

IMPLANTOLOGY PROGRAMME



WELCOME TO THE DENTALISTS!

Dear customers and business partners,

As a researching dental company, we take your requirements as dentists very seriously. So we aim to tailor every one of our branded products to your specific needs, and ensure that they are reliable, easy to use and of the highest quality. With this in mind, VOCO has already introduced a whole host of product innovations on the dental market which have set new standards in quality. Often they are far more than mere consumables – they have, in fact, become problem solvers.

Particularly for implant treatment, we have been successful in this respect with our Quick Up system. Further information on this and all of our other products which aid you in your search for tailored solutions for your day-to-day work can be found on the following pages.

In addition to information covering all aspects of the product and its applications, a range of photographs show you it in use in routine clinical practice.

If you have any questions or require further information, please feel free to contact your personal VOCO dental customer 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



www.voco.dental



ORAL CARE

CleanJoy 5

RESTORATIVES (COMPOSITES)

GrandTEC 6
 GrandioSO Heavy Flow 8
 GrandioSO Light Flow 8

LUTING

Bifix Hybrid Abutment 9
 Bifix SE 9
 Quick Up 10
 Meron (Application capsule) 12
 Meron 12

TEMPORARIES

Structur 3 13
 Provicol QM Plus 14
 Provicol QM 14
 Clip Flow 14

IMPRESSION / DENTURE RELINING

V-Posil Mono Fast 15
 Registrado X-tra 16
 Registrado Clear 16
 Fit Test C & B 16
 Individuo Lux 17
 Profibase 17
 Vococid 17
 Ufi Gel SC 18
 Ufi Gel P 18

CAD / CAM

Grandio blocs - Grandio disc 19
 V-Print SG 20
 V-Print tray 20

DEVICES / ACCESSORIES

VOCO Dynamic Dispenser 21
 Celalux 3 22
 Caps Dispenser 22
 Dispenser type 2 22
 Dispenser type 3 22
 QuickMix Dispenser 22
 AC Applicator type 1 22
 Mixing tips and Application cannulae 23
 Intraoral tips 23

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.

- | | | | |
|---|--|---|--|
|  | <p>Material composition Both the fillers and the resin matrix of this product are based purely on silicon oxide.</p> |  | <p>Fluoride content This product contains the level of fluorides indicated. For detailed information, please consult the instructions for use.</p> |
|  | <p>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.</p> |  | <p>Material composition This product contains the ingredient shown.</p> |
|  | <p>Curing of the material This product self-cures chemically. For detailed information, please consult the instructions for use.</p> |  | <p>Working directions This product does not require additional polishing when completely cured. For detailed information, please consult the instructions for use.</p> |
|  | <p>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.</p> |  | <p>Material compatibility This product can be used with the materials indicated. For detailed information, please consult the instructions for use.</p> |
|  | <p>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.</p> |  | <p>CAD / CAM This product is suitable for use in digital dentistry. For detailed information, please consult the instructions for use.</p> |
|  | <p>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.</p> |  | <p>Indication of retention time in the mouth This product is retained in the mouth for the minimum duration shown.</p> |
|  | <p>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.</p> |  | <p>Indication of working time The maximum extraoral working time for this product is as shown.</p> |
|  | <p>Volume shrinkage During setting, this product is subject to the volume shrinkage indicated in percent.</p> |  | <p>Non-sedimenting This product is non-sedimenting. The product enables additive manufacturing of objects from homogeneous solution throughout the entire printing process.</p> |
|  | <p>Filler content This product has a defined filler content, which is indicated in percent by weight.</p> | | |
|  | <p>Hardness of the material This product possesses the shore A hardness shown.</p> | | |
|  | <p>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.</p> | | |
|  | <p>Indications This product can be used for temporary types of treatment. For detailed information, please consult the instructions for use.</p> | | |

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
- Can be used with any conventional instrument (small brush, cup etc.)
- Contains fluoride (700 ppm) and xylitol
- Three pleasant flavours: mint, caramel, cherry

Application



Slight extrinsic staining in the anterior region of the mandible

Use of the yellow cleaning paste and finishing with the green polishing paste

Clean and smooth tooth surfaces

Source: Dr. Sanzio Marques, Passos / Brazil



| Coarse (red) | |
|-----------------|-----------------------------------|
| Flavour | Tube 100 g |
| Mint | REF 2092 |
| Caramel | REF 6092 |
| Cherry | REF 6100 |
| Medium (yellow) | |
| Flavour | Tube 100 g |
| Mint | REF 2091 |
| Caramel | REF 6091 |
| Cherry | REF 6099 |
| Fine (green) | |
| Flavour | Tube 100 g |
| Mint | REF 2090 |
| Caramel | REF 6090 |
| Cherry | REF 6098 |
| REF 2089 | Tube 4 × 100 g fine (green), mint |

GrandTEC®

A stable basis for fixed temporary work



High functional and aesthetic demands have to be met by the temporary restoration of a single-tooth space, especially in the anterior region. In such cases, a removable temporary restoration would have several disadvantages compared to a fixed restoration. For example, there is the risk that clasps will be visible. The temporary restoration would also need to be constantly removed from the mouth for cleaning. In the familiarisation phase, in particular, wearing comfort for the patient would be affected by increased salivation, while the need for the tongue to adapt to continually changing oral situations would impair the patient's phonetics and pronunciation. Furthermore, problems for the removable temporary restoration could arise when biting off food. These are all things that patients who have decided on an implant solution would find hard to tolerate, and thus they would also demand a fixed temporary solution.

With GrandTEC, VOCO now has the answer to this requirement for aesthetics, comfort and secure retention – a product that enables simple fabrication and integration of customised, fixed temporary restorations. GrandTEC is a glass fibre strand impregnated with light-curing methacrylate resins which remains sculptable until it is cured. It can be polymerised with conventional curing lights and is also compatible with all standard light-curing composites. In addition, GrandTEC can be used to reinforce or fabricate composite-based temporary crowns and bridges. But that's not all – GrandTEC is also ideal for the temporary restoration of edentulous spaces, e.g., using an extracted natural tooth or a prosthetic tooth. The integration of a fixed temporary restoration does not damage the substance of the neighbouring teeth, as the tooth surfaces are only prepared following the rules of the acid-etch technique. An adhesive is then applied, followed by a thin layer of flow composite to attach the glass fibre strand.

During the curing process, the resin-impregnated glass fibres bond with the flow composite, meaning that laborious and often uneven prior coating of the glass fibre strand with a bonding agent is dispensed with. The intensive chemical bond between the resin-impregnated glass fibres and the composite ensures that masticatory forces are distributed evenly throughout the restoration. This results in considerably improved stability, thus making the restoration significantly more resistant to fractures. In addition to its material characteristics, GrandTEC also impresses in terms of its handling. Each glass fibre strand is wrapped in an easy-to-remove protective film and sealed in an individual blister to protect it from exposure to light. The glass fibre strand can be easily trimmed to the required length in the protective film using fine-tip scissors. The protective film thus ensures problem-free handling and is only removed directly before the strand is positioned. GrandTEC is flexible and can be sculpted to the desired shape and adapted with the instruments normally employed in the composite adhesive technique. Tweezers with smooth tips facilitate positioning on the prepared teeth. Restorations reinforced with GrandTEC can be finished and polished with the same instruments as are used for composite restorations.

GrandTEC®

Resin-impregnated light-curing glass-fibre strands for dental adhesive technique



Indications

Stabilisation of teeth

- after orthodontic therapy
- after periodontal therapy

For support in trauma therapy

- locking and splinting avulsed or loosened teeth
- fragment fixation after fracture

For reinforcing / fabricating provisional bridges made from composite and temporary C&B-materials

For temporary treatment after extraction and replacing a missing tooth using an artificial tooth

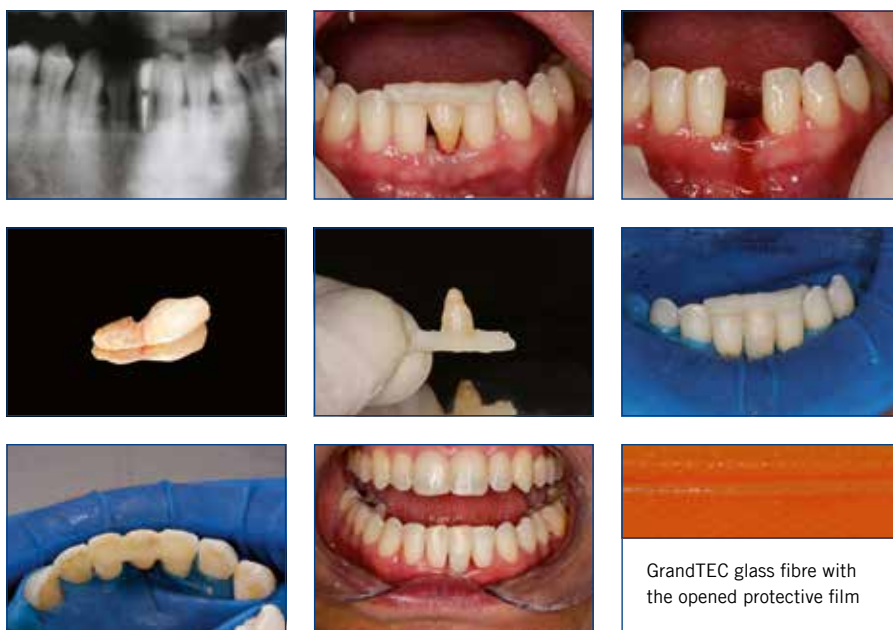
For temporary or semi-permanent treatment of a tooth space using an extracted, natural tooth

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

Advantages

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

Clinical Case



GrandTEC glass fibre with the opened protective film

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

Grandio®SO Heavy Flow

Flowable universal nano-hybrid restorative material – highly viscous



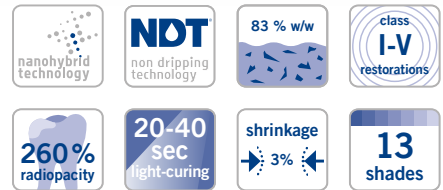
Indications

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

Advantages

- Increased stability in comparison to conventional flowables, i.e. no undesirable runoff

- Universal application – for indication-appropriate treatment of all cavity classes
- Physical properties superior to those of various other packable materials, e.g. hardness, stability, abrasion resistance
- Very high filler content of 83 % w/w
- Precise application with complete wetting of the cavity walls
- Precise dosing without excess for time-saving work
- Undercuts, approximal boxes and paragingival areas can be easily filled
- Ideal for use in combination with GrandTEC
- 13 shades for aesthetic restorations – perfectly coordinated with GrandioSO
- High shade stability
- Very good polishability and durable brilliance
- Available in the non-dripping NDT®-syringe and in Flow-Caps with flexible metal cannulae



| | | |
|--------------|---|-------------------------|
| 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 | – |

Grandio®SO Light Flow

Flowable nano-hybrid restorative material – low viscous

Indications

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

Advantages

- Low viscosity – outstanding flow properties and therefore optimally suitable for hard-to-reach areas and small cavities
- Extra-fine cannula – for precise and pinpoint application, dosage without excess residues
- High performance – excellent physical properties, e.g. filler content of 76 % by weight



| | | | |
|--------------|--|--------------|------------------------|
| REF 2585 | Set syringe 5 × 2 g (A1, A2, A3, A3.5, WO), shade guide, accessories | | |
| REF 2144 | Application cannulae type 44, 100 pcs. | | |
| REF 2147 | Application cannulae type 45, 100 pcs. | | |
| Shade | Syringe 2 × 2 g | Shade | Syringe 2 × 2 g |
| A1 | REF 2586 | B1 | REF 2590 |
| A2 | REF 2587 | WO | REF 2591 |
| A3 | REF 2588 | OA2 | REF 2592 |
| A3.5 | REF 2589 | Incisal | REF 2593 |

Bifix® Hybrid Abutment

Universal, dual-curing luting composite for intraoral and extraoral application



Indications

Permanent extraoral and intraoral luting of superstructures (incl. mesostructures) made of metal, ceramics, zirconium dioxide and polymers (composite, hybrid ceramics or PMMA) on

- prefabricated adhesive/titanium bases (extraorally only)
- customised titanium and zirconium dioxide bases (both extraorally and intraorally)
- dental hard tissue

Advantages

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

DC
dual-curing

auto mix

3
shades

| | |
|----------|--|
| REF 2410 | Implant Set – QuickMix syringe 10 g (universal HO), Try-In syringe 2.5 g, Ceramic Bond bottle 5 ml, Futurabond U <i>SingleDose</i> 5 pcs., accessories |
| REF 2411 | QuickMix syringe 10 g (universal HO), Try-In syringe 2.5 g, accessories |
| REF 2412 | QuickMix syringe 10 g (white HO), Try-In syringe 2.5 g, accessories |
| REF 2413 | QuickMix syringe 10 g (translucent), Try-In syringe 2.5 g, accessories |
| REF 2261 | Dispenser – QuickMix |

For further accessories see p. 23
Not available in Canada

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



self-etch
H+ H+ H+

DC
dual-curing

no conditioning

3
shades

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

Quick Up®

Secure retention for acrylic-based dentures



The retention of full dentures is often unsatisfactory, and their fixation becomes more complicated with the advancing age of the patient. Today, implants are a suitable and widely employed means of securing full dentures. As a rule, the existing denture can still be used and merely needs to be fitted with the requisite attachments or secondary components (matrices) for removable connection to the implants.

In Quick Up, VOCO now offers a method of denture retention which is both simple and cost-effective. It not only ensures firm retention and greater comfort, but also prevents undesirable locking of attachments and secondary components to the implants. Quick Up can be employed rapidly in the practice in three steps, without any complications and with predictable results. This makes it possible to avoid inaccuracies, which could occur during transfer to a model in the laboratory, and the patient is spared the unpleasant waiting time without their denture.

The Quick Up complete set contains all the necessary and coordinated components for attaching female parts, attachments and other securing devices to acrylic-based dentures. The set comprises a low-viscosity covering and control silicone (Fit Test C & B), a self-curing, gingiva-coloured luting composite (Quick Up), an adhesive (Quick Up Adhesive) and a light-curing, gingiva-coloured luting composite (Quick Up LC) for any corrections.

The three steps of the Quick Up method are always performed in the same fashion. In preparation for bonding the attachments / secondary components, the first step is to grind free the marked areas in the denture base until the denture can be inserted over the implants with their positioned attachments / secondary components, without any hindrances and without contact between them. Their seating in the denture base is also checked with the control and covering silicone Fit Test C & B, and corrections are made as necessary. In the next step, the Fit Test C & B is removed and the adhesive applied. If necessary, the primary components are subsequently blocked out with the silicone. The attachments / secondary components are now positioned on the implants in the mouth and the openings in the denture base are filled to about two thirds with Quick UP. The denture is then inserted and the patient's teeth are brought into occlusion under control. After three and a half minutes, the luting agent has chemically cured and the denture can be removed. In the third step, any deficiencies are filled with the light-curing material Quick UP LC under visual control and cured. This is followed by finishing and polishing as usual. The result is a denture base with cleanly and securely luted attachments and secondary components.

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.

Application



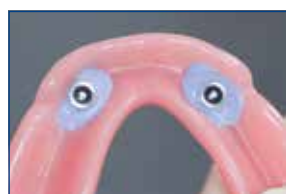
Implant with fitted attachments



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



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

Meron (Application capsule)

Radiopaque glass ionomer luting cement



| | |
|--------------------------------|------------------------------|
| REF 1242 | Application capsule 50 pcs. |
| REF 1243 | Application capsule 150 pcs. |
| REF 2331 | Applicator – AC type 1 |
| <i>Not available in Canada</i> | |

Indications

Luting of

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

Advantages

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



In the new application capsule

- Activated quickly and simply, without activator
- Mix, open cannula and use immediately with an applicator
- Fits all conventional applicators

Meron

Glass ionomer luting cement

Indications

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

Advantages

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



| | |
|--------------------------------|--|
| REF 1086 | Set powder / liquid (35 g / 15 ml) |
| REF 1090 | Set mini powder / liquid (15 g / 7 ml) |
| <i>Not available in Canada</i> | |

Structur 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 6 shades

Durability

- high compressive strength
- excellent fracture resistance



nanohybrid technology

SC
self-curing

auto mix

no polishing

temporary

6
shades

| | | |
|----------|---|--|
| REF 2500 | Set cartridge 50 ml 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. | |
| | 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 | – |
| BL | REF 2510 | – |
| | QuickMix syringe 5 ml, mixing tips type 10 | |
| A1 | REF 2515 | |
| A2 | REF 2516 | |
| A3 | REF 2517 | |

Clinical Case



Initial situation



Prepared cores



Finished temporary bridge



Appealing result

Source: Dr. Walter Denner, Fulda / Germany

Provicol® QM Plus

Eugenol-free temporary luting cement with calcium hydroxide

Indications

Temporary luting of provisional restorations (crowns, bridges, inlays and onlays)

Temporary luting of definitive restorations (crowns, bridges, inlays and onlays)

Temporary obturation of small single-surface cavities

Advantages

- Increased strength for more retention and secure adhesion
- High level of radiopacity



| | | | |
|--------------------------|-----------------|-----------|------------------------------|
| 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® 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

- Fast application without mixing
- Bubble-free perfect mixing
- Direct application



| | | | |
|--------------------------|-----------------|-----------|------------------------------|
| SC self-curing | auto mix | temporary | contains Ca(OH) ₂ |
|--------------------------|-----------------|-----------|------------------------------|

| | |
|----------|--|
| REF 1074 | 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. |

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-sticky
- 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. |

V-Posil Mono Fast

Precision impression material, VPS

Indications

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 addition-curing 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



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

Further products from the V-Posil line you will find at www.voco.dental.



Oral Care

Restoratives (Composites)

Luting

Temporaries

Impression /
Denture relining

CAD / CAM

Devices / Accessories

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



| | | |
|--------------------------|-----------------|-------------------|
| 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. |
| <i>Not available in Canada</i> | |

Fit Test® C & B

Addition-curing silicone material for checking of prosthetic reconstructions

Indications

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

Advantages

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



| |
|-----------------|
| auto mix |
|-----------------|

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

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. |

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 1066 | Bottle 2 × 3 ml |
| 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. |

Ufi Gel® SC · Ufi Gel® P

Permanently soft, cold-curing relining material on silicone base



SC
self-curing

auto mix

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

| | |
|--------------------|---|
| 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 2077 | Glazing bottle 2 × 10 ml (base / catalyst) |
| 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



Oral Care

Restoratives (Composites)

Luting

Temporaries

Impression / Denture relining

CAD / CAM

Devices / Accessories

Grandio® blocs · Grandio® disc

Nano-ceramic hybrid CAD / CAM material



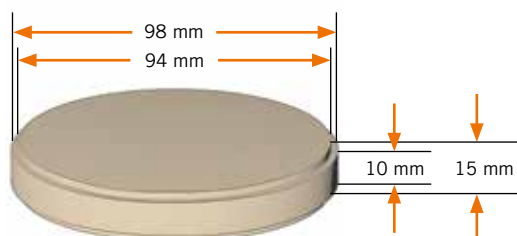
Indications

Crowns, inlays, onlays, veneers
Implant supported crowns

Advantages

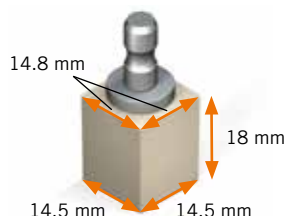
- Highest filler content (86 % w/w)
- Resembles natural teeth perfectly
- Excellent physical values for flexural strength and abrasion
- No firing required
- Can be processed using any conventional milling unit
- Can be polished and repaired optimally
- Ideal for milling even in cases with thin edges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

Size disc

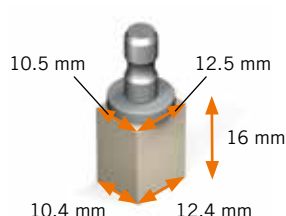


Sizes blocs

No. 14L



No. 12



| 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 |
| Grandio® disc | | |
| Low translucent (LT) | 1 × 15 mm, ø 98 mm | |
| A1 LT | REF 6050 | |
| A2 LT | REF 6051 | |
| A3 LT | REF 6052 | |
| A3.5 LT | REF 6053 | |
| B1 LT | REF 6054 | |
| C2 LT | REF 6055 | |
| BL LT | REF 6056 | |
| High translucent (HT) | 1 × 15 mm, ø 98 mm | |
| A1 HT | REF 6057 | |
| A2 HT | REF 6058 | |
| A3 HT | REF 6059 | |
| A3.5 HT | REF 6060 | |

VOCO TRUSTED PARTNER

The list of devices is continually extended and can be found at www.voco.dental/devicesgrandio

Also available for PlanMill®



Further Information here
www.voco.dental

V-Print® SG

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

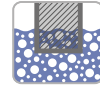
Medical device class IIa – approved for wound contact

Indications

Dental drilling templates

Advantages

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



VOCO TRUSTED PARTNER

All print partners can be found here www.voco.dental/3dprintingpartners

REF 6043 Bottle 1000 g clear

V-Print® tray

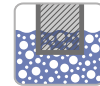
Light-curing resin for the generative production of individual trays, base plates and occlusal registrations

Indications

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

Advantages

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



VOCO TRUSTED PARTNER

All print partners can be found here www.voco.dental/3dprintingpartners

REF 6047 Bottle 1000 g blue



Further products from the V-Print line you will find at www.voco.dental.

VOCO Dynamic Dispenser

Dynamic mixing device



REF 9140 Mixing device 230 V
Not available in Canada

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

Oral Care

Restoratives (Composites)

Luting

Temporaries

Impression / Denture relining

CAD / CAM

Devices / Accessories

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

Produktvorteile

- State-of-the-art LED technology with high light intensity (approx. 1,300 mW / cm²)
- Slim and ergonomic design (pen-shaped); weight of the handpiece, including device base and light guide, 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



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.

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

Applicator for the direct administration of glass ionomer cement restorative and luting materials in application capsules (AC)



REF 2331 Applicator – AC type 1

Oral Care

Restoratives (Composites)










Luting







Temporaries

Impression / Denture relining

CAD / CAM

Devices / Accessories

| Mixing tips | | | | | |
|-------------|--|--|----------|---|---|
| REF 2185 | Mixing tips type 6 for Structur 3 in cartridge, 50 pcs. |  | REF 2194 | Mixing tips type 14 for Bifix SE, 50 pcs. |  |
| REF 2187 | Mixing tips type 8 for Ufi Gel SC, 50 pcs. |  | REF 2195 | Mixing tips type 15 (with intraoral tips type 1) for Bifix SE, 50 pcs. |  |
| REF 2188 | Mixing tips type 9 for Bifix Hybrid Abutment, Fit Test C & B, 50 pcs. |  | REF 2196 | Mixing tips type 16 (for intraoral tips type 2) for Registrado Clear, Registrado X-tra, V-Posil Mono Fast in cartridge, 50 pcs. |  |
| REF 2189 | Mixing tips type 10 for Provicol QM, Provicol QM Plus, Quick Up, Structur 3 in the QuickMix syringe, 50 pcs. |  | REF 2203 | Mixing tips type 30 for V-Posil Mono Fast in large cartridge, 50 pcs. |  |
| REF 2191 | Mixing tips type 11 for Bifix Hybrid Abutment, Fit Test C & B only with intraoral tips type 1, 50 pcs. |  | | | |

| Application cannulae | | | | | |
|----------------------|--|---|----------|--|---|
| REF 2146 | Application cannulae type 41 for Bifix Hybrid Abutment, GrandTEC, 100 pcs. |  | REF 2147 | Application cannulae type 45 for GrandioSO Light Flow, 100 pcs. |  |
| REF 2310 | Application cannulae type 42 for Vococid, 30 pcs. |  | REF 2148 | Application cannulae type 46 for Clip Flow, GrandioSO Heavy Flow, GrandTEC, 100 pcs. |  |
| REF 2144 | Application cannulae type 44 for Quick Up LC, 100 pcs. |  | REF 2132 | Application cannulae type 48 for Vococid, 50 pcs. |  |

| Intraoral tips | | | | | |
|----------------|--|---|----------|--|---|
| REF 2139 | Intraoral tips type 1 for Bifix Hybrid Abutment, Bifix SE, Fit Test C & B, 50 pcs. |  | REF 2133 | Intraoral tips type 6 for V-Posil Mono Fast, 50 pcs. |  |
| REF 2140 | Intraoral tips type 2 for Registrado Clear, Registrado X-tra, 50 pcs. |  | REF 2142 | Intraoral tips type 4 for Bifix Hybrid Abutment, 50 pcs. |  |

Oral Care

Restoratives (Composites)

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