1198 Adhesive bottle 4 ml
- REF 1575 Opaque LC syringe 1.2 g, accessories
- REF 2147 Application cannulae type 45, 100 pcs.
- REF 2309 Disposable brushes for dental brush holder, 100 pcs.
- REF 2315 Mixing palettes, 20 pcs.
- REF 2338 Brush holder for VOCD disposable dental brushes and Micro Tim, 5 pcs.
The future of dentistry is digital. 3D printers play an ever-increasing role in the digital workflow of dental practices as well as laboratories. VOCO’s SolFlex series comprises sophisticated equipment in different sizes, offering possibilities for new processing dimensions.

But also, nothing really functions in the practice without those practical little helpers – be it application cannulae in different sizes, large or small devices for application of or subsequent working with products, as well as cleaning preparations or material for blocking out.
SolFex 170 HD
Additive manufacturing for digital dentistry

Advantages
• **Big build area** – but small base of the printer
• **Fast printing** – up to 120 mm/h\(^1\)
• **WIFI** – for a wireless transmission of printing data
• **Efficient** – cost-effective and durable replaceable film for the PowerVat

Technical Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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</thead>
<tbody>
<tr>
<td>Exposure technology</td>
<td>UV-LED DLP(^\text{®})</td>
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<tr>
<td>Base area</td>
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<td>Build area</td>
<td>68 × 121 mm (1 exposure area)</td>
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<td>Max. build height</td>
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<td>Building speed</td>
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<td>Precision</td>
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<tr>
<td>Weight</td>
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<tr>
<td>Connection</td>
<td>Ethernet, USB, WIFI</td>
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<tr>
<td>Max. building capacity</td>
<td>up to 3 / 6(^2) models, 3 / 6(^2) surgical guides, 6 / 12(^2) splints</td>
</tr>
</tbody>
</table>

Size printing platform

Advantages **PowerVat**
• Precise printing of solid objects e.g. models
• Processing of highly viscous materials
• Material storage in the PowerVat possible
• Cost-effective replaceable film

---

\(^1\) Pixel Size and Print Volume may vary.

\(^2\) Full arch splints, models or surgical guides. Printed on one or two levels with individual support.
OtoFlash

Polymerisation unit for light-curing resin materials

Advantages
- Short curing times thanks to 2 flash bulbs on the underside
- Reliably curing due to intensive light output in a wavelength range of 280 - 580 nm
- The device can optionally be supplied with protective gas equipment

Technical Data
- Dimensions of polymerisation chamber: 120 × 120 × 50 mm
- Rated voltage: 100, 117, 230 volt AC, adjustable by switch
- Power input: 250 watt
- Spectral distribution: 280 - 700 nm, maximum between 400 and 500 nm
- Flash frequency: 10 flashes per second
- Digital timer: adjustable from 1 to 9,999 flashes
- Dimensions: 310 × 310 × 140 mm
- Weight: 6 kg

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

REF 9140 Mixing device 230 V
Not available in Canada

REF 9133 Polymerisation unit
REF 9130 Polymerisation unit with connection for inert gas
REF 9132 Tray

OtoFlash

Polymerisation unit for light-curing resin materials

Advantages
- Short curing times thanks to 2 flash bulbs on the underside
- Reliably curing due to intensive light output in a wavelength range of 280 - 580 nm
- The device can optionally be supplied with protective gas equipment

Technical Data
- Dimensions of polymerisation chamber: 120 × 120 × 50 mm
- Rated voltage: 100, 117, 230 volt AC, adjustable by switch
- Power input: 250 watt
- Spectral distribution: 280 - 700 nm, maximum between 400 and 500 nm
- Flash frequency: 10 flashes per second
- Digital timer: adjustable from 1 to 9,999 flashes
- Dimensions: 310 × 310 × 140 mm
- Weight: 6 kg
VisCalor® Dispenser
Preheating dispenser for composite Caps

Indications
Warming and application of highly filled composites in Caps

Advantages
- Effective handling – rapid warming and immediate application in one device
- Homogeneous warming thanks to near-infrared technology
- Two programs (VisCalor bulk and additional VOCO composites)
- Handy design and ideal shape for reaching molar cavities
- Better adaptation of composites to cavity walls thanks to silkier consistency

Caps Warmer
Preheating device for composite Caps

Indications
Device for warming composite Caps

Advantages
- Allows brief warming of composite Caps
- The specially designed tray optimally encloses VOCO composite Caps, which ensures that they are warmed uniformly
- Increasing flowability and adjusting the handling properties of the composite
- Simultaneous warming of one dispenser with Cap and up to four individual Caps – also ideal for working with several shades
- Choice of 3 temperature settings – depending on the clinical situation and the required consistency

REF 9143 Preheating device
REF 9144 Changeable tops 2 pcs.
REF 9145 Protective foils 100 pcs.

REF 9001 Preheating device
**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

**Application**

**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.
VOCO GIC Mixer®
Capsule mixing device especially for glass ionomer cements

**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

REF 9050 Capsule mixing device

Dimanto®
One step diamond polisher for pre- and high-gloss polishing of composites

**Indications**
Pre-polishing and high gloss polishing of finished composite restorations

**Advantages**
- Excellent polishing results
- Suitable for all composites – also for those of the latest generation
- Diamond-interspersed for efficient polishing
- Minimised outlay for instruments; pre-polishing and high gloss polishing with only one polisher
- Autoclavable and thus reusable
- Available in five different shapes for precise and individual polishing
- Can be used with or without water cooling

REF 2380 Set 5 pcs. mixed (one each of small point, large point, small cup, large cup, lens)
REF 2381 Small point, 10 pcs.
REF 2382 Large point, 10 pcs.
REF 2383 Small cup, 10 pcs.
REF 2384 Large cup, 10 pcs.
REF 2385 Lens, 10 pcs.
**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

**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

**Block Out Gel LC**

Light-curing block out material

**Indications**
Blocking out of plaster models

**Advantages**
- Blue colour for simple application control
- Easy application directly from the syringe
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 alginates, 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

Traypurol® tabs
Active-tabs for cleaning impression trays and instruments

**Indications**
Self-acting cleaning of impression trays and instruments

**Advantages**
- Removes alginates 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.

Not available in Canada
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<tr>
<th><strong>Caps Dispenser</strong></th>
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<td>Dispenser to extrude dental materials from cartridges</td>
<td>Dispenser to extrude dental materials from cartridges</td>
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<th><strong>AC Applicator type 1</strong></th>
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<td>Dispenser to extrude dental materials from QuickMix syringes</td>
<td>Applicator for the direct administration of glass ionomer cement restorative and luting materials in application capsules (AC)</td>
<td>Applicator for the direct administration of glass ionomer cement restorative and luting materials in application capsules (AC)</td>
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<td>REF 2261 Dispenser – QuickMix</td>
<td>REF 2331 Applicator – AC type 1</td>
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<td>Device to activate VOCO application capsules (AC)</td>
<td>Dispenser for hygienic removal of application brushes – can be repeatedly refilled with two types of brushes</td>
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<td>Mixing tips type 7 for V-Posil Light Fast, V-Posil X-Light Fast, 50 pcs.</td>
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<td>Mixing tips type 8 for Ufi Gel hard C, Ufi Gel SC, 50 pcs.</td>
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<td>REF 2188</td>
<td>Mixing tips type 9 for Bifix Temp, Bifix Hybrid Abutment, Fit Test C &amp; B, 50 pcs.</td>
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<td>REF 2189</td>
<td>Mixing tips type 10 for Meron Plus QM, Provicol QM, Provicol QM Aesthetic, Provicol QM Plus, Quick Up, Structur 2 in the QuickMix syringe, Structur 3 in the QuickMix syringe, 50 pcs.</td>
</tr>
<tr>
<td>REF 2191</td>
<td>Mixing tips type 11 for Bifix Hybrid Abutment, Bifix QM, Fit Test C &amp; B only with intraoral tips type 1, Grandio Core Dual Cure in the QuickMix syringe, Rebilda DC in the QuickMix syringe, 50 pcs.</td>
</tr>
<tr>
<td>REF 2192</td>
<td>Mixing tips type 12 for Rebilda DC in cartridge, 50 pcs.</td>
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</tbody>
</table>

| Application aids | REF 2249 | Micro Tim, fine application brushes, 100 pcs. | REF 2247 | Single Tim, application brushes, 100 pcs. |
| REF 2309 | Disposable brushes for dental brush holder, 100 pcs. | REF 2246 | Endo Tim, application brushes, to be used in the root canal, 50 pcs. |
| REF 2338 | Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs. | REF 2245 | Easy Brush, application brushes, 50 pcs. |
### Application cannulae

| REF 2145 | Application cannulae type 40 for Fissurit F / FX, 100 pcs. |
| REF 2147 | Application cannulae type 45 for Amaris Gingiva, Cimara Opaquer LC, FinalTouch, GrandioSO Light Flow, Grandio Seal, 100 pcs. |
| REF 2146 | Application cannulae type 41 for Admira Fusion Flow, Bifix Hybrid Abutment, Calcimol LC, Grandio / SO Flow, Ionoseal, LC Dam, 100 pcs. |
| REF 2148 | Application cannulae type 46 for Admira Fusion x-base, Clip Flow, GrandioSO Heavy Flow, x-tra base, 100 pcs. |
| REF 2310 | Application cannulae type 42 for Vococid, 30 pcs. |
| REF 2131 | Application cannulae type 47 for Calicicur, 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 Admira Flow, Amaris Flow, Arabesk Flow, Block Out Gel LC, GrandioSO Light Flow, Quick Up LC, Twinky Star Flow, 100 pcs. |

### Intraoral tips

| REF 2133 | Intraoral tips type 6 for V-Posil Mono Fast, 50 pcs. |
| REF 2141 | Intraoral tips type 3 for Rebilda DC in cartridge, V-Posil Light Fast, V-Posil X-Light Fast, 50 pcs. |
| REF 2139 | Intraoral tips type 1 for Bifix Hybrid Abutment, Bifix QM, Bifix SE, Perfect Bleach Office+, to be used in the root canal with Rebilda DC in the QuickMix syringe, 50 pcs. |
| REF 2142 | Intraoral tips type 4 for Bifix Hybrid Abutment, Bifix QM, Grandio Core Dual Cure in the QuickMix syringe, Rebilda DC in the QuickMix syringe, 50 pcs. |
| REF 2140 | Intraoral tips type 2 for Registrado Clear, Registrado X-tra, 50 pcs. |

### Mixing spatulas · Mixing pads · Mixing palettes

| REF 2303 | Mixing pads 70 x 80 mm, with adhesive back, 4 pcs. |
| REF 2315 | Mixing palettes, 20 pcs. |
VOCO GmbH
Anton-Flettner-Straße 1-3
27472 Cuxhaven
Germany

Freecall: 00 800 44 444 555
Fax: +49 (0)4721-719-140

info@voco.com
www.voco.dental