The dental digitalisation is moving forward. This not only applies to the materials and their processing, but also to the entire workflow and the interfaces between the dental practice and laboratory. VOCO sees itself as a partner of both sides and with products “Made in Germany” they want to dedicate to a profitable cooperation across all interfaces.

Our goal is reliable workflows for results of the highest and constant quality. We precisely synchronize disposable materials and processing units. At the same time, open interfaces are offered in order to ensure a maximum flexibility of the laboratory and dental practice.

Many attractive options are offered to you, for example, by our Trusted Partners: Thanks to intensive cooperation with selected partners, our milling and 3D printing materials can be used with numerous devices form third-party manufacturers. For your freedom – and for first-class results.

Inform yourself on the next page about our versatile programme in proven VOCO quality “Made in Germany”:  
- Disposable materials and devices for additive processes in 3D printing  
- Blanks for subtractive production, suitable for many known milling units  
- Materials – approved in daily routine – for luting, relining, fabrication of temporary restorations, execution of repairs and impressions  
- Tools and cleaning agents to facilitate your workflows

Orient yourself quickly and easily in our catalogue and use our icons to identify the key product features of each product at a glance.

We will be pleased to answer your questions in regards to our products and their application. You can contact us at 0800 44 444 555 or visit our website, which is available to you around the clock: www.voco.dental.

Find news, information and other VOCO fans at Facebook, Instagram and YouTube!

With kind regards from Cuxhaven

Your VOCO-Team
LABORATORY PRODUCTS

FURTHER PRODUCTS

ICONS

The VOCO laboratory catalogue provides the comprehensive information on every individual product that you are used to, giving a quick and practical overview of the laboratory product range. The main product characteristics are now immediately accessible at a glance: Our new icons visualise the core properties, providing instant information on whether you are looking at a dual-curing or self-curing material, which indications apply to a product, or the number of shades in which it is offered.

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.

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.

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

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

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.

Indications
This product can be used for temporary types of treatment. 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.

Working directions
This product does not require additional polishing when completely cured. 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.

Curing of the material
This product cures through exposure to light. 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.

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.

Hardness of the material
This product possesses the Shore A hardness shown.

Indication of retention time
in the mouth
This product is retained in the mouth for the minimum duration shown.

Mark the content of the image with the following tags:

- dual-curing
- self-curing
- light-curing
- self-etching
- Shore-A
- DC
- SC
- ≤ 2 min.
- ≥ 2 min.
- temporary
- no polishing
- ceramic
- CAD/CAM
DIGITAL WORKFLOW

ADDITIVE VS. SUBTRACTIVE

DIGITAL SCAN

C.A.D. SOFTWARE¹

C.A.M. SOFTWARE²

NESTING/SLICING

NESTING

C.A.D. / C.A.M. MATERIALS

RESINS

BLOCKS / DISCS

C.A.M. – COMPUTER-AIDED-MANUFACTURING

3D-PRINTER

MILLING MACHINE

POST-PROCESSING

CLEANING, REMOVAL OF SUPPORT-STRUCTURES, LIGHT-CURING, GRINDING AND POLISHING

CLEANING, REMOVAL OF CONNECTORS, POLISHING

1 Computer Aided Design
2 Computer Aided Manufacturing
V-Print® cast
Light-curing resin for the generative production of burn-out objects for casting and pressing processes

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

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

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

V-Print® tray
REF 6047  Bottle 1000 g blue

Not available in Canada

All partners can be found here www.voco.dental/systempartner
**V-Print® splint**

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

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

**Advantages**
- **Classified as MD IIa** – for safety and long-term therapy use
- **Biocompatible and flavourless** – for excellent customer acceptance
- **Transparent** – for hardly noticeable splints
- **High flexural strength** – for long-lasting objects
- **High precision** – a great fit for good wearing comfort

---

**V-Print® splint comfort**

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

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

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

---

All partners can be found here: [www.voco.dental/systempartner](http://www.voco.dental/systempartner)
**V-Print® model 2.0**

Light-curing resin for the generative production of dental models

**Indications**
Dental working and presentation models

**Advantages**
- **Fast and precise** – optimal fit also with layer thicknesses of 100 μm
- **Precisely grindable** – no unwanted changes on the workpiece (e.g. due to instrumental heat input)
- **Scratch-resistant surface** – high hardness enables fitting without deformation
- **Suitable for thermoforming technique** – precise working, aligner or retainer models from one material without changing the vat

**V-Print® model fast**

Light-curing resin for the generative production of fast printable models, especially for the dental thermoforming technique (e.g. for aligner or retainer splints)

**Indications**
Dental models

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

---

*Images and QR codes are not included in the text representation.*
V-Print® dentbase
Light-curing resin for the generative production of denture bases for removable prostheses

Indications
Removable denture bases

Advantages
• **Classified as MD IIa** – for safety and long-term use
• **Highly aesthetic** – with natural gingiva colour
• **High wearing comfort** – thanks to precise, custom-fit fabrication
• **Compatible** – with commercially available lining materials
• **Safe removal from the build platform** – thanks to high green strength
• **Optimal customer acceptance** – flavourless and odourless
• **Biocompatible** – that goes without saying

**SUITABLE WITH:**
CediTEC DT . . . . . . . . p. 10
CediTEC . . . . . . . . . p. 11

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

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

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

**SUITABLE WITH:**
CediTEC DT . . . . . . . . p. 10
CediTEC . . . . . . . . . p. 11
V-Print® SG
Light-curing resin for the generative production of dental drilling templates

Indications
Dental drilling templates

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

V-Print® SG
REF 6043  Bottle 1000 g clear

V-Print® c&b temp
Light-curing resin for the generative production of highly aesthetic temporaries / long-term temporaries

Indications
Long-term temporaries like crowns, bridges and mock-ups

Advantages
• High-filled printing material – especially for long-term application
• Excellent physical properties:
  – high flexural strength and moduls of elasticity for stable temporaries
  – high abrasion resistance for long wearing time
  – low water absorption and solubility for mechanical stability
  – discolouration resistant – no discolouration with long wearing time
• Natural fluorescence – for high aesthetic demands
• Easy to process and polish
• Composite printing material – quick to characterise or adapt

V-Print® c&b temp
REF 6897  Bottle 500 g A1
REF 6898  Bottle 500 g A2
REF 6899  Bottle 500 g A3
Not available in Canada
CediTEC® DT  Denture Teeth
CAD / CAM composite for denture teeth

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

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

<table>
<thead>
<tr>
<th>Shade</th>
<th>CAD / CAM</th>
<th>SHADE</th>
<th>1 × 20 mm, ø 98 mm</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>REF 6085</td>
<td></td>
<td></td>
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<tr>
<td>A2</td>
<td>REF 6086</td>
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<td>A3</td>
<td>REF 6087</td>
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<tr>
<td>BL</td>
<td>REF 6088</td>
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</tbody>
</table>

Not available in Canada

SUITABLE WITH:
- V-Print dentbase... p. 8
- V-Print Try-In..... p. 8
- CediTEC DB ....... p. 11
- CediTEC ........... p. 11

All partners can be found here
www.voco.dental/systempartner
CediTEC® DB  
**Denture Base**

High-impact PMMA for the fabrication of denture bases for removable dentures

### Indications
Fabrication of denture bases for removable dentures

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

<table>
<thead>
<tr>
<th>Shade</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>pink</td>
<td>1 × 30 mm, ø 98 mm</td>
</tr>
<tr>
<td>dark-pink</td>
<td>REF 6195</td>
</tr>
<tr>
<td>orange-pink</td>
<td>REF 6197</td>
</tr>
</tbody>
</table>

**Not available in Canada**

CediTEC® Adhesive

Luting system for denture teeth in denture bases

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

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

### CediTEC® Adhesive

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

**SUITABLE WITH:**

- V-Print dentbase . . . . . . p. 8
- CediTEC DT . . . . . . . . . p. 10
- CediTEC DB . . . . . . . . . p. 11
Structur CAD

CAD / CAM composite for temporary restorations

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

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

Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
<th>Reference</th>
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<tbody>
<tr>
<td>Filler content</td>
<td>27 % w/w</td>
<td>DIN 51081</td>
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<tr>
<td>3-point-flexural-strength</td>
<td>136 MPa</td>
<td>Analogous ISO 10477</td>
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<tr>
<td>E-modulus</td>
<td>4.4 GPa</td>
<td>Analogous ISO 10477</td>
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<tr>
<td>Compressive strength</td>
<td>477 MPa</td>
<td>Analogous ISO 9917</td>
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<tr>
<td>Abrasion (200,000 cycles)</td>
<td>85 μm</td>
<td>ACTA-3-media</td>
</tr>
<tr>
<td>Radiopacity</td>
<td>80 % Al</td>
<td>Internal measurement</td>
</tr>
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</table>

Struktur CAD

<table>
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<tr>
<th>Block</th>
<th>Shade</th>
<th>5 x No. 40L</th>
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<tbody>
<tr>
<td>A1</td>
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</tr>
<tr>
<td>A2</td>
<td>REF 6077</td>
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<td>A3</td>
<td>REF 6078</td>
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</table>

<table>
<thead>
<tr>
<th>Disc</th>
<th>Shade</th>
<th>1 x 20 mm, ø 98 mm</th>
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<tbody>
<tr>
<td>A1</td>
<td>REF 6071</td>
<td></td>
</tr>
<tr>
<td>A2</td>
<td>REF 6072</td>
<td></td>
</tr>
<tr>
<td>A3</td>
<td>REF 6073</td>
<td></td>
</tr>
</tbody>
</table>
Size disc

Size block

Example – Restoration

Dr. Yassine Harichane, France / Canada

Clinical case

Unsatisfactory initial situation
Initial situation – close-up
CAD / CAM bridge on the model
Structur CAD after insertion

Source: Dr. Felipe Araujo, Brazil
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
- Highly aesthetic due to multicolor shades – ideal for the anterior region
- 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

Technical Data
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Filler content</td>
<td>86 % w/w</td>
<td></td>
</tr>
<tr>
<td>Biaxial flexural strength</td>
<td>333 MPa</td>
<td></td>
</tr>
<tr>
<td>E-modulus</td>
<td>18.28 GPa</td>
<td></td>
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<tr>
<td>Compressive strength</td>
<td>530 MPa</td>
<td></td>
</tr>
<tr>
<td>Water uptake</td>
<td>13.6 µg/mm³</td>
<td></td>
</tr>
</tbody>
</table>

| Grandio® blocs          |                |                |
|                        | Low translucent (LT) |                |
| Shade                  | 5 x No. 12 | 5 x 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) |                |
| Shade                  | 5 x No. 12 | 5 x 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) |                |
| Shade                  | 1 x 15 mm, ø 98 mm |                |
| A1 LT                  | REF 6050      |                |
| A2 LT                  | REF 6051      |                |
| A3 LT                  | REF 6052      |                |
| A3.5 LT                | REF 6053      |                |

|                        | High translucent (HT) |                |
| Shade                  | 1 x 15 mm, ø 98 mm |                |
| A1 HT                  | REF 6057      |                |
| A2 HT                  | REF 6058      |                |
| A3 HT                  | REF 6059      |                |
| A3.5 HT                | REF 6060      |                |

| Grandio® disc multicolor |                |                |
| Shade                   | 1 x 15 mm, ø 98 mm |                |
| A1                      | REF 6216      |                |
| A2                      | REF 6217      |                |
| A3                      | REF 6218      |                |
| A3.5                    | REF 6219      |                |
| B1                      | REF 6220      |                |
| C2                      | REF 6221      |                |

SUITABLE WITH:
FinalTouch . . . . . . . . p. 17
GrandioSO Flow. . . . . . . p. 18
GrandioSO Light Flow . . . . p. 19

TIP:
Ideal for individualisation
**Size disc**

![Size disc diagram](image)

**Sizes blocs**

**No. 14L**

- 14.8 mm
- 18 mm
- 14.5 mm

**No. 12**

- 10.5 mm
- 12.5 mm
- 10.4 mm
- 16 mm

**Notes for the use of Grandio disc multicolor**

Depending on the degree of customisation, the restoration can be moved within the three layers in the nesting software.

- Towards the incisal layer
- Central
- Towards the tooth neck

**Clinical case**

- Initial situation
- Prepared cores
- Adhesive luting of Grandio blocs crowns
- After luting and polishing

- View directly after insertion
- Satisfied patient at the 6-month check-up

Source: Prof. Breno de Mont’Alverne, Brazil
Celalux 3

High-Power LED curing-light for light-curing composites

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

Advantages
- State-of-the-art LED technology with high light intensity (approx. 1,300 mW / cm²)
- Wavelength range 450 - 480 nm
- Slim and ergonomic design (pen-shaped); weight of the handpiece, including device base and light guide, weighs only 70 g
- Indicates how much time has elapsed by vibrating at the start, and again after 10 s and 20 s, instead of the acoustic signals previously used
- Easy to handle, cordless
- Autoclavable 8 mm light guide
- The spare device base supplied ensures the device is always ready for use
- Battery is very easy to change

Application

TIP:
Ideal for curing composites and paint colours such as
- FinalTouch . . . . . . . . . p. 17
- GrandioSO Flow . . . . . . . p. 18
- GrandioSO Light Flow . . . . p. 19

Accessories
- REF 9090 Celalux 3 (handpiece, battery charger, power cord with interchangeable mains adapters, 2 Device Bases, 8 mm light guide, rubber shield, operating instructions)
- REF 9091 Light guide 8 mm, autoclavable
- REF 9092 Device Base
- REF 9093 Rubber shield, 5 pcs.
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
- 5 colours with opacity corresponding to the area of application

**SUITABLE WITH:**
- GrandioSO Flow... p. 18
- GrandioSO Light Flow... p. 19

**TIP:**
- Coating with composites
- Curing with at least 500 mW/cm² (LED/halogen), e.g. Celalux 3 on page 16

**FinalTouch®**
- Set syringe 5 x 1.5 g (white, blue, yellow, orange, brown), accessories
- Syringe 1.5 g white, accessories
- Syringe 1.5 g blue, accessories
- Syringe 1.5 g yellow, accessories
- Syringe 1.5 g orange, accessories
- Application cannulae type 45, 100 pcs.

*Not available in Canada*
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

TIP:
The curing works perfectly with the Celalux 3 (p. 16)
**Grandio®SO Light Flow**

Flowable nano-hybrid restorative material – low viscous

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

**Advantages**
- **Low viscosity** – outstanding flow properties and therefore optimally suitable for hard-to-reach areas and small cavities
- **Extra-fine cannula** – for precise and pinpoint application, dosage without excess residues
- **High performance** – excellent physical properties, e.g. filler content of 76 % by weight
- **High aesthetics** – 8 shades for individualised applications

---

**Cannula**

finer than a periodontal probe

---

**TIP:**

Low-viscosity nano-hybrid composite for **delicate applications**

The curing works perfectly with the Celalux 3 (p. 16)
**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
- 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

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**Clinical case**

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**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

---

**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
• 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
• Fewer steps than with other cold-cured materials
• For all PMMA based dentures
• Easy and fast application of direct and indirect relining
• Excellent adaptation to fine details for a precise fit of the denture
• Resistant against standard denture cleansers

Clinical case

SEATING OF THE PROSTHESIS AND MOVEMENTS OF THE MANDIBLE
Individo® Lux
Preformed individual impression trays, light-curing

Indications
Production of individual impression and function trays for use in crown, bridge and total prosthetic techniques, for the production of bases for bite templates and for the production of occlusal registrations

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

**Indications**
Fabrication of individual impression and functional trays for use in crown, bridge and total prosthetic technique to be used for the fabrication of bases of bite patterns as well as for dimensionally stable base plates for wax contouring in the total prosthetic technique.

**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

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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

---

### Profibase

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

### Block Out Gel LC

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

*Not available in Canada*
Traypurol® tabs
Active-tabs for cleaning impression trays and instruments

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

**Advantages**
- Removes alginites and cements within a short amount of time
- Especially easy to dose
- No vigorous stirring necessary – the tabs automatically dissolve when placed in water
- Gentle to material – suitable for all rustproof metals (including aluminium) and plastics
- Bio-degradable and pH-neutral
- Can be used in ultrasonic baths

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Traypurol®
Concentrated cleaning agent for impression trays and instruments

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

**Advantages**
- Simply diluted in water
- Removes residues of alginites, zinc oxide eugenol, glass ionomer, carboxylate and phosphate cements
- Cleans trays and instruments reliably overnight
- Can be used in ultrasonic devices
- Suited also for non-oxidising metals and plastic
- Biodegradable and gentle

---

Traypurol® Tabs
REF 2355  50 pcs.

Traypurol®
Concentrated cleaning agent
REF 2289 Bottle 1 l
REF 2290 Canister 5 l
REF 2304 Dispenser pump – canister 5 l

*Not available in Canada*
With VOCO’s wide range of laboratory equipment, you are excellently set to carry out even the most demanding work with the highest precision. We also recommend our extensive portfolio for further workflow, because; all VOCO products – with flexible compatibility – are optimally matched to each other. For a comfortable handling and a high quality result, which convinces the patient in regards to the functionality, wearing comfort and stability as well as the aesthetics. On the following pages, we present, inter alia, our luting cements, silicones for bite registration and precision impression materials as well as various dispenser, mixing cannulas and application tips.
Quick Up®
Self-curing luting material for attachments and secondary denture parts

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

Advantages
• 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

Suitable with:
Fit Test C & B . . . . . . . p. 33
Bifix® QM

Dual-curing universal composite-based luting system

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

Advantages
• For all materials (metal, composite inlays and ceramic, also zirconium dioxide)
• Bubble-free perfect mixing
• Direct application
• Excellent adhesion to dentine, enamel and to metals
• Special one-step Ceramic Bond for optimal adhesion to porcelain
• Radiopaque
• Available in three shades
• Available as an all-in-one set

Application

Source: Prof. Jürgen Manhart, Munich / Germany

SUITABLE WITH:

Ceramic Bond . . . . . . . . . p. 28
**Bifix® Hybrid Abutment**

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

![Bifix Hybrid Abutment image]

**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

![Bifix Hybrid Abutment with highly opaque shades]

**Bifix® Hybrid Abutment**

**REF 2410**  
Implant Set – QuickMix syringe 10 g (universal HO), Try-In syringe 2.5 g, Ceramic Bond bottle 5 ml, Futurabond U SingleDose 5 pcs., accessories  

**REF 2411**  
QuickMix syringe 10 g (universal HO), Try-In syringe 2.5 g, accessories

**REF 2412**  
QuickMix syringe 10 g (white HO), Try-In syringe 2.5 g, accessories

**REF 2413**  
QuickMix syringe 10 g (translucent), Try-In syringe 2.5 g, accessories

**REF 2261**  
Dispenser – QuickMix  
For further accessories see p. 34/35

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**Ceramic Bond**

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

![Ceramic Bond image]

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

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

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

![Ceramic Bond SingleDose]

**Ceramic Bond**

**REF 1106**  
Bottle 5 ml

**REF 1107**  
SingleDose 50 pcs., accessories
**Provicol® QM**

Eugenol-free temporary luting cement with calcium hydroxide

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

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

---

**Provicol® QM Plus**

Eugenol-free temporary luting cement with calcium hydroxide

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

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

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**Provicol® QM**

- REF 1074 QuickMix syringe 5 ml, accessories
- REF 2261 Dispenser – QuickMix
- REF 2189 Mixing tips type 10, 50 pcs.

**Provicol® QM Plus**

- REF 1098 QuickMix syringe 5 ml, accessories
- REF 1099 Set QuickMix syringe 3 x 5 ml (2 x Provicol QM, 1 x Provicol QM Plus), accessories
- REF 2261 Dispenser – QuickMix
- REF 2189 Mixing tips type 10, 50 pcs.
Provicol® QM Aesthetic
Translucent, temporary luting cement with calcium hydroxide, eugenol-free

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

Advantages
• Highly aesthetic, translucent appearance
• Increased strength for more retention and secure adhesion
• Optimum flowability for easy cementation
• Pinpoint stability allows precise removal of excess material
• Accurate fit due to very low film thickness
• Eugenol-free: no inhibition of curing reaction of resin-based filling or luting materials
• Free from colophony: low allergy potential
• Contains calcium hydroxide and zinc oxide
  – Calcium hydroxide supports the formation of tertiary dentine und has bacteriostatic effect
  – Zinc oxide is known for its antibacterial effect
• Radiopaque

Clinical case
Easy removal of excess material
Attractive result with ZrO2 crowns

Source: Hamilton Renato Pereira Lima, Santos, São Paulo / Brazil
Registrado® X-tra
Addition-curing silicone for bite registration, extra hard, fast setting

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

**Advantages**
- Optimised final hardness
- Allows application without time pressure
- Highly thixotropic qualities
- Good grinding properties
- Very precise impressions
- With economic mixing tips

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

Registrado® X-tra
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

Registrado® Clear
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*
V-Posil Putty Fast · Putty Soft Fast · Heavy Soft Fast · Mono Fast

Precision impression material, VPS

Indications

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

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

V-Posil Mono Fast is to be used as a medium bodied tray or syringeable impression material for
- taking impressions over fixed / removable restorations and implants (i.e., transferring impression posts and bridge components)
- functional impressions
- fabricating crown and bridgework or inlays
- fabricating full or partial dentures
- reline impressions
- transferring root posts when fabricating posts and cores indirectly
- multi tray technique
- use in the simultaneous mixing technique as well as the putty-wash technique

Advantages

- High precision – strongly hydrophilic addition-curing silicone for good wetting of oral structures
- Treatment comfort – long working time combined with a short intraoral setting time*
- Safe removal – high toughness allows removal without damaging filigree structures
- Perfect prosthetics – good hydrophilicity and high recovery after deformation of the set impression makes the pouring out and thus the restoration perfect

* V-Posil Putty Fast 380 ml: Extraoral working time ≤ 01:30 min., time in mouth ≥ 02:30 min.
Cimara®
Material for ceramic repair with light-curing composite

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

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

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
Dispenser type 2
Dispenser to extrude dental materials from cartridges
For 1:1 or 1:2 cartridges (50 ml)

QuickMix Dispenser
Dispenser to extrude dental materials from QuickMix syringes
For 1:1 QuickMix syringes

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

REF 2158  Dispenser – type 2
REF 2261  Dispenser – QuickMix
REF 2244  Dispenser – application brushes

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions of polymerisation chamber</td>
<td>120 × 120 × 50 mm</td>
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<tr>
<td>Rated voltage</td>
<td>100, 117, 230 volt AC, adjustable by switch</td>
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<tr>
<td>Power input</td>
<td>250 watt</td>
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<tr>
<td>Spectral distribution</td>
<td>280–700 nm, max. between 400 and 500 nm</td>
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<tr>
<td>Flash frequency</td>
<td>10 flashes per second</td>
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<tr>
<td>Digital timer</td>
<td>adjustable from 1 to 9,999 flashes</td>
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<tr>
<td>Dimensions</td>
<td>310 × 310 × 140 mm</td>
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<tr>
<td>Weight</td>
<td>6 kg</td>
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### Mixing tips

<table>
<thead>
<tr>
<th>Reference</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF 2187</td>
<td>Mixing tips type 8 for Ufi Gel hard C, Ufi Gel SC, 50 pcs.</td>
</tr>
<tr>
<td>REF 2188</td>
<td>Mixing tips type 9 for Bifix Hybrid Abutment, Fit Test C &amp; B, 50 pcs.</td>
</tr>
<tr>
<td>REF 2189</td>
<td>Mixing tips type 10 for Quick Up, Provicol QM / Plus / Aesthetic, 50 pcs.</td>
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<tr>
<td>REF 2191</td>
<td>Mixing tips type 11 for Bifix Hybrid Abutment, Bifix QM, Fit Test C &amp; B only with intraoral tips type 1, 50 pcs.</td>
</tr>
<tr>
<td>REF 2196</td>
<td>Mixing tips type 16 (for intraoral tips type 2) for Registrado Clear / X-tra / Scan, V-Posil Heavy Soft Fast in cartridge, V-Posil Mono Fast in cartridge, 50 pcs.</td>
</tr>
<tr>
<td>REF 2198</td>
<td>Mixing tips type 12 for Quick Up LC, Provicol QM / Plus / Aesthetic, 50 pcs.</td>
</tr>
<tr>
<td>REF 2202</td>
<td>Mixing tips type 20 for CediTEC, 50 pcs.</td>
</tr>
<tr>
<td>REF 2203</td>
<td>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.</td>
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</table>

### Intraoral tips

<table>
<thead>
<tr>
<th>Reference</th>
<th>Details</th>
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<tbody>
<tr>
<td>REF 2139</td>
<td>Intraoral tips type 1 for Bifix Hybrid Abutment, Bifix QM, Fit Test C &amp; B, 50 pcs.</td>
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<tr>
<td>REF 2140</td>
<td>Intraoral tips type 2 for Registrado Clear, Registrado X-tra, Registrado Scan, 50 pcs.</td>
</tr>
<tr>
<td>REF 2142</td>
<td>Intraoral tips type 4 for Bifix Hybrid Abutment, Bifix QM, 50 pcs.</td>
</tr>
<tr>
<td>REF 2143</td>
<td>Intraoral tips type 6 for V-Posil Mono Fast, 50 pcs.</td>
</tr>
<tr>
<td>REF 2133</td>
<td>Intraoral tips type 8 for Quick Up LC, Provicol QM / Plus / Aesthetic, 50 pcs.</td>
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### Application cannulae

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<th>Details</th>
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<tr>
<td>REF 2146</td>
<td>Application cannulae type 41 for Bifix Hybrid Abutment, GrandioSO Flow, 100 pcs.</td>
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<tr>
<td>REF 2147</td>
<td>Application cannulae type 45 for Cimara Opaquer LC, FinalTouch, GrandioSO Light Flow, 100 pcs.</td>
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<tr>
<td>REF 2144</td>
<td>Application cannulae type 44 for Block Out Gel LC, GrandioSO Light Flow, Quick Up LC, 100 pcs.</td>
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