WELCOME TO THE DENTALISTS!

Dear customers and business partners,

As a researching dental enterprise 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 a biocompatible filling material via bondings to long-term stable posts and 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 produce complete prosthesis with our new products CediTEC and V-Print dentbase in just one set - from the base to the prosthetic teeth to the luting material (more about this from page 52).

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 Ffacebook, Instagram and Youtube!

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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.

**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 fluoride 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.

**Indications for process monitoring**
- This device either already possesses, or can be upgraded with, sensors for printing process assurance.

**Information on material vat**
- This product uses the patented flexible vat technology for reduced peeling forces and a decreased requirement for support structures.

**Indication of wavelength**
- This material can be light-cured using a UV-LED light source with the wavelength shown.

**Format of communication data**
- This product processes the data format indicated.

**Non-sedimenting**
- This product is non-sedimenting. The product enables additive manufacturing of objects from homogeneous solution throughout the entire printing process.
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.
<table>
<thead>
<tr>
<th>Product Brand</th>
<th>Office</th>
<th>Home</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grandio Seal</td>
<td>Fissurit FX</td>
<td>899</td>
</tr>
</tbody>
</table>

- 70% w/w opaque
- •

**Fissure sealing**
- Bifluorid 10
- Remin Pro
- VOCO Profluorid Varnish
- Admira Protect

22,600 ppm
- mint, melon, strawberry, bubble gum, cola lime

**Flavor**
- Parfum

**Fluoridation · Desensitisation**
- Perfect Bleach
- Perfect Bleach Office+

35% / 16%
- 10% / 16%
- 15%

**Whitening**
- CleanJoy 7
- 7%
- 22%

**Fluoride content**
- Fluoridation

**Presentation**
- SingleDose, bottle
- SingleDose, tube
- SingleDose, cartridge

**Flavor**
- mint
- xylitol, "traffic light coding"

- Contains fluoride
- RDA values
- contains Xylitol
- contains fluoride
- contains fluoride

**Clinical**
- contains fluoride

**Clinical**
- contains fluoride

- 10% / 16%
- 15%
- 10% / 16%
- 15%

**Flavor**
- mint
- melon, caramel, cherry, bubble gum, cola lime

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

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

Advantages
• Stable, homogenous consistency
• No splashing (2,000 - 3,000 r / min)
• No parabens
• Available in three abrasion grades, thus can be individually adjusted to each situation
• RDA values (measured in accordance with DIN EN ISO 11609)
  – coarse (red) RDA = 195
  – medium (yellow) RDA = 127
  – fine (green) RDA = 16
• Traffic light coding: simple to use without confusion
• The green polishing paste has a very low grade of abrasion and is therefore also suitable for the care of implants
• Can be used with any conventional instrument (small brush, cup etc.)
• Contains fluoride (700 ppm) and xylitol (inhibiting effect on the metabolism of bacteria)
• Pleasant light mint flavour

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

Application
**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

**REF 1181** Syringe 2 x 2.5 g, accessories
**REF 2145** Application cannulae type 40, 100 pcs.
*Not available in Canada*

**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

**REF 1180** Bottle 2 x 3 ml
**REF 1292** Syringe 2 x 2 g, accessories
**REF 1293** Set syringe 5 x 2 g, Vococid gel syringe 5 ml, Vococid bottle 2 x 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**

[Images of application process]
Remin Pro®
Protective dental care with fluoride and hydroxy apatite

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

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

How it works

Hydroxy apatite – fills superficial enamel lesions

Xylitol – bacteriostatic effect of xylitol

Fluoride – open dentinal tubules are sealed

REF 2003 Tube 12 × 40 g melon
REF 2004 Tube 12 × 40 g mint
REF 2005 Tube 12 × 40 g strawberry
REF 2006 Tube 12 × 40 g mixed
REF 2007 Tube 3 × 40 g mixed
Not available in Canada
VOCO Profluorid® Varnish
Fluoride-containing dental desensitising varnish (5 % NaF)

Indications
Treatment of hypersensitive teeth
Treatment of sensitive root surfaces

Advantages
- Moisture tolerant
- Esthetic, tooth-shaded varnish
- Fast desensitisation and fluoride release (5 % NaF = 22,600 ppm fluoride)
- In six pleasant flavours available: melon, mint, cherry, caramel, bubble gum and cola lime
- Ideal for treating cervical areas after professional cleaning and calculus removal

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

Advantages of the cartridge
- Multiple use with disposable cannulae
- Perfectly precise application
- Extremely easy application in proximal areas
- Complete fluoride application in only a single step

Application

SingleDose

<table>
<thead>
<tr>
<th>Flavour</th>
<th>50 × 0.40 ml</th>
<th>200 × 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>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flavour</th>
<th>48 × 0.40 ml</th>
<th>50 × 0.25 ml</th>
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</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>

Cartridge

<table>
<thead>
<tr>
<th>Flavour</th>
<th>5 × 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

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

<table>
<thead>
<tr>
<th>Tube</th>
<th>Flavour</th>
<th>10 ml</th>
<th>50 ml</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flavour</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melon</td>
<td>REF 1267</td>
<td>REF 1272</td>
<td></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>NEW</td>
<td>REF 2236</td>
<td>–</td>
</tr>
<tr>
<td>Flavour</td>
<td>4 x 10 ml</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mixed</td>
<td>REF 2971</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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

Mini set
An attractive cosmetic bag contains four syringes of whitening gel, the storage box and the graphically assisted instructions for use.

Especially suitable for
- Dental practitioners who contract an external laboratory to fabricate the tray
- Patients who already own a whitening tray

Set
The set contains six syringes of whitening gel, the storage box, one syringe of Block Out Gel LC, the material for two trays and the grafically assisted instructions for use.

Especially suitable for
- Dental practitioners who fabricate the whitening gel tray in their own surgery

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
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
• Composite-based gingiva protection (LC Dam)
• No painful heat-loading from light-curing the gingiva protection

Clinical Case
Marginal, clinically perfect root filling, clearly visible discolouration in tooth 11
Palatinal view with applied gingiva protector LC Dam
Insertion of the whitening gel into the cavity with the enclosed fine cannula
Careful rinsing and aspiration of the whitening gel
Tight obturation of the cavity with a glass ionomer material
Aesthetically convincing result

Source: Dierk Thalmann, Cuxhaven / Germany
**Prophylaxis Set**

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

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

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

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

Product presentations may vary
Not available in Canada

**Notes**
Direct Restoration

**Stability. Aesthetics. Economy.**

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
- Antimicrobial effect due to high pH value (12.5)
- Calcium hydroxide content of 45%
- Radiopacity
- Promotes the formation of tertiary dentine
- Effective pulp protection

REF 1047 Tube 2 × 5 g
REF 1307 Syringe 2 × 2.5 g, accessories
REF 2146 Application cannulae type 41, 100 pcs.

REF 1093 Syringe 2.5 g, accessories
REF 1096 Syringe 3 × 2.5 g, accessories
REF 2131 Application cannulae type 47, 30 pcs.
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

Source: Dr. Marcelo Balsamo, São Paulo / Brazil
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

REF 1515 Bottle 5 ml, accessories
REF 1516 Bottle 3 × 5 ml
REF 1518 Futurabond M+ DCA – bottle 2 ml
REF 2246 Endo Tim, application brushes, to be used in the root canal, 50 pcs.
REF 2247 Single Tim, application brushes, 100 pcs.
REF 2315 Mixing palettes, 20 pcs.

REF 1350 Bottle 5 ml, accessories
REF 1351 Bottle 3 × 5 ml
REF 2247 Single Tim, application brushes, 100 pcs.
REF 2315 Mixing palettes, 20 pcs.
**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

**Ref**
- REF 1148 Bottle 2 x 4 ml (liquid A / liquid B), accessories
- REF 1152 SingleDose 50 pcs., accessories
- REF 1153 SingleDose 200 pcs., accessories
- REF 2247 Single Tim, application brushes, 100 pcs.
- REF 2315 Mixing palettes, 20 pcs.

---

**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

**Ref**
- REF 2432 Bottle 2 x 4 ml
- REF 2479 Bottle 4 ml

---

**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

**Ref**
- REF 1226 Bottle 2 x 4 ml
- REF 2249 Micro Tim, fine application brushes, 100 pcs.
- REF 2315 Mixing palettes, 20 pcs.
- REF 2338 Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs.
An overview of our glass ionomer restorative materials can be found on page 44.

<table>
<thead>
<tr>
<th>DeVICES ∙ VaRIOus</th>
<th>1 small</th>
<th>2 coloured, with glitter effect</th>
<th>3 molars / premolars</th>
<th>4 class I + II</th>
</tr>
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<tbody>
<tr>
<td>Admira Fusion</td>
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<tr>
<td>Admira Fusion Flow</td>
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<tr>
<td>Admira Fusion x-tra</td>
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<tr>
<td>Admira Fusion x-base</td>
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Restoratives (Composites)

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<thead>
<tr>
<th>GrandioSO</th>
<th>Light Flow</th>
<th>(low viscosity)</th>
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<tr>
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<td>(medium viscosity)</td>
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<td>GrandioSO Heavy Flow</td>
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<td>(high viscosity)</td>
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<tr>
<td>GrandioSO x-tra</td>
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<tr>
<td>VisCalor bulk</td>
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<tr>
<td>GrandioSO Flow</td>
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<td>Amaris / Amaris Flow</td>
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<td>x-tra base</td>
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<tr>
<td>Amaris x-tra fil</td>
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<td>Arabesk</td>
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<tr>
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<tr>
<td>Polofil Supra</td>
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</tbody>
</table>

| ORMOCER®s        |              |                               |                        |              |

| Composites       |              |                               |                        |              |

| Twinky Star / Flow | coloured / sparkling |                             |                        |              |

| Compomers         |              |                               |                        |              |

| Twinky Star / Flow | coloured / sparkling |                             |                        |              |

| Compomers         |              |                               |                        |              |

An overview of our glass ionomer restorative materials can be found on page 44.
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-palatinal 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 discolouration
• 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 discolouration
• 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
15 with the distal marginal ridge modelling complete
Completed restoration
Insufficient composite fillings of teeth 11 and 21
Application of increments using GrandioSO A3.5
Completed restoration

Source: Dr. Walter Denner, Fulda / Germany
Source: Dr. Sanzio Marques, Passos / Brazil
Grandio®SO Light Flow

Flowable nano-hybrid restorative material – low viscous

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

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

**Clinical Case**

*Initial situation: Enamel fracture on tooth 11*

*Pre-treatment of enamel fracture*

*Filling of defect with extra-fine cannula and GrandioSO Light Flow without excess residues*

*Final result after finishing*

Source: Dr. Walter Denner, Fulda / Germany
Grandio®SO Flow

Flowable universal nano-hybrid restorative material

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

Advantages
- Medium viscous flow composite, i.e. outstanding flow behaviour with complete wetting of the cavity walls
- Universal application – for indication-appropriate treatment of all cavity classes
- Physical properties superior to those of various other packable materials, e.g. hardness, stability, abrasion resistance
- Very high filler content of over 80 % w/w
- Safe and precise application
- 13 shades for aesthetic restorations – perfectly coordinated with GrandioSO
- High shade stability
- Very good polishability and durable brilliance
- Extremely high radiopacity (500 %AI) of the shade WO for especially good contrast to the tooth substance and to other restoratives
- Available in the non-dripping NDT®-syringe and Flow-Caps with flexible metal cannulae
Grandio®SO Heavy Flow

Flowable universal nano-hybrid restorative material – highly viscous

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

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

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

Source: Dr. Walter Denner, Fulda / Germany
**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

**Shade**
- Universal
- A1
- A2
- A3

**Caps**
- 16 × 0.25 g
- 80 × 0.25 g

**Shrinking**
- 1.4%

**Radiopacity**
- 420%

**Light-curing**
- 10-20 sec

**Syringe**
- 4 g
- 5 × 4 g

**Dispenser**
- Caps 16 × 0.25 g
- Caps 80 × 0.25 g

**REF**
- 2595
- 2596
- 2597
- 2598
- 2599
- 2714
- 2715
- 2716
- 2717
- 2719

---

**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

**Ref**
- 1168
- 1169

**Dispenser**
- Caps 5 × 55 mm
- Test Kit 5 glass fibre strands 55 mm each, model, application aids, GrandioSO Heavy Flow syringe 2 × 2 g A3, accessories
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
Polished and rehydrated class II cavities the day after filling placement
Applying the heated VisCalor bulk with its superb creamy consistency and slender cannula
Adapting the sculptable VisCalor bulk

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

<table>
<thead>
<tr>
<th>Shade</th>
<th>Syringe 4 g</th>
<th>Caps 20 x 0.25 g</th>
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<td>REF 1813</td>
<td>REF 1843</td>
</tr>
<tr>
<td>A4</td>
<td>REF 1814</td>
<td>REF 1844</td>
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<td>B1</td>
<td>REF 1824</td>
<td>REF 1854</td>
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<td>REF 1815</td>
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</table>
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
- Shape and shade correction for improved aesthetics
- 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
- Long resistance to ambient and chair light
- 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

Base shade

<table>
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<th>Opaque</th>
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<td>REF 1937</td>
<td>REF 1957</td>
</tr>
<tr>
<td>O Bleach</td>
<td>REF 1938</td>
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Enamel shade

<table>
<thead>
<tr>
<th>Translucent</th>
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<tr>
<td>Light, TL</td>
<td>REF 1940</td>
<td>REF 1960</td>
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<tr>
<td>Neutral, TN</td>
<td>REF 1941</td>
<td>REF 1961</td>
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<tr>
<td>Dark, TD</td>
<td>REF 1942</td>
<td>REF 1962</td>
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Amaris® Flow

<table>
<thead>
<tr>
<th>Special shade</th>
<th>Syringe 2 × 1.8 g</th>
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<tbody>
<tr>
<td>High translucent, HT</td>
<td>REF 1945</td>
</tr>
<tr>
<td>High opaque, HO</td>
<td>REF 1966</td>
</tr>
</tbody>
</table>

Note: 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
**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**
- A fully prepared cavity
- Coating of the cavity walls with Futurabond DC
- Start at the deepest point in the cavity ...
- ... and fill up to 4 mm with x-tra base
- Apply a 2 mm occlusal layer of GrandioSO
- Finished restoration
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
Filling the palatal cavity
Modeling the marginal ridge against the matrix
Finished treatment with x-tra fil

Source: Prof. 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

**Table of Contents**

### Arabesk
- **Shade**
- **Syringe 4 g**
- **Shade**
- **Syringe 4 g**

<table>
<thead>
<tr>
<th>Shade</th>
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<tbody>
<tr>
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<td>REF 1339</td>
<td>B2</td>
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<td>A2</td>
<td>REF 1340</td>
<td>B3</td>
<td>REF 1344</td>
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<tr>
<td>A3</td>
<td>REF 1341</td>
<td>Incisal</td>
<td>REF 1346</td>
</tr>
<tr>
<td>A3.5</td>
<td>REF 1342</td>
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</tbody>
</table>

**Arabesk Flow**

- **Shade**
- **Syringe 3 g**
- **Caps 25 × 0.25 g**

<table>
<thead>
<tr>
<th>Shade</th>
<th>Syringe 3 g</th>
<th>Caps 25 × 0.25 g</th>
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<tbody>
<tr>
<td>A2</td>
<td>REF 1563</td>
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</tr>
<tr>
<td>A3</td>
<td>REF 1564</td>
<td>REF 1561</td>
</tr>
<tr>
<td>A3.5</td>
<td>REF 1565</td>
<td>REF 1562</td>
</tr>
</tbody>
</table>
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

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

---

REF 1360  Set syringe 7 × 4 g (A1, A2, A3, A3.5, B2, B3, incisal), Vococid gel syringe 5 ml, Solobond M bottle 4 ml, accessories
REF 1373  Set syringe 3 × 4 g (A2, A3, A3.5), Vococid bottle 3 ml, Solobond M bottle 4 ml, accessories
REF 2107  Shade guide

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<th>Shade</th>
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<td>REF 1365</td>
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<tr>
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<td>B3</td>
<td>REF 1366</td>
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<td>A3</td>
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<tr>
<td>A3.5</td>
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</table>

REF 1058  Syringe 4 g
REF 1059  Caps 16 × 0.25 g
Not available in Canada
Twinky Star® · Twinky Star® Flow
Coloured light-curing compomer restorative material with glitter effect

Indications
Fillings in deciduous teeth

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

Compomer restoration – also an alternative for paediatric dentistry

Source: VOCO GmbH, Cuxhaven / Germany
An overview of our composite restorative materials can be found on page 24.

<table>
<thead>
<tr>
<th>Glass Ionomer Restorative Materials</th>
<th>Working Time (min.)</th>
<th>Setting Time (min.)</th>
<th>Light-Curing Glass Ionomer Restorative Materials</th>
<th>Kit</th>
<th>Price</th>
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<tr>
<td>Fast-setting glass ionomer cement</td>
<td>2</td>
<td>1</td>
<td>IonoStar Plus capsule</td>
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<td>IonoStar Molar capsule</td>
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<td>3-4</td>
<td>VOCO Ionofil Molar AC capsule</td>
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<td>Longhorn Plus capsule</td>
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<tr>
<td>Fast-setting glass ionomer cement</td>
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<td>IonoStar Molar handmix</td>
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<td>3-4</td>
<td>Longhorn Plus handmix</td>
<td>46</td>
<td></td>
</tr>
</tbody>
</table>

**Restoratives (Class Ionomer Materials)**
**Ionolux®**

Light-curing glass ionomer restorative material

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

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

**Clinical 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

**References**
- REF 2115  Set application capsule 50 pcs. (10 x A1, 10 x A2, 30 x A3)
- REF 2117  Application capsule 20 pcs. A1
- REF 2118  Application capsule 20 pcs. A2
- REF 2119  Application capsule 20 pcs. A3
- REF 2120  Application capsule 20 pcs. A3.5
- REF 2121  Application capsule 20 pcs. B1
- REF 2122  Application capsule 150 pcs. A2
- REF 2123  Application capsule 150 pcs. A3
- REF 1990  Powder / liquid (12 g / 5 ml) A1, accessories
- REF 1991  Powder / liquid (12 g / 5 ml) A2, accessories
- REF 1992  Powder / liquid (12 g / 5 ml) A3, accessories
- REF 2331  Applicator – AC type 1
- REF 2303  Mixing pads 70 x 80 mm, with adhesive back, 4 pcs.
- REF 2169  VOCO Trifill instrument, 10 pcs.
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

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 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

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

REF 1630 Set application capsule 48 pcs. (8 x A1, 8 x A2, 32 x 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 x 3 ml
REF 2331 Applicator – AC type 1
REF 9300 Activator – AC
REF 2169 VOCO Trifill instrument, 10 pcs.

REF 1447 Powder 15 g A1
REF 1442 Powder 15 g A2
REF 1443 Powder 15 g A3
REF 1448 Liquid 10 ml
REF 2168 VOCO mixing spatula for cements, 20 pcs.
REF 2169 VOCO Trifill instrument, 10 pcs.
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 1016 | Bottle 5 ml, accessories |
| REF 2245 | Easy Brush, application brushes, 50 pcs. |
| REF 2315 | Mixing palettes, 20 pcs. |
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.
**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**

![Size disc diagram]

**Sizes blocs**

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<thead>
<tr>
<th>No. 14L</th>
<th>No. 12</th>
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<tr>
<td>14.5 mm</td>
<td>10.4 mm</td>
</tr>
<tr>
<td>14.5 mm</td>
<td>12.4 mm</td>
</tr>
</tbody>
</table>

**Grandio® blocs**

REF 6000  Set blocks
2 × No. 12 (A2 LT, A3 HT),
3 × No. 14L (A3 LT, A3 HT,
A3.5 LT), Bifix GM QuickMix syringe 10 g universal,
Futurabond U SingleDose 5 pcs.,
Ceramic Bond bottle 5 ml,
Dimanto set, accessories

- **Low translucent (LT)**
  - A1 LT: REF 6003, REF 6018
  - A2 LT: REF 6004, REF 6019
  - A3 LT: REF 6005, REF 6020
  - A3.5 LT: REF 6006, REF 6021
  - B1 LT: REF 6007, REF 6022
  - C2 LT: REF 6008, REF 6023
  - BL LT: REF 6009, REF 6024

- **High translucent (HT)**
  - A1 HT: REF 6012, REF 6027
  - A2 HT: REF 6013, REF 6028
  - A3 HT: REF 6014, REF 6029
  - A3.5 HT: REF 6015, REF 6030

- **Shade**
  - Mixed*: REF 6033, REF 6034
  - *(1 each of A1 LT, B1 LT, C2 LT, BL LT, A1 HT)*

**Grandio® disc**

- **Low translucent (LT)**
  - A1 LT: REF 6050
  - A2 LT: REF 6051
  - A3 LT: REF 6052
  - A3.5 LT: REF 6053
  - B1 LT: REF 6054
  - C2 LT: REF 6055
  - BL LT: REF 6056

- **High translucent (HT)**
  - A1 HT: REF 6057
  - A2 HT: REF 6058
  - A3 HT: REF 6059
  - A3.5 HT: REF 6060
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

NEW

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

NEW

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

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
V-Print dentbase
Light-curing resin for the generative production of denture bases for removable dentures

Indications
Removable denture bases

Advantages
- Natural gingiva shade for ambitious aesthetics
- Precise and custom-fit for high wearing comfort
- Saves time during polishing – thanks to printed surface
- Universal – compatible with commercially available resin materials and composites
- High green strength for safe removal from the building platform
- Biocompatible

NEW

V-Print Try-In
Light-curing resin for the generative production of try-ins for prosthetics

Indications
Try-ins for total and partial prosthetics
Transfer and grinding templates
Correction impressions and occlusal impressions

Advantages
- Verification and possibility to assess the fit, occlusion, functionality, phonation and aesthetics before the production of prosthetics

NEW

REF 6048 Bottle 1000 g pink
Not available in Canada

REF 6049 Bottle 1000 g beige
Not available in Canada
V-Print SG
Light-curing resin for the generative production of dental surgical guides

Indications
Dental drilling templates

Advantages
• Medical device, class IIa
• Biocompatibility and neutral flavour ensure high level of patient acceptance
• 385 nm wavelength allows aesthetically pleasing clear-transparent print
• Dimensional stability and autoclavability for a high level of patient safety

REF 6043  Bottle 1000 g clear

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

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

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

REF 6044  Bottle 1000 g clear
V-Print model
Light-curing resin for the generative production of dental models

**Indications**
Dental working and presentation models

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

V-Print 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 form and edge stability – reliable checking of occlusion and lateral movements
- Finishing at an early stage – instrument-friendly finishing of objects in light-cured state
- High compatibility – can be used with commercially available phosphate-bonded investment materials
- Restorations free of impurities – V-Print cast burns without residue
<table>
<thead>
<tr>
<th>Luting material</th>
<th>QuickMix</th>
<th>syringe</th>
<th>capsule</th>
<th>handmix</th>
<th>GIC</th>
<th>resin reinforced</th>
<th>composite</th>
<th>QuickMix</th>
<th>cartridge</th>
<th>Bifix QM</th>
<th>Bifix SE</th>
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<tbody>
<tr>
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<td>QuickMix</td>
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<tr>
<td>Resiba DC composite</td>
<td>QuickMix</td>
<td>handmix</td>
<td>GIC</td>
<td>GIC</td>
<td>GIC</td>
<td>resin reinforced</td>
<td>composite</td>
<td>QuickMix</td>
<td>capsule</td>
<td>handmix</td>
<td>QuickMix</td>
</tr>
<tr>
<td>Aqua Meron</td>
<td>GIC</td>
<td>handmix</td>
<td>GIC</td>
<td>GIC</td>
<td>resin reinforced</td>
<td>composite</td>
<td>GIC</td>
<td>QuickMix</td>
<td>capsule</td>
<td>handmix</td>
<td>QuickMix</td>
</tr>
<tr>
<td>Meron</td>
<td>GIC</td>
<td>handmix</td>
<td>GIC</td>
<td>GIC</td>
<td>resin reinforced</td>
<td>composite</td>
<td>GIC</td>
<td>QuickMix</td>
<td>capsule</td>
<td>handmix</td>
<td>QuickMix</td>
</tr>
<tr>
<td>Meron Plus</td>
<td>GIC</td>
<td>capsule</td>
<td>GIC</td>
<td>GIC</td>
<td>resin reinforced</td>
<td>composite</td>
<td>GIC</td>
<td>QuickMix</td>
<td>capsule</td>
<td>handmix</td>
<td>QuickMix</td>
</tr>
<tr>
<td>Meron Plus GM</td>
<td>GIC</td>
<td>capsule</td>
<td>GIC</td>
<td>GIC</td>
<td>resin reinforced</td>
<td>composite</td>
<td>GIC</td>
<td>QuickMix</td>
<td>capsule</td>
<td>handmix</td>
<td>QuickMix</td>
</tr>
</tbody>
</table>
**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 removeable, 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

<table>
<thead>
<tr>
<th>REF</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>1217</td>
<td>Set QuickMix syringe 10 g (universal), Futurabond DC bottle 4 ml each of liquid 1 and 2, Ceramic Bond bottle 5 ml, accessories</td>
</tr>
<tr>
<td>1218</td>
<td>QuickMix syringe 10 g universal, accessories</td>
</tr>
<tr>
<td>1219</td>
<td>QuickMix syringe 10 g transparent, accessories</td>
</tr>
<tr>
<td>1759</td>
<td>QuickMix syringe 10 g white-opaque, accessories</td>
</tr>
<tr>
<td>2261</td>
<td>Dispenser – QuickMix</td>
</tr>
<tr>
<td>2191</td>
<td>Mixing tips type 11, 50 pcs.</td>
</tr>
<tr>
<td>2139</td>
<td>Intraoral tips type 1, 50 pcs., to be used in the root canal</td>
</tr>
<tr>
<td>2142</td>
<td>Intraoral tips type 4, 50 pcs.</td>
</tr>
</tbody>
</table>

Ceramic Bond

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

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

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

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

<table>
<thead>
<tr>
<th>REF</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>1106</td>
<td>Bottle 5 ml</td>
</tr>
<tr>
<td>1107</td>
<td>SingleDose 50 pcs., accessories</td>
</tr>
</tbody>
</table>
Meron Plus
Resin reinforced glass ionomer luting cement

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

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

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
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

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

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

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REF 1086 Set powder / liquid (35 g / 15 ml)
REF 1090 Set mini powder / liquid (15 g / 7 ml)

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REF 1172 Powder 35 g with dropping bottle
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.

Application

<table>
<thead>
<tr>
<th>Image</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implant with fitted attachments</td>
<td>Prosthetic base with the recesses for the attachments already created</td>
</tr>
<tr>
<td>Checking of attachments for fitting accuracy with Fit Test C &amp; B</td>
<td>Blocking out, covering of primary parts / gingiva with Fit Test C &amp; B</td>
</tr>
<tr>
<td>Applying Quick Up from the QuickMix syringe</td>
<td>Applying Quick Up LC to correct deficits and superficial defects</td>
</tr>
<tr>
<td>Luted attachment in the prosthesis</td>
<td></td>
</tr>
</tbody>
</table>
**BrackFix®**  
Light-curing bracket bonding system

**Indications**  
Direct bonding of orthodontic metal and ceramic brackets

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

**Clinical case**

**Etching of enamel surface**

**Application of BrackFix Primer**

**Simple and secure positioning on the tooth**

**Tooth 11 (upper right central incisor) prior to polymerisation and removal of excess adhesive**

**Illumination with UVA light following removal of brackets**

**Application of BrackFix Adhesive to bracket**

**Controlled removal of BrackFix residues**

**Final check with UVA light. No adhesive residues remain**

Source: Dr. Felipe Moura / Brazil
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 – dentine-like E-modulus

Posts illustrations are not the actual size.

Metal post – root fractures

Post illustrations are not the actual size.
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**

![Image of Rebilda® Post GT](image)

**Shortening after polymerisation**

![Number of single fibres](image)

<table>
<thead>
<tr>
<th>Number of single fibres</th>
<th>ø (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>0.8</td>
</tr>
<tr>
<td>6</td>
<td>1.0</td>
</tr>
<tr>
<td>9</td>
<td>1.2</td>
</tr>
<tr>
<td>12</td>
<td>1.4</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
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

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 with calcium hydroxide and bacteriostatic effect
**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

---

**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

---

**Structur Premium**

REF 2158 Dispenser – type 2
REF 2185 Mixing tips type 6 for cartridge, 50 pcs.

**Shade** | **Cartridge 75 g, mixing tips type 6**
--- | ---
A1 | REF 1712
A2 | REF 1713
A3 | REF 1714
A3.5 | REF 1717
B1 | REF 1718
B3 | REF 1715
BL | REF 1716

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**Bifix® Temp**

REF 1055 QuickMix syringe 5 ml universal, accessories
REF 2261 Dispenser – QuickMix
REF 2188 Mixing tips type 9, 50 pcs.
**Provicol® QM Aesthetic**

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

**NEW**

**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

---

**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**
- Increased strength for more retention and secure adhesion
- High level of radiopacity
- Semi-elastic properties for safe adhesion of the temporary
- Calcium hydroxide
  - supports the formation of tertiary dentine
  - bacteriostatic
- 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
**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
- Calcium hydroxide
  - supports the formation of tertiary dentine
  - bacteriostatic
- Ideal before adhesive luting with resin cements, because no inhibition of curing reaction of resin-based filling or luting materials

**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

**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
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

GRINDING OF EXCESS
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**
V-Posil Putty Fast · Heavy Soft Fast · Mono Fast

Precision impression material, VPS

Indications

V-Posil Putty 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
– relining impression 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 – good 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
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

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

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

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

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

REF 2402 Maxillae 50 pcs. blue opaque
REF 2403 Mandibles 50 pcs. blue opaque
REF 2408 Maxillae 50 pcs. blue transparent
REF 2409 Mandibles 50 pcs.

**Profibase**

Preformed transparent pink impression trays / base plates, light-curing

**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

REF 2111 Maxillae / mandibles 2 x 25 pcs.
REF 2112 Maxillae 50 pcs.
REF 2113 Mandibles 50 pcs.
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

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
The future of dentistry is digital. 3D printers play an ever-increasing role in the digital workflow of dental practices as well as laboratories. VO&O’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.
SolFlex 350 - 650

Additive manufacturing for digital dentistry

Advantages

- DLP-Technology with a long-lasting UV-LED light source enables printing of clear transparent items such as splints
- Maximized building speed with high process reliability due to SMP technology
- Patented Flex-Vat technology – increasing printing speed while minimizing support structures, saving time and material
- Precise printing of high-viscosity materials / solid object with the PowerVat
- High vat volume allows production over night
- Processing of widely-used STL format

Technical Data SolFlex 350

Base area 400 x 400 mm
Build area 64 x 120 mm (3 exposure areas)
Max. build height 130 mm
Layer thickness 25 - 200 μm
Building capacity up to 6 / 12** splints
Building speed up to 138 mm/h, depending on layer thickness, material etc.
Pixel size 50 μm*
Precision ± 25 μm

Technical Data SolFlex 650

Base area 400 x 400 mm
Build area 128 x 120 mm (6 exposure areas)
Max. build height 130 mm
Layer thickness 25 - 200 μm
Building capacity up to 12 / 24** splints
Building speed up to 138 mm/h, depending on layer thickness, material etc.
Pixel size 50 μm*
Precision ± 25 μm

* Pixel Size and Print Volume may vary.
** Full arch splints. Printed on one or two levels with individual support.

SolFlex 350
- REF 9102 3D printer
- REF 9103 SMP – 3D printer (incl. Sensor Technology)
- REF 9109 SMP Upgrade Kit
- REF 9111 Flex-Vat – flexible material reservoir
- REF 9115 Handle bar 350 / 650
  - Handle bar Flex-Vat
- REF 9121 Platform – Building platform

Accessories
- REF 9106 Starter Package
- REF 9107 Premium Starter Package
- REF 9130 Otoflash G171 – Polymerisation unit with connection for inert gas
- REF 9132 Otoflash G171 – Tray
- REF 9133 Otoflash G171 – Polymerisation unit

SolFlex 650
- REF 9104 3D printer
- REF 9105 SMP – 3D printer (incl. Sensor Technology)
- REF 9109 SMP Upgrade Kit
- REF 9112 Flex-Vat – flexible material reservoir
- REF 9113 PowerVat 650 – material reservoir
- REF 9114 PowerVat 650 – foils
- REF 9115 Handle bar 350 / 650
  - Handle bar Flex-Vat
- REF 9122 Platform – Building platform
- REF 9123 PowerVat 650
  - light protection cover

Accessories
- See SolFlex 350

1 for REF 9105
2 for REF 9104
SolFlex 170
Additive manufacturing for digital dentistry

Advantages
See SolFlex 350 - 650

Technical Data
Base area 296 × 318 mm
Build area 56 × 89 mm (1 exposure area)
Max. build height 120 mm
Layer thickness 25 - 300 μm
Building capacity up to 3 / 6** splints
Building speed up to 138 mm/h, depending on layer thickness material etc.
Pixel size 70 μm*
Precision ± 35 μm

* Pixel Size and Print Volume may vary.
** Full arch splints. 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
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

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

VOCO Dynamic Dispenser
Dynamic mixing device

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

Advantages
• Homogeneous, dynamic mixing of product components to ensure a consistently high material quality
• Bubble-free dispensing
• Fill level display
• 2 feed speeds
• Electronic residue detection
Celalux® 3
High-Power LED curing-light

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

**Advantages**
- 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

---

GIC Mixer
Capsule mixing device

**Indications**
Device for mixing powder and liquid in application capsules

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

---

**REF 1005**  Bottle 2 × 3 ml, accessories
**REF 2252**  Pele Tim, No. 1, 3.000 × Ø 4 mm
*Not available in Canada*

**REF 2250**  No. 0  3.000 × Ø 3 mm
**REF 2252**  No. 1  3.000 × Ø 4 mm
**REF 2253**  No. 2  1.000 × Ø 5 mm
**REF 2254**  No. 3  500 × Ø 8 mm
**REF 2255**  No. 4  500 × 6 × 8 mm
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

![Block Out Gel LC](image)

**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

![Dimanto](image)
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

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

REF 2289   Bottle 1 l
REF 2290   Canister 5 l
REF 2304   Dispenser pump – canister 5 l
*Not available in Canada*
**Caps Dispenser**
Direct application dispenser for dispensing restorative materials in Caps

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

**Dispenser type 3**
Dispenser to extrude dental materials from cartridges

- **REF 9301** Dispenser – Caps
- **REF 2158** Dispenser – type 2
- **REF 2259** Dispenser – type 3

**QuickMix Dispenser**
Dispenser to extrude dental materials from QuickMix syringes

**AC Applicator type 1**
Forceps-type applicator to directly apply the content of VOOCO application capsules (AC) into the cavity

**AC Applicator type 2**
Forceps-type applicator to directly apply the content of VOOCO application capsules (AC) into the cavity

- **REF 2261** Dispenser – QuickMix
- **REF 2331** Applicator – AC type 1
- **REF 2334** Applicator – AC type 2

**AC Activator**
Device to activate VOOCO application capsules (AC)

**Application brush dispenser**
Dispenser for hygienic removal of application brushes – can be repeatedly refilled with two types of brushes

- **REF 9300** Activator – AC
- **REF 2244** Dispenser – application brushes
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