

DENTAL PROGRAMME 2019 · 2020



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.

All of these are characteristics of our brand products – those in the segment of products for daily clinical use, as well as those for the digital workflow. VOCO offers quality for all areas of your practice, from maximal biocompatibility in a restorative material and problem-solving root posts to progressive composite blocks for CAD / CAM use and cutting-edge 3D printers.

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 case reports and lots more are also available at www.voco.dental.

Your VOCO GmbH

ORAL CARE

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| Disposable articles | 83 |
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ICONS

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.



Material composition

This product is based on nano-hybrid technology.



Curing of the material

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



Curing of the material

This product self-cures chemically. 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.



Method of application

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.



Method of application

Separate etching of the tooth surface is necessary before the adhesive system (bond) is used. For detailed information, please consult the instructions for use.



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.



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.



Volume shrinkage

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



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.



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.



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.



Fluoride content

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



Material compatibility

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



Application of the material

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



CAD / CAM

This product is suitable for use in digital dentistry. For detailed information, please consult the instructions for use.



Indication of retention time in the mouth

This product is retained in the mouth for the minimum duration shown.



Indication of working time

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



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.



Application of the material

When heated, the viscosity of this material changes, thus uniting the respective advantages of flowable and sculptable materials. Specifically designed to be heated for use.

Oral Care

Protection. Care. Conservation.

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



Oral Care

| Cleaning | | | | |
|----------|-------------------|---------------------------------------|---------|--|
| Page | contains fluoride | RDA values | flavour | special characteristics |
| 7 | Cleanjoy 700 ppm | coarse (195), medium (127), fine (16) | mint | SingleDose, tube xyliol, "traffic light coding" |

| Fissure sealing | | | | |
|-----------------|-----------------------|--------|--|--|
| Page | % w/w | opaque | | |
| 8 | Grandio Seal 70 % w/w | • | | |
| 9 | Fissurt FX 55 % w/w | • | | |
| 9 | Fissurt F n/s | • | | |

| Fluoridation · Desensitisation | | | | |
|--------------------------------|---------------------------|-----------------|------------------|-----------------------------|
| Page | fluoridation | desensitisation | fluoride content | presentation |
| 10 | Bifluorid 10 • | • | 22,600 ppm | SingleDose, bottle |
| 10 | Bifluorid 5 • | • | 11,300 ppm | SingleDose, bottle |
| 11 | Remin Pro • | • | 1,450 ppm | tube |
| 12 | VOCO Profluorid Varnish • | • | 22,600 ppm | SingleDose, tube, cartridge |
| 13 | Admira Protect | • | • | SingleDose, bottle |
| | | | | clinical |

| Whitening | | | | |
|-----------|----------------------------|----------------------|------|--------|
| Page | carbamide peroxide | hydrogen peroxide | home | office |
| 14 | Perfect Bleach 10 % / 16 % | equiv. to 3,5 % / 6% | • | • |
| 15 | Perfect Bleach Office+ | 35 % | | • |

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 of orthodontic devices

Cleaning and polishing of restorations as part of professional tooth cleaning

Removal of residues of temporary luting material prior to definitive bonding (cementation)

Advantages

- Stable, homogenous consistency
- No splashing (2,000 - 3,000 r / min)
- No parabens
- Available in three abrasion grades, thus can be individually adjusted to each situation
- RDA values (measured in accordance with DIN EN ISO 11609)
 - coarse (red) RDA = 195
 - medium (yellow) RDA = 127
 - fine (green) RDA = 16
- Traffic light coding: simple to use without confusion
- 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



| | |
|----------|---|
| REF 2092 | Tube 100 g coarse (red) |
| REF 2091 | Tube 100 g medium (yellow) |
| REF 2090 | Tube 100 g fine (green) |
| REF 2089 | Tube 4 x 100 g fine (green) |
| REF 2098 | <i>SingleDose</i> 200 x 2 g coarse (red) |
| REF 2097 | <i>SingleDose</i> 200 x 2 g medium (yellow) |
| REF 2096 | <i>SingleDose</i> 200 x 2 g fine (green) |

Not available in Canada

Professional cleaning

Fissure sealing

Prophylaxis

Desensitiser

Whitening

Prophylaxis Set

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

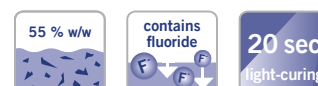
Sealing of fissures and occlusal surfaces for caries prophylaxis

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

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

| | |
|----------|---|
| REF 1615 | Bottle 4 g, Solvent bottle 10 ml |
| REF 1616 | Bottle 10 g |
| REF 1617 | Bottle 3 × 10 g, Solvent bottle 10 ml, Pele Tim No. 1 |
| REF 1618 | <i>SingleDose</i> 50 pcs., accessories |
| REF 1619 | <i>SingleDose</i> 200 pcs., accessories |
| REF 1032 | Solvent bottle 10 ml |
| REF 2338 | Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs. |
| REF 2249 | Micro Tim, fine application brushes, 100 pcs. |
| REF 2252 | Pele Tim, No. 1, 3.000 × ø 4 mm |

Not available in Canada

Bifluorid 5

Fluoride varnish for the treatment of dental hypersensitivity



Indications

For the treatment of hypersensitive necks of teeth and crown edges

For fluoridation of dental enamel and desensitisation after grinding single or several teeth

Advantages

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

| | |
|----------|---|
| REF 1333 | Bottle 10 g |
| REF 1335 | Bottle 4 g, Solvent bottle 10 ml |
| REF 1336 | Bottle 3 × 10 g, Solvent bottle 10 ml, Pele Tim No. 1 |
| REF 1330 | <i>SingleDose</i> 50 pcs., accessories |
| REF 1331 | <i>SingleDose</i> 200 pcs., accessories |
| REF 1032 | Solvent bottle 10 ml |

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

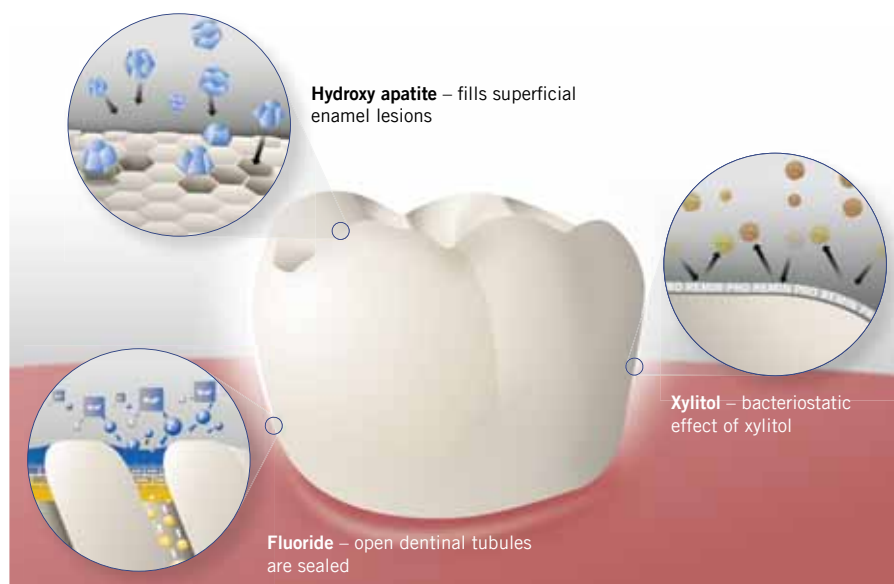
- Contains fluoride (1,450 ppm), hydroxy apatite and xylitol
- Provides a balanced oral flora and thus protects the teeth against harmful acid attacks
- Strengthens the teeth after whitening and professional cleaning
- Cariostatic properties from the contained xylitol
- Available in three aromatic flavours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



| | |
|----------|---------------------------|
| 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 |

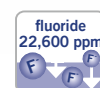
Not available in Canada

How it works



VOCO Profluorid® Varnish

Fluoride-containing dental desensitising varnish (5 % NaF)



Indications

Treatment of hypersensitive teeth

Sealing the dentinal tubules, e.g. for cavity preparations or on sensitive root surfaces

Advantages

- Easy to apply on wet tooth surfaces
- Esthetic, tooth-shaded varnish
- Fast desensitisation and fluoride release (5 % NaF \triangleq 22,600 ppm fluoride)
- In five pleasant flavours available: melon, mint, cherry, caramel and bubble gum
- 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



| | | |
|--|---|----------------------|
| <i>SingleDose</i> | | |
| Flavour | 50 × 0.40 ml | 200 × 0.40 ml |
| Melon | REF 1269 | REF 1271 |
| Caramel | REF 2226 | REF 2229 |
| Cherry | REF 2227 | REF 2230 |
| Mint | REF 2228 | REF 2231 |
| Bubble gum | REF 2238 | REF 2239 |
| Flavour | 48 × 0.40 ml | 50 × 0.25 ml |
| Melon | – | REF 1268 |
| Mixed* | REF 2225 | – |
| Cartridge | | |
| Flavour | 5 × 1.70 ml | |
| Melon | REF 2235 | |
| REF 2167 | Application cannulae type 43, 100 pcs. | |
| *(12 each of melon, caramel, cherry, mint) | | |
| <i>REF 1272 and 2235 are not available in Canada</i> | | |

VOCO Profluorid® Varnish

Fluoride-containing dental desensitising varnish (5 % NaF)

Indications

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

Advantages

- Easy to apply on wet tooth surfaces
- Esthetic, tooth-shaded varnish
- Economical application in thin layers, high yield
- Ideal for treating cervical areas after professional cleaning and calculus removal



| Tube | 10 ml | 50 ml |
|----------------|------------------|----------|
| Flavour | | |
| Melon | REF 1267 | REF 1272 |
| Caramel | REF 2232 | – |
| Cherry | REF 2233 | – |
| Mint | REF 2234 | – |
| Flavour | 4 x 10 ml | |
| Mixed | REF 2971 | |

Admira® Protect

Light-curing ORMOCER® based protective desensitiser



Indications

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

Advantages

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

Admira® Protect in practical SingleDose

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



| | |
|----------|---|
| REF 1650 | Bottle 4.5 ml, accessories |
| REF 1651 | SingleDose 50 pcs., accessories |
| REF 1652 | SingleDose 200 pcs., accessories |
| REF 2338 | Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs. |
| REF 2249 | Micro Tim, fine application brushes, 100 pcs. |

Perfect Bleach®

Whitening gel for discoloured teeth (10 % / 16 % carbamide peroxide)



Indications

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

Advantages

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

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

3.5 %
H₂O₂

6 %
H₂O₂

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



35 %
H₂O₂

auto
mix

| | |
|----------|--|
| REF 1672 | Set QuickMix syringe 2 × 4 ml, LC Dam syringe 2 × 2 g, accessories |
| REF 1673 | QuickMix syringe 4 ml, accessories |
| REF 1655 | LC Dam syringe 2 g, accessories |
| REF 2194 | Mixing tips type 14, 50 pcs. |
| REF 2195 | Mixing tips type 15 (with intraoral tips type 1), 50 pcs. |
| REF 2146 | Application cannulae type 41, 100 pcs. |

Not available in Canada, Ireland and United Kingdom

Clinical Case



Marginal, clinically perfect root filling, clearly visible discolouration in tooth 11



Palatal 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



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



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

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 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

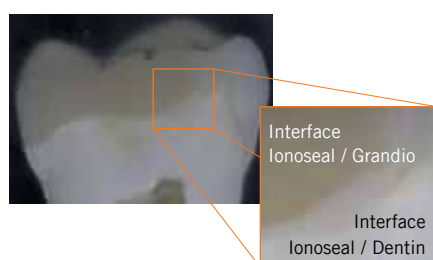
Lining under all types of filling material
Extended fissure sealing
Restoration of smaller lesions

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



| | |
|----------|--|
| REF 1126 | Tube 2 × 4 g |
| REF 1326 | Syringe 3 × 2.5 g, accessories |
| REF 2146 | Application cannulae type 41, 100 pcs. |



High radiopacity of Ionoseal, shown on the 28



Gap-free link between hard dental tissue, Ionoseal and the restorative (Grandio) – cross-cut microscope picture

Clinical Case



Prepared cavity



Direct application Ionoseal



Finished lining



Final restoration

Source: Dr. Marcelo Balsamo, São Paulo / Brazil

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

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

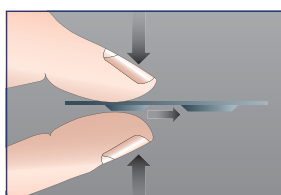
Advantages

- 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!



| | |
|----------|---|
| REF 1571 | <i>SingleDose</i> 50 pcs., accessories |
| REF 1572 | <i>SingleDose</i> 200 pcs., accessories |
| REF 1574 | <i>SingleDose</i> trial pack (<i>SingleDose</i> 20 pcs., Vococid gel syringe 2 ml, accessories) |
| REF 2246 | Endo Tim, application brushes, to be used in the root canal, 50 pcs. |
| REF 2247 | Single Tim, application brushes, 100 pcs. |

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. |

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

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



| | |
|----------|--|
| REF 1163 | Bottle 2 × 4 ml (liquid 1 / liquid 2), accessories |
| REF 1164 | <i>SingleDose</i> 50 pcs., accessories |
| REF 1165 | <i>SingleDose</i> 200 pcs., accessories |
| 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. |

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



| | |
|----------|--|
| REF 1063 | Syringe 5 ml, accessories |
| REF 1224 | Syringe 5 × 2 ml, accessories |
| REF 1256 | Empty syringe 10 × 2 ml |
| REF 1257 | Syringe 60 ml, empty syringe 2 × 2 ml, accessories |
| REF 2310 | Application cannulae type 42, 30 pcs. |
| REF 2132 | Application cannulae type 48, 50 pcs. |

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 1148 | Bottle 2 × 4 ml (liquid A / liquid B), accessories |
| REF 1152 | <i>SingleDose</i> 50 pcs., accessories |
| REF 1153 | <i>SingleDose</i> 200 pcs., accessories |
| REF 2247 | Single Tim, application brushes, 100 pcs. |
| REF 2315 | Mixing palettes, 20 pcs. |

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 1226 | Bottle 2 × 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. |



Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

Restoratives (Composites)

| | | | cavity class | | | | | | | | | | | | shades | | | | | |
|------------|---------------------------------------|---------------------------------------|----------------|----|-----|----|---|--------------|-----------------|--------------------------------|---------------|----------------------------------|----------------|-----------|-------------|---------------------|----------------|------------------------|--|--|
| Page | | | I | II | III | IV | V | base / liner | fissure sealing | restoration of deciduous teeth | core build-up | indirect inlays, onlays, veneers | opaque | universal | translucent | form of application | material class | filler content [% w/w] | | |
| ORMOCER®s | | | | | | | | | | | | | | | | | | | | |
| 25 | Admira Fusion | universal / aesthetic / biocompatible | • | • | • | • | • | | | • | • | • | 4 | 13 | 1 | syringe, Caps | nano-hybrid | 84 | | |
| 26 | Admira Fusion Flow | universal / aesthetic / biocompatible | | | • | • | • | • | | • | | | 2 | 9 | 1 | NDT® syringe | nano-hybrid | 74 | | |
| 27 | Admira Fusion x-tra | bulk fill / biocompatible | • | • | | | • | | | • | • | | | 1 | | syringe, Caps | nano-hybrid | 84 | | |
| 28 | Admira Fusion x-base | bulk fill / biocompatible | • ¹ | • | | | • | • | | • | | | | 1 | | NDT® syringe | nano-hybrid | 72 | | |
| Composites | | | | | | | | | | | | | | | | | | | | |
| 29 | GrandioSO | universal / aesthetic | • | • | • | • | • | | | • | • | • | 3 | 13 | 1 | syringe, Caps | nano-hybrid | 89 | | |
| 30 | GrandioSO Flow (medium viscosity) | universal / aesthetic | • | • | • | • | • | • | | • | | | 2 | 10 | 1 | NDT® syringe, Caps | nano-hybrid | 81 | | |
| 31 | GrandioSO Heavy Flow (high viscosity) | universal / aesthetic | • | • | • | • | • | • | | • | | | 2 | 10 | 1 | NDT® syringe, Caps | nano-hybrid | 83 | | |
| 32 | GrandioSO x-tra | bulk fill | • | • | | | • | | | • | • | | | 4 | | syringe, Caps | nano-hybrid | 86 | | |
| 33 | Grandio | universal | • | • | • | • | • | | | • | • | • | 2 | 13 | 1 | syringe, Caps | nano-hybrid | 87 | | |
| 34 | Grandio Flow | universal | • ¹ | • | • | • | • | • | | | | | 2 | 10 | | NDT® syringe, Caps | nano-hybrid | 80 | | |
| 35 | Amaris / Amaris Flow | highly aesthetic / 2-layer system | • | • | • | • | • | | | | | • | 7 | | 4 | syringe, Caps | micro-hybrid | 80 | | |
| 36 | Amaris Gingiva | highly aesthetic / gingiva-coloured | | | | | • | | | | | | 3 | 1 | | syringe | micro-hybrid | 80 | | |
| 37 | VisCalor bulk | bulk fill | • | • | | | • | | | • | • | | | 4 | | Caps | nano-hybrid | 83 | | |
| 38 | x-tra base | bulk fill | • ¹ | | • | | • | • | | | • | | | 2 | | NDT® syringe, Caps | micro-hybrid | 75 | | |
| 39 | x-tra fil | bulk fill | • | • | | | | | | | • | | | 1 | | syringe, Caps | micro-hybrid | 86 | | |
| 40 | Arabesk | | • | • | • | • | • | | | | | • | | 6 | 1 | syringe | micro-hybrid | 77 | | |
| 40 | Arabesk Flow | | | | • | • | • | • | | • | | | | 3 | | syringe, Caps | micro-hybrid | 64 | | |
| 41 | Polofil Supra | | • | • | • | • | • | | | | | • | | 6 | 1 | syringe | micro-hybrid | 77 | | |
| Compomers | | | | | | | | | | | | | | | | | | | | |
| 41 | Twinky Star | coloured / sparkling | | | | | | | | • | | | 8 ² | | | Caps | compomer | 78 | | |
| 41 | Twinky Star Flow | coloured / sparkling | | | | | | | | • | | | 2 ² | | | NDT® syringe | compomer | 65 | | |

¹ small ² coloured, with glitter effect

An overview of our glass ionomer restorative materials can be found on page 42.

Admira® Fusion

Universal nano-hybrid ORMOCER® restorative material



Indications

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

Advantages

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

Clinical Case



Insufficient amalgam restorations in teeth 46 and 47

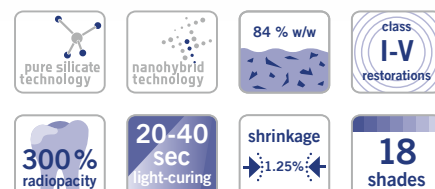


Modeling of the material which is still malleable at this stage



Finished, polished restorations

Source: Dr. Sanzio Marques, Passos / Brazil



| REF 2750 | Set + bond syringe 5 × 3 g (A2, A3, GA3.25, A3.5, Admira Fusion x-tra), shade guide + Futurabond U SingleDose 20 pcs., accessories | |
|----------|---|-----------------|
| REF 2778 | Trial kit Caps 9 × 0.2 g (3 each of A2, A3, A3.5), Admira Fusion Flow syringe 2 g A3, Admira Fusion x-tra Caps 3 × 0.2 g universal, accessories | |
| REF 2780 | Set + bond Caps 75 × 0.2 g (15 each of A2, A3, GA3.25, A3.5, Admira Fusion x-tra), shade guide + Futurabond U SingleDose 20 pcs., accessories | |
| REF 2752 | Shade guide | |
| REF 9301 | Dispenser – Caps | |
| Shade | Syringe 3 g | Caps 15 × 0.2 g |
| A1 | REF 2754 | REF 2782 |
| A2 | REF 2755 | REF 2783 |
| A3 | REF 2756 | REF 2784 |
| A3.5 | REF 2758 | REF 2786 |
| A4 | REF 2759 | REF 2787 |
| B1 | REF 2762 | REF 2790 |
| B2 | REF 2763 | REF 2791 |
| B3 | REF 2764 | REF 2792 |
| C2 | REF 2766 | REF 2794 |
| D3 | REF 2768 | REF 2796 |
| OA1 | REF 2770 | REF 2798 |
| OA2 | REF 2771 | REF 2799 |
| OA3 | REF 2772 | REF 2800 |
| OA3.5 | REF 2773 | REF 2801 |
| BL | REF 2775 | REF 2803 |
| Incisal | REF 2776 | REF 2804 |
| GA3.25 | REF 2757 | REF 2785 |
| GA5 | REF 2760 | REF 2788 |
| Mixed | – | REF 2806* |

*(3 each of B1, B3, D3, BL, Incisal)

Liner

Bonding

Restoratives (ORMOCER®S)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

Admira® Fusion Flow

Flowable light-curing nano-hybrid ORMOCER® restorative material

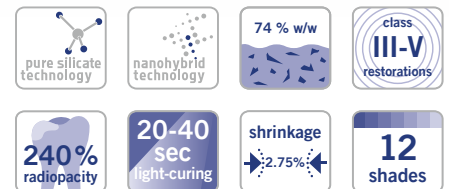


Indications

- 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



REF 2816 Set syringe 5 × 2 g (A1, A2, A3, A3.5, WO), shade guide, accessories

REF 2146 Application cannulae type 41, 100 pcs.

| Shade | Syringe 2 × 2 g |
|---------|-----------------|
| A1 | REF 2818 |
| A2 | REF 2819 |
| A3 | REF 2820 |
| A3.5 | REF 2821 |
| A4 | REF 2822 |
| B1 | REF 2824 |
| B2 | REF 2825 |
| C2 | REF 2826 |
| Incisal | REF 2828 |
| OA2 | REF 2829 |
| BL | REF 2831 |
| WO | REF 2832 |

Clinical Case



Mesial caries on tooth 12, disto-palatal caries on tooth 11



Simple application and optimal wetting behaviour of Admira Fusion Flow



Outstanding result created with Admira Fusion Flow / Admira Fusion

Source: Dr. Walter Denner, Fulda / Germany

Admira® Fusion x-tra

Nano-hybrid ORMOCER® restorative material, 4 mm



Indications

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

Advantages

- Purely ceramic-based, bulk fill restorative material
- Fast and high-quality – reliable curing of 4 mm layers
- Thanks to the most innovative ORMOCER® technology
 - by far the lowest polymerisation shrinkage (1.25 % by volume) and particularly low level of shrinkage stress, providing optimal marginal integrity
 - inert, so excellent biocompatible and extremely resistant to 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



| | |
|----------|---------------------------|
| REF 2810 | Syringe 3 g universal |
| REF 2811 | Caps 15 × 0.2 g universal |
| REF 9301 | Dispenser – Caps |

Liner

Bonding

Restoratives
(ORMOCER®S)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives
(Glass ionomer materials)

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 blackout

Repair of small enamel defects

Repair of small defects in aesthetic indirect restorations

Repair of temporary C&B-materials

Core build-up



| | |
|----------|--|
| REF 2812 | Syringe 2 × 2 g universal, accessories |
| REF 2148 | Application cannulae type 46, 100 pcs. |

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 for outstanding adaption
- Excellent handling, even in difficult-to-access areas
- Available in the non-dripping NDT®-syringe
- Compatible with all conventional bonding agents and composites / ORMOCER® restorative materials

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 2432 | Bottle 2 × 4 ml |
| REF 2479 | Bottle 4 ml |



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



15 with the distal marginal ridge modelling complete



Completed restoration

Source: Dr. Walter Denner, Fulda / Germany



Insufficient composite fillings of teeth 11 and 21



Application of increments using GrandioSO A3.5



Completed restoration

Source: Dr. Sanzio Marques, Passos / Brazil



| REF 2600 | Set syringe 5 × 4 g (A2, A3, A3.5, GA3.25, GA5), shade guide | |
|----------|--|------------------|
| REF 2601 | Set + bond syringe 5 × 4 g (A2, A3, A3.5, GA3.25, GA5), shade guide + Futurabond NR <i>SingleDose</i> 50 pcs., accessories | |
| REF 2640 | Set Caps 80 × 0.25 g (16 each of A2, A3, A3.5, GA3.25, GA5), shade guide | |
| REF 2607 | Shade guide | |
| REF 9301 | Dispenser – Caps | |
| Shade | Syringe 4 g | Caps 16 × 0.25 g |
| A1 | REF 2610 | REF 2650 |
| A2 | REF 2611 | REF 2651 |
| A3 | REF 2612 | REF 2652 |
| A3.5 | REF 2614 | REF 2654 |
| A4 | REF 2615 | REF 2655 |
| B1 | REF 2619 | REF 2659 |
| B2 | REF 2620 | REF 2660 |
| B3 | REF 2621 | REF 2661 |
| C2 | REF 2624 | REF 2664 |
| D3 | REF 2627 | REF 2667 |
| Incisal | REF 2629 | REF 2669 |
| OA1 | REF 2630 | REF 2670 |
| OA2 | REF 2631 | REF 2671 |
| OA3.5 | REF 2633 | REF 2673 |
| BL | REF 2635 | REF 2675 |
| GA3.25 | REF 2613 | REF 2653 |
| GA5 | REF 2616 | REF 2656 |

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

Grandio®SO Flow

Flowable universal nano-hybrid restorative material

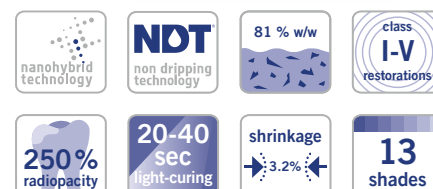


Indications

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

Advantages

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



| | |
|----------|--|
| REF 2720 | Set syringe 5 × 2 g (A1, A2, A3, A3.5, WO), shade guide, accessories |
| REF 2607 | Shade guide |
| REF 9301 | Dispenser – Caps |
| REF 2146 | Application cannulae type 41, 100 pcs. |

| Shade | Syringe 2 × 2 g | Caps 16 × 0.25 g |
|---------|-----------------|------------------|
| A1 | REF 2722 | REF 2742 |
| A2 | REF 2723 | REF 2743 |
| A3 | REF 2724 | REF 2744 |
| A3.5 | REF 2725 | REF 2745 |
| A4 | REF 2726 | REF 2746 |
| B1 | REF 2729 | REF 2749 |
| B2 | REF 2730 | – |
| C2 | REF 2732 | – |
| Incisal | REF 2733 | – |
| OA2 | REF 2734 | – |
| BL | REF 2736 | – |
| WO | REF 2737 | – |
| GA5 | REF 2727 | – |

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



| | |
|----------|---|
| REF 2680 | Set syringe 5 × 2 g (A2, A3, A3.5, WO, GA5), shade guide, accessories |
| REF 2607 | Shade guide |
| REF 9301 | Dispenser – Caps |
| REF 2148 | Application cannulae type 46, 100 pcs. |

| Shade | Syringe 2 × 2 g | Caps 16 × 0.25 g |
|---------|-----------------|------------------|
| A1 | REF 2684 | REF 2704 |
| A2 | REF 2685 | REF 2705 |
| A3 | REF 2686 | REF 2706 |
| A3.5 | REF 2687 | REF 2707 |
| A4 | REF 2688 | REF 2708 |
| B1 | REF 2690 | REF 2712 |
| B2 | REF 2691 | – |
| C2 | REF 2692 | – |
| OA2 | REF 2693 | – |
| Incisal | REF 2694 | – |
| BL | REF 2695 | – |
| WO | REF 2696 | – |
| GA5 | REF 2689 | – |

Source: Dr. Walter Denner, Fulda / Germany

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

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



REF 9301 Dispenser – Caps

| Shade | Syringe 4 g | Caps 16 x 0.25 g |
|-----------|-----------------|------------------|
| Universal | REF 2595 | REF 2714 |
| A1 | REF 2596 | REF 2715 |
| A2 | REF 2597 | REF 2716 |
| A3 | REF 2598 | REF 2717 |
| Shade | Syringe 5 x 4 g | Caps 80 x 0.25 g |
| A3 | REF 2599 | REF 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

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

Advantages

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

| | |
|----------|--|
| REF 1168 | Glass fibre strands 5 x 55 mm |
| REF 1169 | Test Kit 5 glass fibre strands 55 mm each, model, application aids, GrandioSO Heavy Flow syringe 2 x 2 g A3, accessories |

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



| | |
|----------|---|
| REF 1800 | Set syringe 5 × 4 g (A1, A2, A3, A3.5, B2), shade guide |
| REF 1801 | Set + bond syringe 5 × 4 g (A1, A2, A3, A3.5, B2), shade guide + Futurabond NR <i>SingleDose</i> 50 pcs., accessories |
| REF 1805 | Syringe 10 × 4 g A3 |
| REF 1830 | Set Caps 50 × 0.25 g (10 each of A1, A2, A3, A3.5, B2), shade guide |
| REF 1899 | Shade guide |
| REF 9301 | Dispenser – Caps |

| Shade | Syringe 4 g | Caps 20 × 0.25 g |
|---------|-------------|------------------|
| A1 | REF 1810 | REF 1840 |
| A2 | REF 1811 | REF 1841 |
| A3 | REF 1812 | REF 1842 |
| A3.5 | REF 1813 | REF 1843 |
| A4 | REF 1814 | REF 1844 |
| B1 | REF 1824 | REF 1854 |
| B2 | REF 1815 | REF 1845 |
| B3 | REF 1816 | REF 1846 |
| C2 | REF 1817 | REF 1847 |
| C3 | REF 1818 | REF 1848 |
| D2 | REF 1825 | REF 1855 |
| D3 | REF 1819 | REF 1849 |
| Incisal | REF 1820 | REF 1850 |
| OA2 | REF 1821 | REF 1851 |
| OA3.5 | REF 1822 | REF 1852 |
| BL | REF 1823 | REF 1853 |

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

Grandio® Flow

Flowable universal nano-hybrid restorative material



Indications

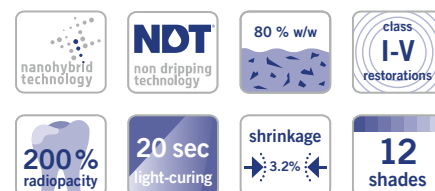
- Filling minimally invasive cavities of all classes
- Filling small class I cavities and extended fissure sealing
- Filling class II - V cavities including V-shaped defects and cervical caries
- Blocking out undercuts
- Lining or coating cavities
- Repairing fillings and veneers
- Luting translucent 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



- REF 1860 Set syringe 8 × 2 g (A1, 2 × A2, 2 × A3, A3.5, B2, OA2), shade guide, accessories
- REF 1899 Shade guide
- REF 9301 Dispenser – Caps
- REF 2146 Application cannulae type 41, 100 pcs.

| Shade | Syringe 2 × 2 g | Caps 20 × 0.25 g |
|-------|-----------------|------------------|
| A1 | REF 1863 | REF 1880 |
| A2 | REF 1864 | REF 1881 |
| A3 | REF 1865 | REF 1882 |
| A3.5 | REF 1866 | REF 1883 |
| A4 | REF 1868 | REF 1884 |
| B1 | REF 1869 | REF 1885 |
| B2 | REF 1867 | REF 1886 |
| C2 | REF 1873 | REF 1887 |
| D2 | REF 1874 | – |
| OA2 | REF 1870 | REF 1889 |
| BL | REF 1871 | – |
| WO | REF 1872 | REF 1891 |

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



| | | | |
|---|--|-------------------------|--|
| REF 1930 | Set syringe 8 × 4 g (O1, O2, O3, O4, O5, TL, TN, TD), Amaris Flow syringe 2 × 1.8 g (HT, HO), shade guide, accessories | | |
| REF 1931 | Set + bond syringe 8 × 4 g (O1, O2, O3, O4, O5, TL, TN, TD), Amaris Flow syringe 2 × 1.8 g (HT, HO), shade guide + Futurabond NR SingleDose 50 pcs., accessories | | |
| REF 1932 | Set syringe 5 × 4 g (O1, O2, TL, TN, TD), shade guide | | |
| REF 1949 | Starter set Caps 32 × 0.25 g (4 each of O1, O2, O3, O4, O5, TL, TN, TD), Amaris Flow syringe 2 × 1.8 g (HT, HO), shade guide, accessories | | |
| REF 1950 | Set Caps 128 × 0.25 g (16 each of O1, O2, O3, O4, O5, TL, TN, TD), Amaris Flow syringe 2 × 1.8 g (HT, HO), shade guide, accessories | | |
| REF 1969 | Shade guide | | |
| REF 9301 | Dispenser – Caps | | |
| REF 2144 | Application cannulae type 44, 100 pcs. | | |
| Base shade | | | |
| Opaque | Syringe 4 g | Caps 16 × 0.25 g | |
| O1 | REF 1933 | REF 1953 | |
| O2 | REF 1934 | REF 1954 | |
| O3 | REF 1935 | REF 1955 | |
| O4 | REF 1936 | REF 1956 | |
| O5 | REF 1937 | REF 1957 | |
| O Bleach | REF 1938 | REF 1958 | |
| Enamel shade | | | |
| Translucent | Syringe 4 g | Caps 16 × 0.25 g | |
| Light, TL | REF 1940 | REF 1960 | |
| Neutral, TN | REF 1941 | REF 1961 | |
| Dark, TD | REF 1942 | REF 1962 | |
| Amaris® Flow | | | |
| Special shade | Syringe 2 × 1.8 g | | |
| High translucent, HT | REF 1945 | | |
| High opaque, HO | REF 1946 | | |
| REF 1932 and 1949 are not available in Canada | | | |

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

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 malpositions of teeth, for direct veneers, facings and corrections of the red-white aesthetics

Advantages

- One base shade, combined with three mixable opaques, 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



| | |
|----------|--|
| REF 1970 | Set syringe 4 g base shade, syringe 3 × 1.2 g opaques (white, light, dark), shade guide, accessories |
| REF 1971 | Syringe 4 g nature |
| REF 2147 | Application cannulae type 45, 100 pcs. |
| REF 2309 | Disposable brushes for dental brush holder, 100 pcs. |
| REF 2338 | Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs. |

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



| | |
|----------|---|
| REF 2321 | Set syringe 5 × 1.5 g (white, blue, yellow, orange, brown), accessories |
| REF 2323 | Syringe 1.5 g white, accessories |
| REF 2324 | Syringe 1.5 g blue, accessories |
| REF 2325 | Syringe 1.5 g yellow, accessories |
| REF 2326 | Syringe 1.5 g orange, accessories |
| REF 2327 | Syringe 1.5 g brown, accessories |
| REF 2147 | Application cannulae type 45, 100 pcs. |

Not available in Canada

VisCalor® bulk

Thermoviscous bulk fill composite

NEW

Ideal for use with
the VisCalor Dispenser
(p. 76)

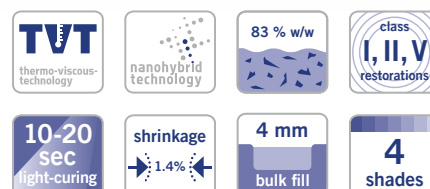


Indications

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

- Heating 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



| | |
|----------|---|
| REF 6062 | Set Dispenser 80 × 0.25 g (16 × universal, 16 × A1, 16 × A2, 32 × A3), VisCalor Dispenser |
| REF 6063 | Set Caps Warmer 80 × 0.25 g (16 × universal, 16 × A1, 16 × A2, 32 × A3), Caps Warmer preheating device |
| REF 6065 | Caps 16 × 0.25 g universal |
| REF 6066 | Caps 16 × 0.25 g A1 |
| REF 6067 | Caps 16 × 0.25 g A2 |
| REF 6068 | Caps 16 × 0.25 g A3 |

Not available in Canada

Clinical Case



Cleaned cavities



Applying the heated VisCalor bulk
with its superb creamy consistency
and slender cannula



Adapting the sculptable
VisCalor bulk



Polished and rehydrated class
II cavities the day after filling
placement

Source: Dr. Fernando Feitosa, Americana / Brazil

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives
(Composites)

Restoratives (Compomers)

Restoratives
(Glass ionomer materials)

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



| | |
|----------|--|
| REF 1790 | Syringe 2 × 2 g universal, accessories |
| REF 1791 | Syringe 2 × 2 g A2, accessories |
| REF 1794 | Caps 16 × 0.25 g universal |
| REF 1795 | Caps 16 × 0.25 g A2 |
| REF 9301 | Dispenser – Caps |
| REF 2148 | Application cannulae type 46, 100 pcs. |

x-tra fil®

Light-curing posterior filling material



Indications

Class I and II posterior fillings

Core build-up

Advantages

- Curing depth 4 mm
- Curing time only 10 s
- Universal shade
- Long-lasting and economic
- Reduced working time, especially in combination with any Futurabond *SingleDose* adhesive
- Easy handling
- Excellent physical properties



| | |
|----------|------------------|
| REF 1739 | Syringe 10 × 5 g |
| REF 1740 | Syringe 5 g |
| REF 1741 | Caps 20 × 0.25 g |
| REF 9301 | Dispenser – Caps |

Clinical Case



Tooth 26 with an amalgam restoration in need of replacement



The glistening surface indicates excellent wetting with the bond before polymerisation



Modeling the marginal ridge against the matrix



Filling the cavity in 4 mm increments



Filling the palatal cavity



Finished treatment with x-tra fil

Source: Prof. Jürgen Manhart, Munich / Germany

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

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



| REF 1338 | Set syringe 7 × 4 g (A1, A2, A3, A3.5, B2, B3, incisal), Vococid gel syringe 5 ml, Solobond M bottle 4 ml, shade guide, accessories | | | |
|----------|---|---------|-------------|--|
| REF 2105 | Shade guide | | | |
| Shade | Syringe 4 g | Shade | Syringe 4 g | |
| A1 | REF 1339 | B2 | REF 1343 | |
| A2 | REF 1340 | B3 | REF 1344 | |
| A3 | REF 1341 | Incisal | REF 1346 | |
| A3.5 | REF 1342 | | | |

Arabesk Flow

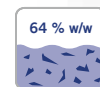
Flowable light-curing glass-ceramic micro-hybrid resin-based dental restorative material

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



| REF 9301 | Dispenser – Caps | | |
|----------|--|------------------|--|
| REF 2144 | Application cannulae type 44, 100 pcs. | | |
| Shade | Syringe 3 g | Caps 25 × 0.25 g | |
| A2 | REF 1563 | REF 1560 | |
| A3 | REF 1564 | REF 1561 | |
| A3.5 | REF 1565 | REF 1562 | |

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 1058 | Syringe 4 g |
| REF 1059 | Caps 16 × 0.25 g |
| <i>Not available in Canada</i> | |

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



| 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 | | |
| Shade | Syringe 4 g | Shade | Syringe 4 g |
| A1 | REF 1361 | B2 | REF 1365 |
| A2 | REF 1362 | B3 | REF 1366 |
| A3 | REF 1363 | Incisal | REF 1368 |
| A3.5 | REF 1364 | | |

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



Coloured Twinky Star fillings in deciduous teeth



| | |
|--------------------------|---|
| REF 1680 | Set Caps 40 × 0.25 g (5 of each shade), shade guide |
| REF 1689 | Shade guide |
| REF 9301 | Dispenser – Caps |
| REF 2144 | Application cannulae type 44, 100 pcs. |
| Shade | Caps 25 × 0.25 g |
| Gold | REF 1681 |
| Silver | REF 1682 |
| Blue | REF 1683 |
| Pink | REF 1684 |
| Green | REF 1685 |
| Orange | REF 1686 |
| Lemon | REF 1687 |
| Berry | REF 1688 |
| Twinky Star® Flow | |
| Shade | Syringe 2 g |
| Blue | REF 1693 |
| Pink | REF 1694 |

REF 1693 and 1694 are not available in Canada

REF 1693 and 1694 are not available in Canada

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

Restoratives (Glass ionomer materials)

| Page | | | class I | class II | class III | class V / cervical defects | base / liner / core build-ups | extended fissure sealing | restorations of deciduous teeth | temporary treatment | working time [min.] | setting time [min.] |
|--|-------------------------------------|---|-------------------|-------------------|-----------|----------------------------|-------------------------------|--------------------------|---------------------------------|---------------------|---------------------|---------------------------|
| Glass ionomer restorative materials | | | | | | | | | | | | |
| 44 | Ionostar Plus capsule | Fast-setting glass ionomer restorative material | • ^{1, 2} | • ² | • | • | • | • | • | • | 1 | 2 |
| 44 | Ionostar Molar capsule | glass ionomer restorative material | • ^{1, 2} | • ² | • | • | • | | • | • | 1.5 | 3 - 4 |
| 45 | VOCO Ionofil Molar AC Quick capsule | Fast-setting glass ionomer restorative material | • ² | • ^{1, 2} | | • | • | | • | • | 1.5 | 2.5 |
| 45 | VOCO Ionofil Molar handmix | glass ionomer restorative material | • ² | • ^{1, 2} | | • | • | | • | • | 2 - 3 | 4 - 5 |
| Light-curing glass ionomer restorative materials | | | | | | | | | | | | |
| 19 | Ionoseal syringe, tube | glass ionomer composite cement | | | | | • | • | | | | light-curing: 20 s / 1 mm |
| 43 | Ionolux capsule | glass ionomer restorative material | • ³ | | • | • | • | | • | • | > 2.5 | light-curing: 20 s / 2 mm |
| 43 | Ionolux handmix | glass ionomer restorative material | • ³ | | • | • | • | | • | • | > 3 | light-curing: 20 s / 2 mm |

- ¹ non occlusion-bearing
- ² semi-permanent
- ³ small fillings

An overview of our composite restorative materials can be found on page 24.

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



| | |
|----------|---|
| REF 2115 | Set application capsule 50 pcs. (10 × A1, 10 × A2, 30 × 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 × 80 mm, with adhesive back, 4 pcs. |
| REF 2169 | VOCO Trifill instrument, 10 pcs. |

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

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives
(Glass ionomer materials)

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



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

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



| | |
|----------|---|
| REF 2520 | Set application capsule 50 pcs. (10 × A1, 10 × A2, 30 × A3) |
| REF 2522 | Set application capsule 150 pcs. A2, AC Applicator type 1 |
| REF 2523 | Set application capsule 150 pcs. A3, AC Applicator type 1 |
| REF 2524 | Application capsule 20 pcs. A1 |
| REF 2525 | Application capsule 20 pcs. A2 |
| REF 2526 | Application capsule 20 pcs. A3 |
| REF 2532 | Application capsule 150 pcs. A2 |
| REF 2533 | Application capsule 150 pcs. A3 |
| REF 2331 | Applicator – AC type 1 |
| REF 2169 | VOCO Trifill instrument, 10 pcs. |

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



| | |
|----------|---|
| REF 1630 | Set application capsule 48 pcs. (8 × A1, 8 × A2, 32 × A3), Final Varnish LC bottle 3 ml |
| REF 1631 | Application capsule 48 pcs. A1 |
| REF 1634 | Application capsule 48 pcs. A2 |
| REF 1632 | Application capsule 48 pcs. A3 |
| REF 1241 | Final Varnish LC bottle 2 × 3 ml |
| REF 2331 | Applicator – AC type 1 |
| REF 9300 | Activator – AC |
| REF 2169 | VOCO Trifill instrument, 10 pcs. |

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 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. |

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives
(Glass ionomer materials)

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. |



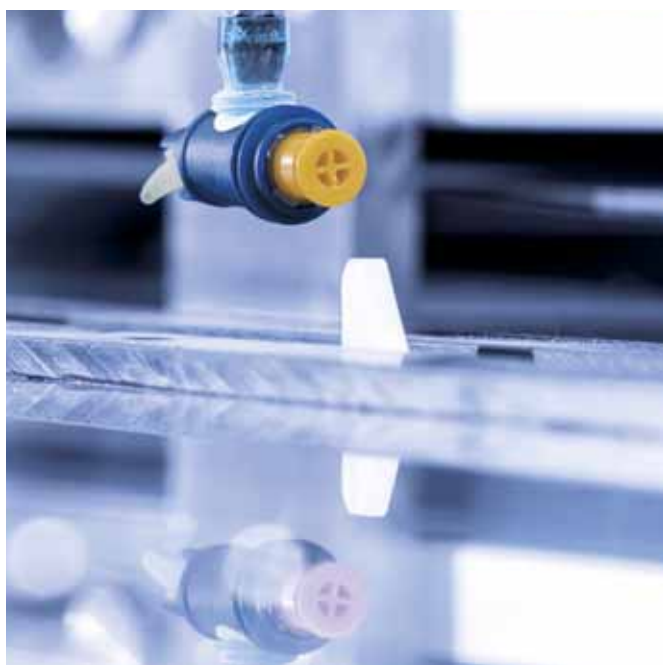
Indirect Restoration

Reliability. Practicality. Method.

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 composite 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

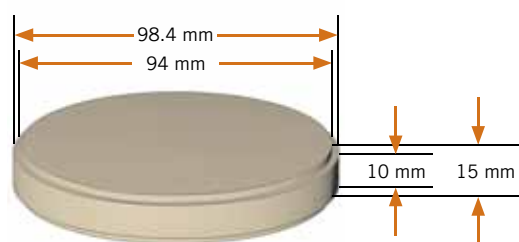
Indications

Crowns, inlays, onlays, veneers
Implant supported crowns

Advantages

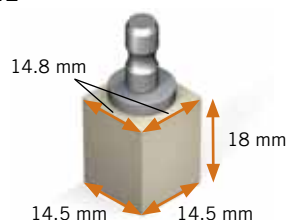
- Highest filler content (86 % w/w)
- Resembles natural teeth perfectly
- Excellent physical values for flexural strength and abrasion
- No firing required
- Can be processed using any conventional milling unit
- Can be polished and repaired optimally
- Ideal for milling even in cases with thin edges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

Size disc

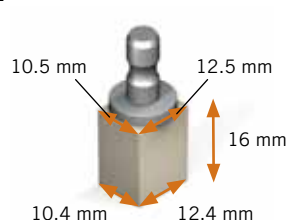


Sizes blocs

No. 14L



No. 12



Grandio® blocs

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

| Low translucent (LT) | 5 × No. 12 | 5 × No. 14L |
|----------------------|------------|-------------|
| 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) | 5 × No. 12 | 5 × No. 14L |
|-----------------------|------------|-------------|
| 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 | 5 × No. 12 | 5 × No. 14L |
|--------|------------|-------------|
| Mixed* | REF 6033 | REF 6034 |

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

Grandio® disc

| Low translucent (LT) | 1 × 15 mm, ø 98.4 mm |
|----------------------|----------------------|
| A1 LT | REF 6050 |
| A2 LT | REF 6051 |
| A3 LT | REF 6052 |
| A3.5 LT | REF 6053 |

| High translucent (HT) | 1 × 15 mm, ø 98.4 mm |
|-----------------------|----------------------|
| A1 HT | REF 6057 |
| A2 HT | REF 6058 |
| A3 HT | REF 6059 |
| A3.5 HT | REF 6060 |

Grandio disc is not available in Canada

V-Print splint

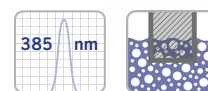
Material for 3D printing

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
Not available in Canada

V-Print SG

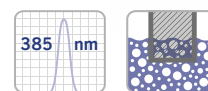
Material for 3D printing

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
Not available in Canada

V-Print model

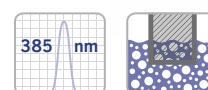
Material for 3D printing

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



REF 6042 Bottle 1000 g beige
Not available in Canada

Luting

| Page | | type | presentation | inlays / onlays | | | crowns | | bridges | | Maryland bridges | | | veneers | posts | | | | | | | | | |
|------|------------------------|-----------------------------------|----------------------|----------------------|-----------|-------|----------------------|-----------|---------|----------------------|------------------|-------|----------------------|-----------|-------|----------------------|----------------------|-------|--------------|-------------|--------------|--------------------------|-------------------|--------------|
| | | | | ceramic ² | composite | metal | ceramic ² | composite | metal | ceramic ² | composite | metal | ceramic ² | composite | metal | ceramic ² | ceramic ² | metal | carbon fibre | glass fibre | quartz fibre | attachments ⁴ | orthodontic bands | steel crowns |
| 51 | Blifix SE | composite | QuickMix syringe | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | • |
| 52 | Blifix QM | composite | QuickMix syringe | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | | • |
| 53 | Meron Plus | resin reinforced GIC ¹ | handmix / capsule | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • | | • | • |
| 53 | Meron Plus QM | resin reinforced GIC ¹ | QuickMix syringe | • | | • | • | | • | • | | • | | | | • | • | • | • | | | | • | • |
| 54 | Meron | GIC ¹ | capsule | • | | • | • ³ | | • | • ³ | | • | | | | • | | • | | | | | • | • |
| 54 | Meron | GIC ¹ | handmix | • | | • | • | | • | • | | • | | | | • | | • | | | | | • | • |
| 54 | Aqua Meron | GIC ¹ | handmix | • | | • | • | | • | • | | • | | | | • | | • | | | | | • | • |
| 55 | Quick Up | composite | QuickMix syringe | | | | | | | | | | | | | | | | • | • | • | • | | |
| 59 | Rebilda DC | composite | QuickMix / cartridge | | | | | | | | | | | | | | | | • | • | • | | | |
| 60 | Grandio Core Dual Cure | composite | QuickMix syringe | | | | | | | | | | | | | | | | | | | | | |

¹ glass ionomer luting cement² silicate / zirconium dioxide / aluminium oxide ceramics³ also on implant abutments⁴ ball, Locator®, telescope retention elements, as well as other holding elements

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



1 - 2 sec.



180 - 240 sec.



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.



| | |
|----------|--|
| REF 1784 | Set QuickMix syringe 3 × 5 g (universal, transparent, white-opaque), accessories |
| REF 1785 | QuickMix syringe 5 g universal, accessories |
| REF 1786 | QuickMix syringe 5 g transparent, accessories |
| REF 1787 | QuickMix syringe 5 g white-opaque, accessories |
| REF 2194 | Mixing tips type 14, 50 pcs. |
| REF 2195 | Mixing tips type 15 (with intraoral tips type 1), 50 pcs. |

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

Repair

Bifix® QM

Dual-curing universal composite-based luting system



Also for
zirconium dioxide
luting



Indications

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

20 sec
light-curing

DC
dual-curing

auto
mix

3
shades

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

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

Ceramic Bond

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

Also for
zirconium dioxide
luting



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

ceramic composite

| | |
|----------|--|
| REF 1106 | Bottle 5 ml |
| REF 1107 | <i>SingleDose</i> 50 pcs., accessories |

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



| | |
|----------|------------------------------|
| REF 1731 | Powder 15 g |
| REF 1732 | Liquid 10 ml |
| REF 1736 | Application capsule 50 pcs. |
| REF 1737 | Application capsule 150 pcs. |
| REF 2331 | Applicator – AC type 1 |

Meron Plus QM

Resin reinforced glass ionomer luting cement



Indications

Luting of

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

Advantages

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



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

Not available in Canada

Meron (Application capsule)

Radiopaque glass ionomer luting cement



Indications

Luting of

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

Advantages

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



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

Meron

Glass ionomer luting cement

Indications

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

Advantages

- Low solubility in the mouth
- Low acidity
- Biocompatible
- Easy application



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

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



| | |
|----------|----------------------------------|
| 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 plastic bases

Reluting secondary elements in prostheses with plastic 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.



| | |
|----------|--|
| REF 1625 | Set QuickMix syringe 7.5 g, Quick Up LC syringe 2 g, adhesive bottle 4 ml, Fit Test C & B QuickMix syringe 5 ml, accessories |
| REF 1626 | QuickMix syringe 7.5 g, accessories |
| REF 1627 | Quick Up LC syringe 2 g, accessories |
| REF 1628 | Adhesive bottle 4 ml, accessories |
| REF 2261 | Dispenser – QuickMix |
| REF 2189 | Mixing tips type 10, 50 pcs. |
| REF 2144 | Application cannulae type 44, 100 pcs. |
| REF 2247 | Single Tim, application brushes, 100 pcs. |
| REF 2315 | Mixing palettes, 20 pcs. |

Application



Implant with fitted attachments



Prosthetic base with the recesses for the attachments already created



Checking the accuracy of the fit with Fit Test C & B



Checking of attachments for fitting accuracy with Fit Test C & B



Blocking out, covering of primary parts / gingiva with Fit Test C & B



Applying Quick Up from the QuickMix syringe



Applying Quick Up LC to correct deficits and superficial defects



Luted attachment in the prosthesis

BrackFix®

Light-curing bracket bonding system

Fluorescent



20 sec
light-curing

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

| | |
|----------|---|
| REF 1205 | Set adhesive syringe 2 × 4 g, Primer bottle 6 ml, accessories |
| REF 1206 | Set SE adhesive syringe 2 × 4 g, Primer SE <i>SingleDose</i> 40 pcs., accessories |
| REF 1207 | Adhesive syringe 2 × 4 g |
| REF 1208 | Primer bottle 6 ml |
| REF 1209 | Primer SE <i>SingleDose</i> 50 pcs., accessories |
| REF 2247 | Single Tim, application brushes, 100 pcs. |
| REF 2315 | Mixing palettes, 20 pcs. |

Clinical case



Etching of enamel surface



Application of BrackFix Primer



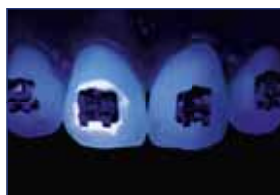
Simple application of BrackFix Adhesive to bracket



Simple and secure positioning on the tooth



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



Under UVA light (for demonstration purposes)



Illumination with UVA light following removal of brackets



Controlled removal of BrackFix residues



Final check with UVA light: No adhesive residues remain

Source: Dr. Felipe Moura / Brazil

Rebilda® Post

Glass fibre-reinforced composite post

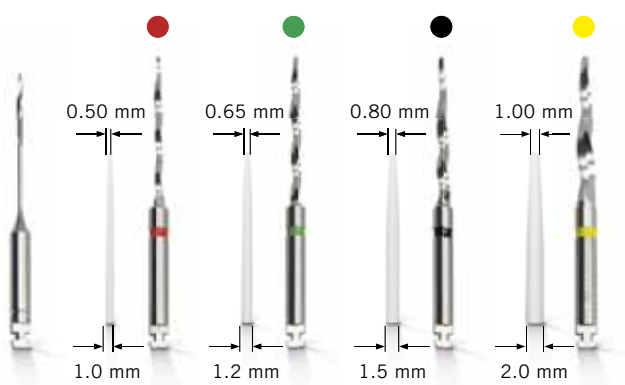


Indications

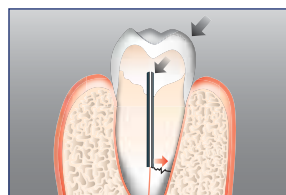
Endodontic post build-up for support and anchoring of coronal restoration in situations with insufficient tooth substance

Advantages

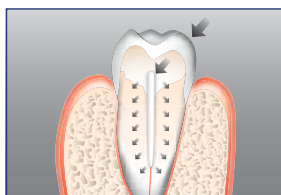
- Dentine-like elasticity behaviour, high transverse strength
- High level of radiopacity (350 %Al)
- Anatomical shape
- Adhesive luting
- Removable
- All materials in the set match each other
- Post insertion and core-build-up in one step
- **Futurabond® DC · Futurabond® U**
 - safe self-cure
 - high adhesion without additional etching
- **Rebilda® DC**
 - suitable for post luting
 - cuts like dentine, very good physical properties
 - low setting temperature



Posts illustrations are not the actual size.



Metal post – root fractures



Rebilda Post – dentine-like E-modulus

| | |
|----------|---|
| 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), 1 reamer (ø 0.7 mm), Ceramic Bond bottle 5 ml, Futurabond DC <i>SingleDose</i> 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), 2 reamer (ø 0.7 mm), Ceramic Bond bottle 5 ml, Futurabond U <i>SingleDose</i> 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. |
| REF 1769 | Reamer (ø 0.7 mm), 3 pcs. |

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

Repair

Rebilda® Post GT

Bundled glass fibre-reinforced composite post



Indications

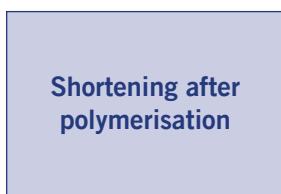
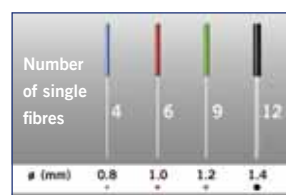
Core build-up restorations with root posts for endodontically treated teeth

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

| | |
|----------|--|
| 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. |

Application



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



| | |
|----------|---|
| REF 1395 | Set cartridge 50 g dentine, Futurabond DC bottle each of 4 ml liquid 1 and 2, dispenser type 3, accessories |
| REF 1396 | Cartridge 50 g dentine, accessories |
| REF 1397 | Cartridge 50 g blue, accessories |
| REF 1398 | Cartridge 50 g white, accessories |
| REF 1402 | Set QuickMix syringe 10 g dentine, Futurabond DC bottle each of 4 ml liquid 1 and 2, accessories |
| REF 1403 | QuickMix syringe 10 g dentine, accessories |
| REF 1404 | QuickMix syringe 10 g blue, accessories |
| REF 1405 | QuickMix syringe 10 g white, accessories |
| REF 2259 | Dispenser – type 3 |
| REF 2261 | Dispenser – QuickMix |
| REF 2191 | Mixing tips type 11 for QuickMix syringe, 50 pcs. |
| REF 2139 | Intraoral tips type 1 for QuickMix syringe, 50 pcs., to be used in the root canal |
| REF 2142 | Intraoral tips type 4 for QuickMix syringe, 50 pcs. |
| REF 2192 | Mixing tips type 12 for cartridge, 50 pcs. |
| REF 2141 | Intraoral tips type 3 for cartridge, 50 pcs. |
| REF 2199 | Mixing tips type 19 for cartridge, bendable, 30 pcs. |

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

Repair

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



| | |
|----------|---|
| REF 1910 | QuickMix syringe 10 g dentine, accessories |
| REF 1911 | QuickMix syringe 10 g blue, accessories |
| REF 1912 | QuickMix syringe 10 g white, accessories |
| REF 2261 | Dispenser – QuickMix |
| REF 2191 | Mixing tips type 11 for QuickMix syringe, 50 pcs. |
| REF 2142 | Intraoral tips type 4 for QuickMix syringe, 50 pcs. |

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

Struktur 3

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

**GLOSS WITHOUT
POLISHING!**

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



| | |
|----------|---|
| REF 2500 | Set cartridge 50 ml A2, dispenser type 2, accessories |
| REF 2501 | Set cartridge 50 ml A3, dispenser type 2, accessories |
| REF 2158 | Dispenser – type 2 |
| REF 2261 | Dispenser – QuickMix |
| REF 2185 | Mixing tips type 6 for cartridge, 50 pcs. |
| REF 2189 | Mixing tips type 10 for QuickMix syringe, 50 pcs. |

| Shade | Cartridge 50 ml, mixing tips type 6 | Cartridge 5 x 50 ml, mixing tips type 6 |
|-------|--|---|
| A1 | REF 2503 | – |
| A2 | REF 2504 | REF 2512 |
| A3 | REF 2505 | REF 2513 |
| A3.5 | REF 2506 | – |
| B1 | REF 2507 | – |
| B3 | REF 2508 | – |
| C2 | REF 2509 | – |
| BL | REF 2510 | – |
| Shade | QuickMix syringe 5 ml, mixing tips type 10 | |
| A1 | REF 2515 | |
| A2 | REF 2516 | |
| A3 | REF 2517 | |
| B1 | REF 2518 | |

Clinical Case



Initial situation



Prepared cores



Finished temporary bridge



Appealing result

Source: Dr. Walter Denner, Fulda / Germany

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

Repair

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



SC
self-curing

auto
mix

temporary

8
shades

| REF 1478 | Set cartridge 75 g A3, dispenser type 2, accessories | |
|----------|--|--|
| REF 1499 | Set cartridge 75 g A2, dispenser type 2, accessories | |
| REF 2158 | Dispenser – type 2 | |
| REF 2261 | Dispenser – QuickMix | |
| REF 2185 | Mixing tips type 6 for cartridge, 50 pcs. | |
| REF 2189 | Mixing tips type 10 for QuickMix syringe, 50 pcs. | |
| Shade | Cartridge 75 g, mixing tips type 6 | Cartridge 5 × 75 g, mixing tips type 6 |
| A1 | REF 1479 | – |
| A2 | REF 1480 | REF 1492 |
| A3 | REF 1481 | REF 1491 |
| A3.5 | REF 1490 | – |
| B1 | REF 1482 | – |
| B3 | REF 1483 | – |
| C2 | REF 1486 | – |
| BL | REF 1485 | – |
| Shade | QuickMix syringe 8 g, mixing tips type 10 | |
| A1 | REF 1309 | |
| A2 | REF 1310 | |
| A3 | REF 1311 | |
| B1 | REF 1312 | |

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



| | |
|--------------------------------|---|
| REF 2502 | Structur 3 cartridge 50 ml A3, Provicol QM QuickMix syringe 5 ml, Clip Flow syringe 2 × 1.8 g |
| <i>Not available in Canada</i> | |

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



| 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 |

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



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

Provicol® QM Plus

Eugenol-free temporary luting cement with calcium hydroxide



Indications

Temporary luting of inlays, onlays, crowns, partial crowns, bridges, attachments and posts

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

SC
self-curing

auto
mix

temporary

contains
 Ca(OH)_2

| | |
|----------|--|
| REF 1098 | QuickMix syringe 5 ml, accessories |
| REF 1099 | Set QuickMix syringe 3 × 5 ml (2 × Provicol QM, 1 × Provicol QM Plus), accessories |
| REF 2261 | Dispenser – QuickMix |
| REF 2189 | Mixing tips type 10, 50 pcs. |

Provicol® · Provicol® QM

Eugenol-free temporary luting cement with calcium hydroxide



Indications

Temporary luting of inlays, onlays, crowns, partial crowns, bridges, attachments and posts

Temporary filling of small one-surface cavities

Advantages

- Semi-elastic properties for safe adhesion of the temporary
- 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

SC
self-curing

auto
mix

temporary

contains
 Ca(OH)_2

| | |
|----------|------------------------------------|
| REF 1075 | Tube 2 × 25 g (base / catalyst) |
| REF 1078 | Tube 10 × 25 g (base / catalyst) |
| REF 1074 | QuickMix syringe 5 ml, accessories |

Clip Flow

Flowable, light-curing filling material for temporary restorations

Indications

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

Advantages

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



NDT
non dripping
technology

temporary

10-40 sec
light-curing

Saliva-proof

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

Clip

Light-curing filling material for temporary restorations

Indications

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

Advantages

- Easy to place – easy to remove in one piece
- No damage to preparation boundaries
- Time-saving and economical
- Durable and saliva-proof
- Specifically useful in inlay / onlay technique



temporary

20-40 sec
light-curing

Saliva-proof

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

Clip F

Light-curing filling material with fluoride for temporary restorations

Indications

See Clip

Advantages

See Clip



temporary

contains
fluoride
F⁻

20-40 sec
light-curing

Saliva-proof

REF 1289 Syringe 2 × 4 g
REF 1283 Syringe 3 × 4 g

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

Repair

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

SC
self-curing

auto
mix

Ufi Gel® hard C

| | |
|----------|--|
| REF 2215 | Set cartridge 80 g, adhesive bottle 10 ml, accessories |
| REF 2218 | Set + dispenser cartridge 80 g, adhesive bottle 10 ml, accessories |
| REF 2216 | Cartridge 80 g, accessories |
| REF 2217 | Adhesive bottle 10 ml |
| REF 2158 | Dispenser – type 2 |
| REF 2187 | Mixing tips type 8, 50 pcs. |

Ufi Gel® hard

| | |
|----------|---|
| REF 2210 | Set powder 60 g, liquid bottle 40 ml, conditioner bottle 20 ml, accessories |
|----------|---|

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



SC
self-curing

auto
mix

Ufi Gel® SC

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

Ufi Gel® P

- REF 2070 Set tube base 50 ml, catalyst 50 ml, glazing base 10 ml, glazing catalyst 10 ml, adhesive bottle 10 ml, accessories
- REF 2071 Tube 2 × 50 ml (base / catalyst)
- REF 2076 Adhesive bottle 10 ml
- REF 2309 Disposable brushes for dental brush holder, 100 pcs.
- REF 2315 Mixing palettes, 20 pcs.
- REF 2338 Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs.

Clinical Case



SEATING OF THE
PROSTHESIS AND
MOVEMENTS OF
THE MANDIBLE



CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

Repair

V-Posil Putty Fast · Heavy Soft Fast · Mono Fast

Precision impression material, VPS

NEW

Now also as Putty in the large cartridge



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
- reline impressions
- transferring root posts when fabricating posts and cores indirectly
- multi tray technique
- use in the simultaneous mixing technique as well as the putty-wash technique

Advantages

- Highly hydrophilic A-silicone for maximum precision
- High dimensional accuracy
- Long working time combined with a short intraoral setting time*
- High recovery after deformation
- Good hydrophilicity, even after setting, renders pouring and thus the prosthetic restoration perfect

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

V-Posil Putty Fast

| | |
|----------|-------------------------------|
| REF 2561 | Jar 2 × 450 ml, accessories |
| REF 2562 | Jar 8 × 450 ml, accessories |
| REF 2563 | Cartridge 380 ml, accessories |
| REF 2564 | Cartridge 2 × 380 ml |
| REF 2203 | Mixing tips type 30, 50 pcs. |

V-Posil Heavy Soft Fast

| | |
|----------|----------------------------------|
| REF 2565 | Cartridge 380 ml, accessories |
| REF 2566 | Cartridge 2 × 380 ml |
| REF 2567 | Cartridge 2 × 50 ml, accessories |
| REF 2568 | Cartridge 10 × 50 ml |
| REF 2196 | Mixing tips type 16, 50 pcs. |
| REF 2203 | Mixing tips type 30, 50 pcs. |

V-Posil Mono Fast

| | |
|----------|----------------------------------|
| REF 2569 | Cartridge 380 ml, accessories |
| REF 2570 | Cartridge 2 × 380 ml |
| REF 2571 | Cartridge 2 × 50 ml, accessories |
| REF 2572 | Cartridge 10 × 50 ml |
| REF 2196 | Mixing tips type 16, 50 pcs. |
| REF 2203 | Mixing tips type 30, 50 pcs. |
| REF 2133 | Intraoral tips type 6, 50 pcs. |

V-Posil Adhesive

| | |
|----------|--------------|
| REF 2578 | Bottle 10 ml |
|----------|--------------|

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
- one-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

- Highly hydrophilic A-silicone for maximum precision
- Long working time combined with a short intraoral setting time
- Exceptional toughness and recovery after deformation ensure safety during and after removal
- Good hydrophilicity, even after setting, renders pouring and thus the prosthetic restoration perfect

Clinical Cases



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



V-Posil Light Fast

| | |
|----------|----------------------------------|
| REF 2573 | Cartridge 2 × 50 ml, accessories |
| REF 2574 | Cartridge 10 × 50 ml |
| REF 2186 | Mixing tips type 7, 50 pcs. |
| REF 2141 | Intraoral tips type 3, 50 pcs. |

V-Posil X-Light Fast

| | |
|----------|----------------------------------|
| REF 2575 | Cartridge 2 × 50 ml, accessories |
| REF 2576 | Cartridge 10 × 50 ml |
| REF 2186 | Mixing tips type 7, 50 pcs. |
| REF 2141 | Intraoral tips type 3, 50 pcs. |

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

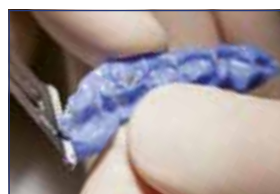
Clinical Case



Excellent surface affinity



No resistance on occlusion



The bite registration can be easily trimmed with a scalpel



SC
self-curing

**auto
mix**

**Shore-A
90**

| | |
|----------|----------------------------------|
| REF 2035 | Cartridge 2 × 50 ml, accessories |
| REF 2036 | Cartridge 8 × 50 ml, accessories |
| REF 2158 | Dispenser – type 2 |
| REF 2196 | Mixing tips type 16, 50 pcs. |
| REF 2140 | Intraoral tips type 2, 50 pcs. |

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



SC
self-curing

**auto
mix**

**Shore-A
80**

| | |
|----------|--------------------------------|
| REF 2037 | Cartridge 50 ml, accessories |
| REF 2158 | Dispenser – type 2 |
| REF 2196 | Mixing tips type 16, 50 pcs. |
| REF 2140 | Intraoral tips type 2, 50 pcs. |

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

3-5 min
light-curing

| | |
|----------|------------------------------------|
| 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. blue transparent |

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

3-5 min
light-curing

| | |
|----------|----------------------------------|
| REF 2111 | Maxillae / mandibles 2 × 25 pcs. |
| REF 2112 | Maxillae 50 pcs. |
| REF 2113 | Mandibles 50 pcs. |

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

Repair

Fit Test® C & B

Addition-curing silicone material for checking of prosthetic reconstructions



auto
mix

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

| | |
|----------|---|
| REF 2095 | QuickMix syringe 5 ml, accessories |
| REF 2261 | Dispenser – QuickMix |
| REF 2188 | Mixing tips type 9, 50 pcs. |
| REF 2191 | Mixing tips type 11, only with intraoral tips type 1, 50 pcs. |
| REF 2139 | Intraoral tips type 1, 50 pcs. |

Cimara®

Material for ceramic repair with light-curing composite

ACID-FREE INTRAORAL
CERAMIC REPAIR



Indications

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

Advantages

- 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

ceramic

metal

| | |
|----------|---|
| REF 1196 | Set coupling silane 8 × 0.3 ml, adhesive bottle 4 ml, Opaquer LC syringe 1.2 g, GrandioSO Caps 8 × 0.25 g (A1, 2 × A2, 2 × A3, A3.5, B2, GA3.25), accessories |
| REF 1197 | Coupling silane 4 × 0.3 ml, accessories |
| REF 1198 | Adhesive bottle 4 ml |
| REF 1575 | Opaquer LC syringe 1.2 g, accessories |
| REF 1201 | SiC Grinding Bur, 4 pcs. |
| REF 2147 | Application cannulae type 45, 100 pcs. |
| REF 2309 | Disposable brushes for dental brush holder, 100 pcs. |
| REF 2315 | Mixing palettes, 20 pcs. |
| REF 2338 | Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs. |



Devices · Various

Advancement. Efficacy. Practice-orientation.

The future of dentistry is digital. 3D printers play an ever-increasing role in the digital workflow of dental practices as well as laboratories. VOCO's SolFlex series comprises sophisticated equipment in different sizes, offering possibilities for new processing dimensions.

But also, nothing really functions in the practice without those practical little helpers – be it application cannulae in different sizes, large or small devices for application of or subsequent working with products, as well as cleaning preparations, devitalising pastes, moulds 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 × 400 mm |
| Build area | 64 × 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 × 400 mm |
| Build area | 128 × 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 – Flexibel 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 – Flexibel material reservoir ¹ |
| REF 9113 | PowerVat 650 – material reservoir ² |
| REF 9115 | Handle bar 350 / 650 – Handle bar Flex-Vat |
| REF 9122 | Platform – Building platform |

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 - 200 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.



| | |
|-----------------------|---|
| REF 9100 | 3D printer |
| REF 9101 | SMP – 3D printer (incl. Sensor Technology) |
| REF 9108 | SMP Upgrade Kit |
| REF 9110 | Flex-Vat – Flexibel material reservoir |
| REF 9120 | Platform – Building platform |
| REF 9119 | Interchangeable plate for building platform |
| Accessories | |
| See SolFlex 350 · 650 | |

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 |



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

VisCalor® Dispenser

Preheating dispenser for composite Caps

NEW

Ideal for use with
VisCalor bulk (p. 37)



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

Indications

Heating and application of highly filled composites in Caps

Advantages

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



Caps Warmer

Preheating device for composite Caps

Indications

Device for warming composite Caps

Advantages

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



REF 9001 Preheating device

VOCO Dynamic Dispenser

Dynamic mixing device

Indications

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

Advantages

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



REF 9140 Mixing device 230 V
Not available in Canada

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

REF 9090 Celalux 3 (handpiece, battery charger, power cord with interchangeable mains adapters, 2 Device Bases, 8 mm light guide, rubber shield, operating instructions)

Accessories

REF 9091 Light guide 8 mm, autoclavable
REF 9092 Device Base
REF 9093 Rubber shield, 5 pcs.

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

REF 9050 Capsule mixing device

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

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

Pele Tim

Foam pellets for application of liquid or paste preparations without pressure



Indications

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

Advantages

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

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

10-30
sec
light-curing

REF 1661 Syringe 4 × 1.2 ml, accessories
REF 2144 Application cannulae type 44,
100 pcs.

Not available in Canada

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

for
NHT
Composites

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

Traypurol® tabs

Active-tabs for cleaning impression trays and instruments



REF 2355 50 pcs.

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



REF 2289 Bottle 1 l
REF 2290 Canister 5 l
REF 2304 Dispenser pump – canister 5 l
Not available in Canada

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

Caps Dispenser

Direct application dispenser for dispensing restorative materials in Caps



REF 9301 Dispenser – Caps

Dispenser type 2

Dispenser to extrude dental materials from cartridges



For 1:1 or 1:2 cartridges (50 ml)

REF 2158 Dispenser – type 2

Dispenser type 3

Dispenser to extrude dental materials from cartridges



For 1:1 or 1:2 cartridges (25 ml)

REF 2259 Dispenser – type 3

QuickMix Dispenser

Dispenser to extrude dental materials from QuickMix syringes



For 1:1 QuickMix syringes

REF 2261 Dispenser – QuickMix

AC Applicator type 1

Forceps-type applicator to directly apply the content of VOCO application capsules (AC) into the cavity



REF 2331 Applicator – AC type 1

AC Applicator type 2

Forceps-type applicator to directly apply the content of VOCO application capsules (AC) into the cavity



REF 2334 Applicator – AC type 2

AC Activator

Device to activate VOCO application capsules (AC)



REF 9300 Activator – AC






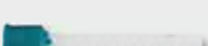



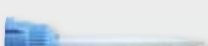


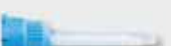
Application brush dispenser

Dispenser for hygienic removal of application brushes – can be repeatedly refilled with two types of brushes



REF 2244 Dispenser – application brushes

Mixing tips

| | | | | | |
|----------|---|---|----------|---|---|
| REF 2185 | Mixing tips type 6 for Structur Premium, Structur 2 in cartridge, Structur 3 in cartridge, 50 pcs. |  | REF 2194 | Mixing tips type 14 for Bifix SE, Perfect Bleach Office+, 50 pcs. |  |
| REF 2186 | Mixing tips type 7 for V-Posil Light Fast, V-Posil X-Light Fast, 50 pcs. |  | REF 2195 | Mixing tips type 15 (with intraoral tips type 1) for Bifix SE, Perfect Bleach Office+, 50 pcs. |  |
| REF 2187 | Mixing tips type 8 for Ufi Gel hard C, Ufi Gel SC, 50 pcs. |  | REF 2196 | Mixing tips type 16 (for intraoral tips type 2) for Registrado Clear, Registrado X-tra, V-Posil Heavy Soft Fast in cartridge, V-Posil Mono Fast in cartridge, 50 pcs. |  |
| REF 2188 | Mixing tips type 9 for Bifix Temp, Fit Test C & B, 50 pcs. |  | REF 2199 | Mixing tips type 19 for Rebilda DC in cartridge, bendable, 30 pcs. |  |
| REF 2189 | Mixing tips type 10 for Meron Plus QM, Provicol QM, Provicol QM Plus, Quick Up, Structur 2 in the QuickMix syringe, Structur 3 in the QuickMix syringe, 50 pcs. |  | REF 2202 | Mixing tips type 20 for die silicone, 50 pcs. |  |
| REF 2191 | Mixing tips type 11 for Bifix QM, Fit Test C & B only with intraoral tips type 1, Grandio Core Dual Cure in the QuickMix syringe, Rebilda DC in the QuickMix syringe, 50 pcs. |  | REF 2203 | Mixing tips type 30 for V-Posil Heavy Soft Fast in large cartridge, V-Posil Mono Fast in large cartridge, V-Posil Putty Fast in large cartridge, 50 pcs. |  |
| REF 2192 | Mixing tips type 12 for Rebilda DC in cartridge, 50 pcs. |  | | | |

Application aids

| | | | | | |
|----------|---|---|----------|--|---|
| REF 2169 | VOCO Trifill instrument, 10 pcs. |  | REF 2247 | Single Tim, application brushes, 100 pcs. |  |
| REF 2249 | Micro Tim, fine application brushes, 100 pcs. |  | REF 2246 | Endo Tim, application brushes, to be used in the root canal, 50 pcs. |  |
| REF 2309 | Disposable brushes for dental brush holder, 100 pcs. |  | REF 2245 | Easy Brush, application brushes, 50 pcs. |  |
| REF 2338 | Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs. |  | | | |

3D printer

Devices

Others

Cleaning


Small devices

Disposable articles

Application cannulae

| | | | | | |
|----------|--|---|----------|--|---|
| REF 2145 | Application cannulae type 40 for Fissurit F / FX, 100 pcs. |  | REF 2147 | Application cannulae type 45 for Amaris Gingiva, Cimara Opaquer LC, FinalTouch, Grandio Seal, 100 pcs. |  |
| REF 2146 | Application cannulae type 41 for Admira Fusion Flow, Calcimol LC, Grandio / SO Flow, Ionoseal, LC Dam, 100 pcs. |  | REF 2148 | Application cannulae type 46 for Admira Fusion x-base, Clip Flow, GrandioSO Heavy Flow, x-tra base, 100 pcs. |  |
| REF 2310 | Application cannulae type 42 for Vococid, 30 pcs. |  | REF 2131 | Application cannulae type 47 for Calcicur, 30 pcs. |  |
| REF 2167 | Application cannulae type 43 for VOCO Profluorid Varnish cartridge, 100 pcs. |  | REF 2132 | Application cannulae type 48 for Vococid, 50 pcs. |  |
| REF 2144 | Application cannulae type 44 for Admira Flow, Amaris Flow, Arabesk Flow, Block Out Gel LC, Quick Up LC, Twinky Star Flow, 100 pcs. |  | | | |

Intraoral tips

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

Mixing spatulas · Mixing pads · Mixing palettes

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

| | | | | | | | | |
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