



## DENTAL PROGRAMME



## WELCOME TO THE DENTALISTS!

Dear customers and business partners,

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

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

In addition, VOCO carries over their expertise in the light-curing resins area to the digital dentistry: whether with ultramodern 3D printers, the worldwide successful printing materials of the V-Print family or innovative composite blocs for CAD/CAM applications. VOCO develops products, which meet the highest demands of dentists and dental technicians. For the first time it is possible to fabricate complete prosthesis with our CediTEC and V-Print dentbase in just one set – from the base via the prosthetic teeth to the luting material (more about this from page 46).

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 or our Country Manager David Reyno (mobile: +61 401 747 037). Of course, our Customer Service department will also be pleased to help (contact them by e-mail to [service@voco.de](mailto:service@voco.de)).

Product information, instructions for use, scientific information, clinical cases and more are available for you on [www.voco.dental](http://www.voco.dental).

News, information and other VOCO fans can be found on Facebook, Instagram and Youtube!

**Your VOCO GmbH**



[www.voco.dental](http://www.voco.dental)

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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.

	<p><b>Material composition</b> Both the fillers and the resin matrix of this product are based purely on silicon oxide.</p>		<p><b>Method of application</b> 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><b>Material composition</b> This product is based on nano-hybrid technology.</p>		<p><b>Method of application</b> Separate etching of the tooth surface is necessary before the adhesive system (bond) is used. For detailed information, please consult the instructions for use.</p>
	<p><b>Application of the material</b> This material is available in the non-running, non-dripping NDT®-syringe.</p>		<p><b>Method of application</b> 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><b>Indications</b> 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><b>Filler content</b> This product has a defined filler content, which is indicated in percent by weight.</p>
	<p><b>Radiopacity</b> 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><b>Hardness of the material</b> This product possesses the shore A hardness shown.</p>
	<p><b>Fluoride content</b> This product contains the level of fluorides indicated. For detailed information, please consult the instructions for use.</p>		<p><b>Material compatibility</b> This product can be used with the materials indicated. For detailed information, please consult the instructions for use.</p>
	<p><b>Indication of working time</b> The maximum extraoral working time for this product is as shown. For detailed information, please consult the instructions for use.</p>		<p><b>CAD / CAM</b> This product is suitable for use in digital dentistry. For detailed information, please consult the instructions for use.</p>
	<p><b>Indication of retention time in the mouth</b> This product is retained in the mouth for the minimum duration shown. For detailed information, please consult the instructions for use.</p>		<p><b>Format of communication data</b> This product processes the data format indicated.</p>
	<p><b>Working directions</b> 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.</p>		<p><b>Non-sedimenting</b> This product is non-sedimenting. The product enables additive manufacturing of objects from homogeneous solution throughout the entire printing process.</p>
	<p><b>Curing of the material</b> 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><b>Flowable Injection Technique</b> This product is suitable for the Flowable Injection Technique. The material is applied through a transparent silicone key.</p>
	<p><b>Volume shrinkage</b> During setting, this product is subject to the volume shrinkage indicated in percent.</p>		<p><b>Fluorescent</b> Excellent visibility thanks to activatable fluorescence (UV-A light).</p>
	<p><b>VTT</b> Translucent before light polymerisation – aesthetic opacity matching the natural tooth after light polymerisation.</p>		<p><b>Invisible Layer Technology</b> This product imitates the gradient in the shades of a natural tooth. The individual layers blend seamlessly into one another, which creates a highly aesthetic gradient.</p>
	<p><b>Mineral trioxide aggregate (MTA)</b> Calcium silicate-based material for maintaining the vitality of the pulp.</p>		<p><b>Vital Pulp Therapy (VPT)</b> Concept and techniques for preserving the vitality of the dental pulp.</p>

## 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	presentation	special characteristics
7	CleanJoy	700 ppm	coarse (195), medium (127), fine (16)	Mint, cherry, caramel	tube	xylitol, "traffic light coding"

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

Fluoridation · Desensitisation						
Page		fluoridation	desensitisation	fluoride content	presentation	flavour
10	Bifluorid 10	•	•	22,600 ppm	SingleDose, bottle	clinical
11	Remin Pro	•	•	1,450 ppm	tube	mint, melon, strawberry
11	VOCO Perfect Protect		•	1,130 ppm	syringe	neutral
12	VOCO Profluorid Varnish + BioMin	•	•	22,600 ppm	SingleDose, tube	mint, caramel, cherry, bubble gum
13	VOCO Profluorid Varnish	•	•	22,600 ppm	SingleDose, tube, cartridge	mint, melon, caramel, cherry, bubble gum, cola lime, pina colada

## 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

# 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

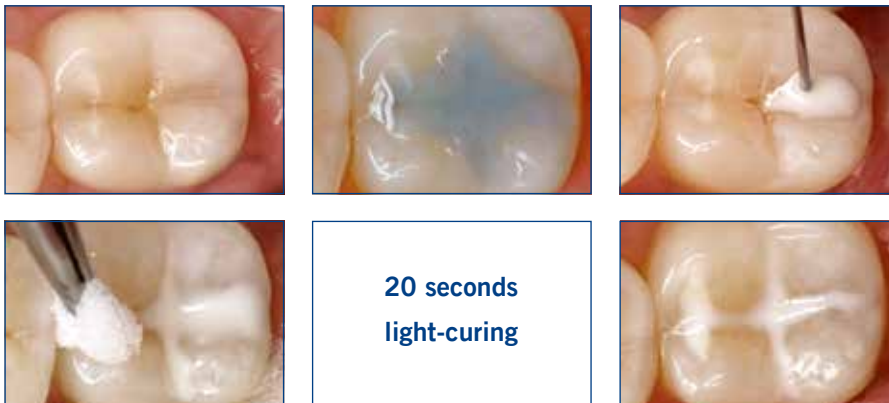
## Advantages

- 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

REF 1060	Set syringe 5 × 2 g, Vococid gel syringe 5 ml, accessories
REF 1061	Syringe 2 × 2 g, accessories
REF 2147	Application cannulae type 45, 100 pcs.

Professional cleaning

Fissure sealing

Prophylaxis

Whitening

Desensitiser

## Fissurit® FX

Highly filled light-curing fissure sealant with fluoride, white

### Indications

Sealing/filling pits and fissures as well as small cavities

Sealing/facing of damaged enamel surfaces

Anchoring orthodontic appliances and covering caries predilection sites during orthodontic treatments

Sealing composite or cement fillings (protective layer against humidity)

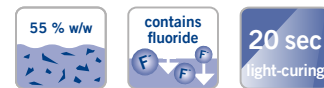
Sealing carious lesions to stop them

Restoring small defects in composite and amalgam fillings

Sealing deciduous teeth

### 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.

## Fissurit® F

Light-curing fissure sealant with fluoride, white

### Indications

Sealing/filling pits and fissures as well as small cavities

Sealing/facing of damaged enamel surfaces

Anchoring orthodontic appliances and covering caries predilection sites during orthodontic treatments

Sealing composite or cement fillings (protective layer against humidity)

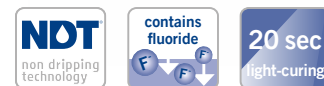
Sealing carious lesions to stop them

Restoring small defects in composite and amalgam fillings

Sealing deciduous teeth

### 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 1292	Syringe 2 × 2 g, accessories
REF 2145	Application cannulae type 40, 100 pcs.



# Bifluorid 10®

Fluoride varnish for the treatment of dental hypersensitivity



REF 1616	Bottle 10 g
REF 1618	SingleDose 50 pcs., accessories
REF 2247	Single Tim, application brushes, 100 pcs.
REF 2252	Pele Tim, No. 1, 3.000 × ø 4 mm

## Indications

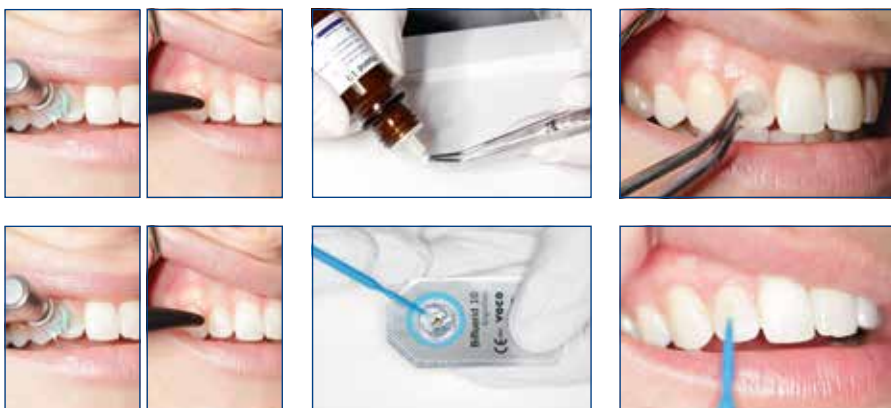
Treatment of all hypersensitivities (dentine hypersensitivity) including:

- hypersensitivities of cervical areas and crown margins
- hypersensitivity after professional cleaning and calculus removal
- hypersensitivity of tooth surfaces after preparation and / or grinding
- hypersensitivity due to worn occlusal surfaces and teeth carrying clasps
- hypersensitivity after injury of the enamel (e.g. fractures, chipping)
- sealing of cavity margins after restoration, especially after the etching technique has been employed
- as dentine protection/lining under amalgam fillings

## Advantages

- Immediately desensitising
- Formation of a protective coat against thermal and mechanical influences
- Transparent – no discolouration of teeth
- Special varnish base reinforces long-term effect and deep fluoridation
- Economical and simple – high yield, low cost, fast application
- Dries quickly
- Colophony-free
- Contains 5 % sodium fluoride (equal to 22,600 ppm fluoride) and 5 % calcium fluoride
- Bleaching compatible, reduction of sensitivity, without hindering the bleaching treatment

## Application



Professional cleaning

Fissure sealing

Prophylaxis

Whitening

Desensitiser

# Remin Pro®

Protective dental care with fluoride and hydroxy apatite



### Indications

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

### Advantages

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



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

# VOCO Perfect Protect®

Desensitising gel for use in tooth whitening



### The perfect complement to home bleaching!

VOCO Perfect Protect is a desensitising gel for use at home, which is tailored to the conditions of home bleaching. It contains 3% potassium nitrate (≙ 11,600 ppm potassium) and 0.11% fluoride (≙ 1,130 ppm fluoride), thus reliably contributing to the desensitisation of sensitive teeth. While the potassium nitrate aids with pain relief in hypersensitive teeth, the fluoride supports the sealing of open dentinal tubules and thus addresses the cause of the hypersensitivity.

### Indications

Sealing of exposed dentine

### Advantages

- Reliable desensitisation through pain relief and sealing of dentinal tubuli
- Short and variable wearing time of the tray (15–60 minutes)
- Neutral taste
- Pleasant consistency
- Filling the tray is easy using the pre-assembled cannula included in the pack



REF 1019	Syringe 2 × 2 ml
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Professional cleaning

Fissure sealing

Prophylaxis

Whitening

Desensitiser

# VOCO Profluorid® Varnish + BioMin®

Significantly hardens weakened enamel



**NEW**



VOCO Profluorid Varnish + BioMin is based on our desensitising fluoride varnish VOCO Profluorid Varnish, which has been around for years and is tried and tested. New to the "+ BioMin version" is the addition of soluble bioglass from London-based BioMin Technologies Ltd.

BioMin's bioglass dissolves in saliva and releases calcium and phosphate ions, which support the remineralisation of the tooth. In combination with the fluoride from the varnish, crystalline structures form on the surface of the tooth, and these significantly harden, for example, acid-weakened enamel. VOCO Profluorid Varnish + BioMin thus offers patients double protection: in addition to the crystalline protective layer described above, the properties of VOCO Profluorid Varnish + BioMin also include comprehensive and long-lasting desensitisation of sensitive teeth, thanks to the fluoride it contains.

### Indications

- Treatment of hypersensitive teeth
- Treatment of sensitive root surfaces
- Support of remineralisation

### Advantages

- Significantly hardens weakened enamel
- Reliable desensitisation thanks to 5 % NaF (≙ 22.600 ppm fluoride)
- Aesthetic, tooth-coloured varnish
- Available in four flavours: mint, cherry, caramel and bubble gum
- Ideal for treating cervical areas after professional cleaning and calculus removal
- Can also be used for MIH patients
- Applied in a thin layer and thus economical

Tube		
<b>Flavour</b>	<b>10 ml</b>	
Caramel	REF 2266	
Cherry	REF 2267	
Mint	REF 2268	
Bubble Gum	REF 2269	
<i>SingleDose</i>		
<b>Flavour</b>	<b>50 × 0.40 ml</b>	<b>200 × 0.40 ml</b>
Caramel	REF 2270	REF 2276
Cherry	REF 2271	REF 2277
Mint	REF 2272	REF 2278
Bubble Gum	REF 2273	REF 2279
<b>Flavour</b>	<b>48 × 0.40 ml</b>	
Mixed	REF 2274	



Professional cleaning

Fissure sealing

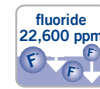
Prophylaxis

Whitening

Desensitiser

# VOCO Profluorid® Varnish

Fluoride-containing dental desensitising varnish (5 % NaF)



## Indications

- Treatment of hypersensitive teeth
- Treatment of sensitive root surfaces

## Advantages

- Moisture tolerant
- Esthetic, tooth-shaded varnish
- Fast desensitisation and fluoride release (5 % NaF  $\triangleq$  22,600 ppm fluoride)
- In seven pleasant flavours available: melon, mint, cherry, caramel, bubble gum, cola lime and pina colada
- Ideal for treating cervical areas after professional cleaning and calculus removal
- Optimal for cases of MIH

## Advantages of the SingleDose

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

## Advantages of the cartridge

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

## Application



SingleDose		
Flavour	50 x 0.40 ml	200 x 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
Cola Lime	REF 2240	REF 2241
Pina Colada	REF 2242	REF 2243
Flavour	48 x 0.40 ml	50 x 0.25 ml
Melon	-	REF 1268
Mixed	REF 2225	-
Cartridge		
Flavour	5 x 1.70 ml	
Melon	REF 2235	
REF 2167	Application cannulae type 43, 100 pcs.	
Tube		
Flavour	10 ml	50 ml
Melon	REF 1267	REF 1272
Caramel	REF 2232	-
Cherry	REF 2233	-
Mint	REF 2234	-
Cola Lime	REF 2236	-
Pina Colada	REF 2237	-
Flavour	4 x 10 ml	
Mixed	REF 2971	

Professional cleaning

Fissure sealing

Prophy/laxis

Whitening

Desensitiser



## 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<sup>®</sup>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.



# MTA vpt

Material for vital pulp therapy



## Indications

- Base fill cement for all restorative materials
- Indirect pulp capping
- Direct pulp capping
- Treatment of pulp following vital amputation

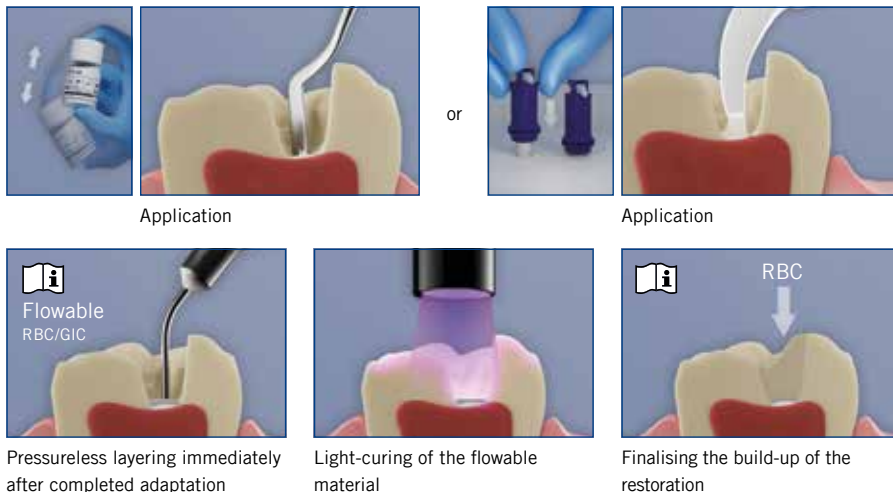
## Advantages

- MTA for everyday clinical practice – biocompatible, free of monomers
- High pH value (12) – known for its bacteriostatic effect
- Release of calcium and hydroxide ions – promotes formation of tertiary dentine and remineralisation
- Reliable pulp protection – mineralises to form a stable bacteria-proof seal
- Time-efficient – immediate further processing thanks to layering without pressure
- Easy handling – application with standard instruments, or directly from the capsule
- No product-related discolouration – free of bismuth oxide and ferrous compounds
- Radiopaque (290 % Al)



REF 1645	Powder 10 g / liquid 10 ml
REF 1646	Application capsule 25 pcs.

## Application



RBC = Resin Based Composite

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

## Calcimol LC

Light-curing radiopaque calcium hydroxide paste



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

### Indications

Indirect pulp capping  
Lining under all filling materials

### Advantages

- Effective protection of the pulp
- Ready-to-use one-component material
- Time-saving light-curing and direct application from the non-dripping NDT®-syringe
- High level of acid-resistance, protection when applying the total-etch technique
- Supports the formation of tertiary dentine

## Calcicur®

Ready-to-use calcium hydroxide paste



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

### Indications

Indirect capping for the treatment of caries profunda  
Direct capping when the pulp is opened or a pulpotomy is performed  
Lining of cavities to prevent exposure to acid media when using cements  
For temporary filling of root canals

### Advantages

- Suitable for use under any lining or restorative material
- Immediately ready for use
- With high pH value (12.5) known for bacteriostatic effect
- Calcium hydroxide content of 45 %
- Radiopacity
- Promotes the formation of tertiary dentine
- Effective pulp protection

# Ionoseal®

Light-curing glass ionomer composite liner

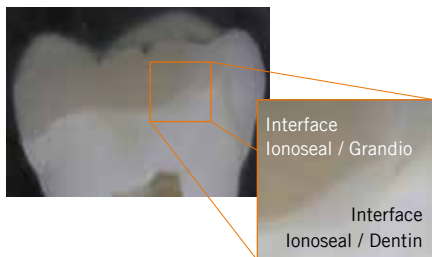


## Indications

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

## Advantages

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



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

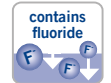


Finished lining



Final restoration

Source: Dr. Marcelo Balsamo, São Paulo / Brazil



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

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

# Bondings

Page	Product description	Components	Quantity bottles	Quantity SingleDose	Self-etch	Etch & Rinse			Light-curing	Dual-curing (chemical- and light-curing)	Time light curing
						Selective-etch	Total-etch				
<b>Bondings</b>											
19	Futurabond U	Dual-curing universal adhesive	2	2	1	•	•	•	•	•	10 sec.
20	Futurabond M+	Universal adhesive	1	2		•	•	•	•	• <sup>1</sup>	10 sec.
20	Admira Bond	One-component dentine and enamel bond ORMOCER® based	1	1			•	•	•		20 sec.
21	Futurabond DC	Dual-curing self-etch-bond reinforced with nano-fillers	2	2	1	•				•	10 sec.

<sup>1</sup> only in combination with DC activator

# Futurabond® U

Dual-curing universal adhesive



**NEW:**  
Now also available in  
a bottle!



## 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

### Futurabond U *SingleDose* / Futurabond U bottle in combination with 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

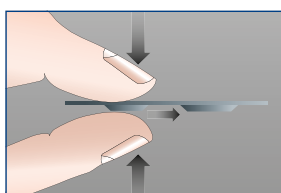
## Advantages

- 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
  - 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

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.
REF 1577	Futurabond U bottle – <b>NEW</b>
REF 1578	Futurabond U bottle DCA – <b>NEW</b>

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

## 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

REF 1515	Bottle 5 ml, accessories
REF 1516	Bottle 3 × 5 ml
REF 1518	Futurabond M+ DCA – bottle 2 ml
REF 1519	Single bottle 5 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.

## 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



# 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	SingleDose 50 pcs., accessories
REF 1165	SingleDose 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

- Vococid is intended to etch only the part of the enamel or the dentine (in total-etch technique), which will subsequently be covered by a composite material:
- for composite fillings
  - for adhesive luting of Maryland bridges, inlays, brackets and temporary splinting
  - for sealing as caries prophylaxis
  - for linings to create a permanent bond (according to manufacturer's instructions)

## 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.

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

# Restoratives (Composites)

Page	ORMOCER®s	cavity class	cavity class					base / liner	extended fissure sealing	restoration of deciduous teeth	core build-up	indirect inlays, onlays, veneers	shades		form of application	material class	filler content [% w/w]	
			I	II	III	IV	V						opaque	universal				translucent
23	Admira Fusion 5	universal Cluster-Shades / biocompatible	•	•	•	•	•	• <sup>4</sup>	•	•	•	•	5	5	syringe, Caps	nano-hybrid	83	
24	Admira Fusion	universal / aesthetic / biocompatible	•	•	•	•	•	• <sup>4</sup>	•	•	•	•	4	13	1	syringe, Caps	nano-hybrid	84
25	Admira Fusion Flow	aesthetic / biocompatible	•	•	•	•	•	•	•	•	•	•	2	9	1	NDT® syringe	nano-hybrid	74
26	Admira Fusion x-tra	bulk fill / biocompatible	•	•	•	•	•	• <sup>4</sup>	•	•	•	•	1	1	syringe, Caps	nano-hybrid	84	
27	Admira Fusion x-base	bulk fill / biocompatible	• <sup>1</sup>	•	•	•	•	• <sup>4</sup>	•	•	•	•	1	1	NDT® syringe	nano-hybrid	72	
<b>Composites</b>																		
28	GrandioSO Unlimited	universal / aesthetic / Cluster-Shades	•	•	•	•	•	•	•	•	•	•	1	6	syringe, Caps	nano-hybrid	91	
29	GrandioSO	universal / aesthetic	•	•	•	•	•	•	•	•	•	•	3	13	1	syringe, Caps	nano-hybrid	89
30	GrandioSO Light Flow (low viscous)	precise / aesthetic	•	•	•	•	•	•	•	•	•	•	2	5	1	NDT® syringe	nano-hybrid	76
30	GrandioSO Flow (medium viscous)	universal / aesthetic	•	•	•	•	•	•	•	•	•	•	2	10	1	NDT® syringe, Caps	nano-hybrid	81
31	GrandioSO Heavy Flow (highly viscous)	universal / aesthetic	•	•	•	•	•	•	•	•	•	•	2	10	1	NDT® syringe, Caps	nano-hybrid	83
32	GrandioSO x-tra	bulk fill	•	•	•	•	•	• <sup>4</sup>	•	•	•	•	4	4	syringe, Caps	nano-hybrid	86	
33	ViscAor bulk	bulk fill / thermoviscous	•	•	•	•	•	• <sup>4</sup>	•	•	•	•	4	4	Caps	nano-hybrid	83	
34	Grandio	universal	•	•	•	•	•	•	•	•	•	•	2	13	1	syringe, Caps	nano-hybrid	87
35	Grandio Flow	universal	• <sup>1</sup>	•	•	•	•	•	•	•	•	•	2	10	1	NDT® syringe, Caps	nano-hybrid	80
36	Amaris / Amaris Flow	highly aesthetic / 2-layer system	•	•	•	•	•	•	•	•	•	•	7	7	syringe, Caps	micro-hybrid	80	
37	Amaris Gingiva	highly aesthetic / gingiva-coloured	• <sup>1</sup>	•	•	•	•	•	•	•	•	•	3	1	syringe	micro-hybrid	80	
37	x-tra base	bulk fill / flowable	• <sup>1</sup>	•	•	•	•	• <sup>4</sup>	•	•	•	•	2	2	NDT® syringe, Caps	micro-hybrid	75	
38	x-tra fill	bulk fill	•	•	•	•	•	•	•	•	•	•	1	1	syringe, Caps	micro-hybrid	86	
<b>Compomers</b>																		
40	Twinky Star / Flow	coloured / sparkling	•	•	•	•	•	•	•	•	•	•	8 <sup>2</sup> /2 <sup>2</sup>	8 <sup>2</sup> /2 <sup>2</sup>	NDT® syringe, Caps	Compomer	78 / 65	

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

An overview of our glass ionomer restorative materials can be found on page 41.

# Admira® Fusion 5

Universal nano-hybrid ORMOCER® restorative material with simplified shade system

## 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

- Simplified shade system
  - all VITA® classical shades can be covered with just 5 Cluster-Shades
  - significantly reducing your inventory
  - new resin matrix enables enhanced chameleon effect through optimised light scattering
- Universal
  - completely universal – for the highest demands in anterior and posterior regions
- Easy and fast handling
  - only 10 seconds light-curing for all shades
  - excellent sculptability, no sticking to the instrument
  - compatible with all conventional bondings
- Innovative ORMOCER® technology
  - purely ceramic-based filling material, as fillers and resin matrix based purely on silicon oxide
  - excellent biocompatible, as no classic monomers are contained (no Bis-GMA [BPA], TEGDMA, UDMA, etc.)
  - highly stable material as well by far the lowest polymerisation shrinkage (1.25 % by volume) and particularly low level of shrinkage stress in comparison to all conventional restorative composites



pure silicate technology

nanohybrid technology

83 % w/w

class I-V restorations

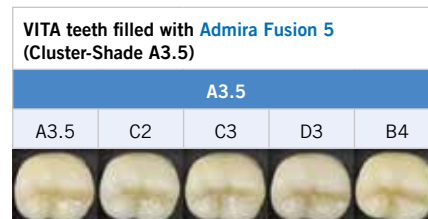
310% radiopacity

10 sec light-curing

shrinkage 1.25%

5 shades

REF 6243	Trial pack 10 × 0.2 g Caps (2 each of A1, A2, A3, A3.5, A4), Futurabond U <i>SingleDose</i> 10 pcs., shade card, accessories	
REF 6225	Set syringe 5 × 3 g (A1, A2, A3, A3.5, A4), shade card	
REF 6235	Caps 75 × 0.2 g (15 each of A1, A2, A3, A3.5, A4), shade card	
<b>Shade</b>	<b>Syringe 3 g</b>	<b>Caps 15 × 0.2 g</b>
A1	REF 6227	REF 6237
A2	REF 6228	REF 6238
A3	REF 6229	REF 6239
A3.5	REF 6230	REF 6240
A4	REF 6231	REF 6241



## Cluster-Shade-System

Admira Fusion 5	A1				A2		A3			A3.5				A4		
VITA® classical	A1	B1	C1	D2	A2	B2	A3	B3	D4	A3.5	C2	C3	D3	B4	A4	C4

Liner

Bonding

Restoratives (ORMOCER®S)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

# 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 (no Bis-GMA [BPA], TEGDMA, UDMA, etc.)
- 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 bondings

## Clinical Case



Insufficient amalgam restorations in teeth 46 and 47

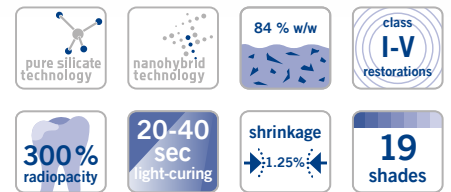


Modeling of the material which is still malleable at this stage



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 <i>SingleDose</i> 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 <i>SingleDose</i> 20 pcs., accessories
REF 2752	Shade guide
REF 9301	Dispenser – Caps
<b>Shade</b>	<b>Syringe 3 g      Caps 15 × 0.2 g</b>
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
BXL	REF 2777      REF 2805
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)	

# Admira® Fusion Flow

Flowable light-curing nano-hybrid ORMOCER® restorative material



## Indications

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

## Advantages

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

## Clinical Case



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



Simple application and optimal wetting behaviour of Admira Fusion Flow



Outstanding result created with Admira Fusion Flow / Admira Fusion

Source: Dr. Walter Denner, Fulda / Germany



pure silicate technology

nanohybrid technology

74 % w/w

class III-V restorations

240 % radiopacity

20-40 sec light-curing

shrinkage 2.75%

12 shades

FIT

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

Liner

Bonding

Restoratives (ORMOCER®S)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

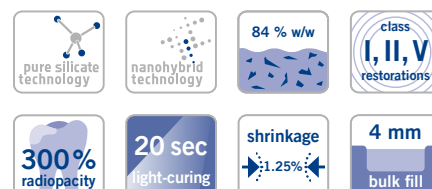
## Admira® Fusion x-tra

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



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

### Advantages

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

### Clinical Case



Insufficient composite restoration in tooth 45



Prepared cavity awaiting filling



Application of Admira Fusion x-tra in 4-mm layers



Functional and aesthetic final result

Source: Dr. Walter Denner, Fulda / Germany

## Admira® Fusion x-base

Flowable nano-hybrid ORMOCER® base restorative material, 4 mm



### Indications

Base in class I and II cavities

Cavity lining under direct restorative materials in class I and II cavities

Small, non occlusal stress-bearing class I restorations according to minimally invasive filling therapy

Class III and V restorations

Extended fissure sealing

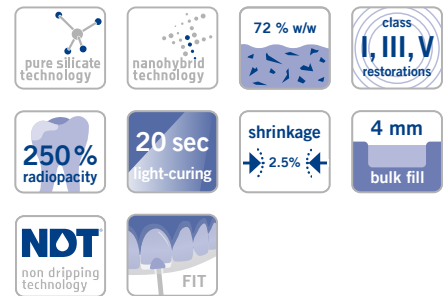
Undercut blockout

Repair of small enamel defects

Repair of small defects in aesthetic indirect restorations

Repair of temporary C&B-materials

Core build-up



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 and excellent handling
- Compatible with all conventional bonding agents

### Clinical Case



Occlusal caries in tooth 36



Cavity prepared for further procedure in accordance with the rules of adhesive filling therapy



Selective etching of the tooth enamel



Application of the bonding agent Futurabond M+



Application of Admira Fusion x-base in 4-mm layers, followed by light-curing



Covering with Admira Fusion, followed by light-curing



Functional and aesthetic final result

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

Liner

Bonding

Restoratives (ORMOCER®S)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

# Grandio®SO Unlimited

Universal restorative material with 4 mm layer thickness



**NEW**

## Indications

- Class I to V restorations
- 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
- Restoration of deciduous teeth
- Core build-up under crowns
- Composite inlays

## Advantages

- Universal
  - Absolutely universal in its use – for aesthetic demands in anterior and posterior regions
- No layering
  - Increments of up to 4 mm can be applied into the cavity in one piece
- Visual-Transformation-Technology (VTT)
  - Translucent before light polymerisation – aesthetic opacity matching the natural tooth after light polymerisation
- High-performance composite
  - 91 % filler content by weight for maximum stability and strength
  - Low polymerisation shrinkage of 1.44 % by volume and particularly low level of associated shrinkage stress
- Simplified shade system
  - All VITA® classical shades can be covered with just 5 Cluster-Shades
  - Significantly streamlines your inventory
- Quick and easy handling
  - Only 10 seconds required for light-curing the frequently used Cluster-Shades A1–A3.5
  - Excellent sculpting and polishing properties
  - Compatible with all conventional bonding agents

<b>VTT</b> visual-transformation-technology	<b>91 % w/w</b> filler content	<b>class I-V restorations</b>	<b>900% radiopacity</b>
<b>10-20 sec</b> light-curing	<b>shrinkage</b> -1.44%	<b>5 Cluster-Shades</b>	<b>4 mm</b> layer thickness

REF 6257	Trial pack 10 × 0.3 g Caps (2 each of A1, A2, A3, A3.5, A4), 10 × Futurabond U <i>SingleDose</i> , shade card, accessories	
REF 6258	Syringe 5 × 4.5 g (A1, A2, A3, A3.5, A4), shade card	
REF 6270	Caps 75 × 0.3 g (15 each of A1, A2, A3, A3.5, A4), shade card	
<b>Shade</b>	<b>Syringe 4.5 g</b>	<b>Caps 15 × 0.3 g</b>
A1	REF 6259	REF 6271
A2	REF 6260	REF 6272
A3	REF 6261	REF 6273
A3.5	REF 6262	REF 6274
A4	REF 6263	REF 6275
Opaque	REF 6264	REF 6276
Bleach	REF 6265	REF 6277

## Cluster-Shade-System

GrandioSO Unlimited	A1				A2		A3			A3.5				A4		
VITA® classical	A1	B1	C1	D2	A2	B2	A3	B3	D4	A3.5	C2	C3	D3	B4	A4	C4

# 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 loose 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



nanohybrid technology

89 % w/w

class I-V restorations

320% radiopacity

10-20 sec light-curing

shrinkage <math>\pm 1.6\%</math>

17 shades

REF 2607	Shade guide	
REF 9301	Dispenser – Caps	
<b>Shade</b>	<b>Syringe 4 g</b>	<b>Caps 16 x 0.25 g</b>
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 2660
B3	–	REF 2661
C2	–	REF 2664
D3	–	REF 2667
Incisal	–	REF 2669
OA1	–	REF 2670
OA2	–	REF 2671
OA3.5	–	REF 2673
BL	REF 2635	REF 2675
GA3.25	–	REF 2653
GA5	–	REF 2656

Liner

Bonding

Restoratives (ORMOCER®s)

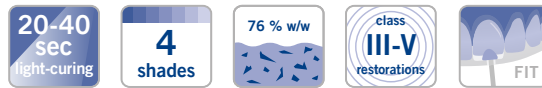
Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

## Grandio®SO Light Flow

Flowable nano-hybrid restorative material – low viscous



### Indications

Filling / characterisation of small cavities

Filling / characterisation of class III, IV and V cavities

Extended fissure sealing

Blocking out undercuts

Lining or coating cavities

Repairing fillings, veneers and temporary restorations

Luting translucent prosthetic pieces

### Advantages

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

REF 2144	Application cannulae type 44, 100 pcs.
REF 2147	Application cannulae type 45, 100 pcs.
<b>Shade</b>	<b>Syringe 2 x 2 g</b>
A1	REF 2586
A2	REF 2587
A3	REF 2588
A3.5	REF 2589

## 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

REF 2146	Application cannulae type 41, 100 pcs.
<b>Shade</b>	<b>Syringe 2 x 2 g</b>
A1	REF 2722
A2	REF 2723
A3	REF 2724
A3.5	REF 2725
A4	REF 2726
B1	REF 2729
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
- 7 shades for aesthetic restorations – perfectly coordinated with GrandioSO
- High shade stability
- Very good polishability and durable brilliance
- Available in the non-dripping NDT®-syringe and in Flow-Caps with flexible metal cannulae

## Clinical Case



Typical V-shaped cervical defect on 13

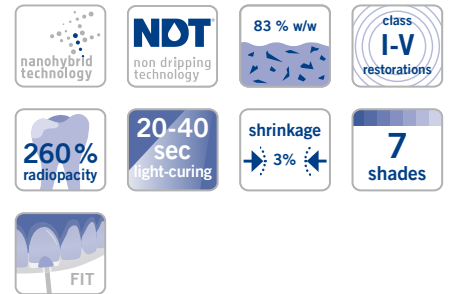


Application of GrandioSO Heavy Flow after conditioning and bonding



Restoration immediately after polishing

Source: Dr. Walter Denner, Fulda / Germany



REF 2607	Shade guide	
REF 9301	Dispenser – Caps	
REF 2148	Application cannulae type 46, 100 pcs.	
<b>Shade</b>	<b>Syringe 2 x 2 g</b>	<b>Caps 16 x 0.25 g</b>
A1	REF 2684	REF 2704
A2	REF 2685	REF 2705
A3	REF 2686	REF 2706
A3.5	REF 2687	REF 2707
B1	REF 2690	–
BL	REF 2695	–
WO	REF 2696	–

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 Caps 16 x 0.25 g**

Universal REF 2714

A1 REF 2715

A2 REF 2716

A3 REF 2717

## 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 loose 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

# VisCalor® bulk

Thermoviscous bulk fill composite

## Indications

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

## Advantages

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

## Clinical Case



Cleaned cavities



Applying the heated VisCalor bulk with its superb flowable 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



<b>TVT</b> thermo-viscous-technology	nanohybrid technology	83 % w/w	class I, II, V restorations
10-20 sec light-curing	shrinkage 1.4%	4 mm bulk fill	4 shades
FIT			

REF 6063	Set Caps Warmer Caps 80 × 0.25 g (16 × universal, 16 × A1, 16 × A2, 32 × A3), Caps Warmer
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
REF 9301	Dispenser – Caps



Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

# 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 13 shades
- Shade guide made from original material

REF 1800	Set syringe 5 × 4 g (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 1845
B3	–	REF 1846
C2	–	REF 1847
C3	–	REF 1848
D2	–	REF 1855
OA2	–	REF 1851
BL	–	REF 1853

## Clinical Case



Initial situation



Preparation and Grandio Flow liner



Completed restoration with Grandio

Source: Dr. Marcelo Balsamo, São Paulo / Brazil

# 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
- Excellent 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 1899	Shade guide
REF 2146	Application cannulae type 41, 100 pcs.
<b>Shade</b>	<b>Syringe 2 x 2 g</b>
A1	REF 1863
A2	REF 1864
A3	REF 1865
A3.5	REF 1866
A4	REF 1868
B1	REF 1869
B2	REF 1867
OA2	REF 1870
BL	REF 1871
WO	REF 1872

Liner

Bonding

Restoratives (ORMOCER®s)

**Restoratives (Composites)**

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

# 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

## Clinical Case



Insufficient mod composite restoration in tooth 25

Incremental layers of opaque dentine base shade

Final layer with translucent enamel shade

Source: Dr. Andreas Braun, Dr. Felix Krause, Bonn / Germany



REF 1969	Shade guide	
REF 9301	Dispenser – Caps	
REF 2144	Application cannulae type 44, 100 pcs.	
<b>Base shade</b>		
<b>Opaque</b>	<b>Syringe 4 g</b>	<b>Caps 16 x 0.25 g</b>
01	REF 1933	REF 1953
02	REF 1934	REF 1954
03	REF 1935	REF 1955
04	REF 1936	REF 1956
05	REF 1937	REF 1957
0 Bleach	REF 1938	REF 1958
<b>Enamel shade</b>		
<b>Translucent</b>	<b>Syringe 4 g</b>	<b>Caps 16 x 0.25 g</b>
Light, TL	REF 1940	REF 1960
Neutral, TN	REF 1941	REF 1961
Dark, TD	REF 1942	REF 1962
<b>Amaris® Flow</b>		
<b>Special shade</b>	<b>Syringe 2 x 1.8 g</b>	
High translucent, HT	REF 1945	
High opaque, HO	REF 1946	

Liner

Bonding

Restoratives (ORMOCERs)

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



80 % w/w	class V restorations	40 sec light-curing	shrinkage 2%
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REF 1970	Set syringe 4 g base shade, syringe 3 x 1.2 g opaquers (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.

# 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 %AI)
- 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



NDT non dripping technology	75 % w/w	class I, III, V restorations	350% radiopacity
10 sec light-curing	shrinkage 2.6%	4 mm bulk fill	FIT

REF 1790	Syringe 2 x 2 g universal, accessories
REF 2148	Application cannulae type 46, 100 pcs.

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

# 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

86 % w/w	class I-II restorations	330% radiopacity	10 sec light-curing
shrinkage 1.7%	4 mm bulk fill		

REF 1740	Syringe 5 g
REF 1741	Caps 20 × 0.25 g
REF 9301	Dispenser – Caps

## Clinical Cases



Initial situation      Final result  
Dr. Tomislav Skrinjaric, Croatia



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. Dr. Jürgen Manhart, Munich / Germany

“The excellent physical properties of x-tra fil enable me to offer my patients a durable posterior restoration. Especially the quick application fascinated me. Due to its excellent chameleon effect, x-tra fil offers an incredibly good colour adaptation to the tooth structure.”  
Dr. Tomislav Skrinjaric, Croatia

Liner  
Bonding  
Restoratives (ORMOCERs)  
Restoratives (Composites)  
Restoratives (Compomers)  
Restoratives (Glass ionomer materials)

# AlignerFlow® LC

Fluorescent composite for aligner attachments

## Indications

- Fabrication of aligner attachments
- Retention of aligners
- Bonding of lingual retainers
- Occlusal build-ups

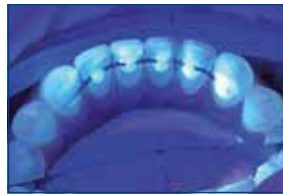
## Advantages

- Secure grinding and removal under UV-A light
- Precise application with perfect flow
- Light-curing through the transparent template
- Stable and abrasion resistant throughout the entire treatment period
- Pleasant aesthetic in tooth shades

## Clinical case



Aligner attachments



Lingual retainer

Source: Montse Galiano, UK



Preparation with standard etching and bonding protocol



Application of AlignerFlow LC into the template



Insertion and light curing through the transparent template



Control of attachments and removal of artifacts under UV-A light



Finished attachments and fitting aligners



Perfect attachment removal under UV-A light

Source: Thomas Kober / VOCO, Cuxhaven / Germany



REF 1526	Syringe 2 × 2 g A1, accessories
REF 1527	Syringe 2 × 2 g A2, accessories
REF 1528	Syringe 2 × 2 g A3, accessories
REF 2144	Application cannulae type 44, 100 pcs.
REF 2148	Application cannulae type 46, 100 pcs.

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

## 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

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.
<b>Shade</b>	<b>Caps 25 × 0.25 g</b>
Gold	REF 1681
Silver	REF 1682
Blue	REF 1683
Pink	REF 1684
Green	REF 1685
Orange	REF 1686
Lemon	REF 1687
Berry	REF 1688
<b>Twinky Star® Flow</b>	
<b>Shade</b>	<b>Syringe 2 g</b>
Blue	REF 1693
Pink	REF 1694



Coloured Twinky Star fillings in deciduous teeth

# Restoratives (Glass ionomer materials)

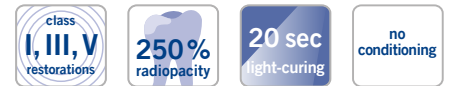
Page		class I	class II	class III	class V / cervical defects	base / liner / core build-ups	extended fissure sealing	restorations of deciduous teeth	temporary treatment	working time [min.]	setting time [min.]	
<b>Glass ionomer restorative materials</b>												
43	IonoStar Plus capsule	• <sup>1,2</sup>	• <sup>2</sup>	•	•	•	•	•	•	1	2	
44	IonoStar Molar capsule	• <sup>1,2</sup>	• <sup>2</sup>	•	•	•	•	•	•	1,5	3 - 4	
<b>Light-curing glass ionomer restorative materials</b>												
17	IonoSeal syringe, tube					•					light-curing: 20 s / 1 mm	
42	IonoLux capsule	• <sup>3</sup>		•	•	•		•	•	> 2.5	light-curing: 20 s / 2 mm	

<sup>1</sup> non occlusion-bearing  
<sup>2</sup> semi-permanent  
<sup>3</sup> small fillings

An overview of our composite restorative materials can be found on page 22.

# 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
- 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
- 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 2331	Applicator – AC type 1

## Clinical Cases



Tooth 35 with cervical defect

Tooth 35 immediately after treatment

Source: Dr. Isma Goltz, Bremen / Germany



Teeth 16, 15 after excavation

Subsequent treatment with Ionolux

Source: Prof. Hervé Tassery, PU-PH, Marseille / France

Liner  
Bonding  
Restoratives (ORMOCERs)  
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

## Clinical Case



Defects on teeth 24 and 25



Application of IonoStar Plus



Packable viscosity



Finishing



Polishing



Result

Source: Dr. Walter Denner, Fulda / Germany



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 2331	Applicator – AC type 1

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)

# IonoStar® Molar

Glass ionomer restorative material



class <b>I, III, V</b> restorations	<b>250%</b> radiopacity	contains fluoride	no conditioning
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REF 2520	Set application capsule 50 pcs. (10 × A1, 10 × A2, 30 × A3)
REF 2524	Application capsule 20 pcs. A1
REF 2525	Application capsule 20 pcs. A2
REF 2526	Application capsule 20 pcs. A3
REF 2331	Applicator – AC type 1

## 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

## Clinical Case



Initial situation tooth 26: secondary caries in the marginal areas and below the occlusal restorations



Cavity displaying deep caries; preparation including a tunnel to the mesial surface



Application of IonoStar Molar (A3)



Finishing with a fine diamond bur



Protect the surface of the glass ionomer



Finished filling after removal of the rubber dam

Source: Dr. Sanzio Marques, Passos / Brazil

Liner

Bonding

Restoratives (ORMOCER®s)

Restoratives (Composites)

Restoratives (Compomers)

Restoratives (Glass ionomer materials)



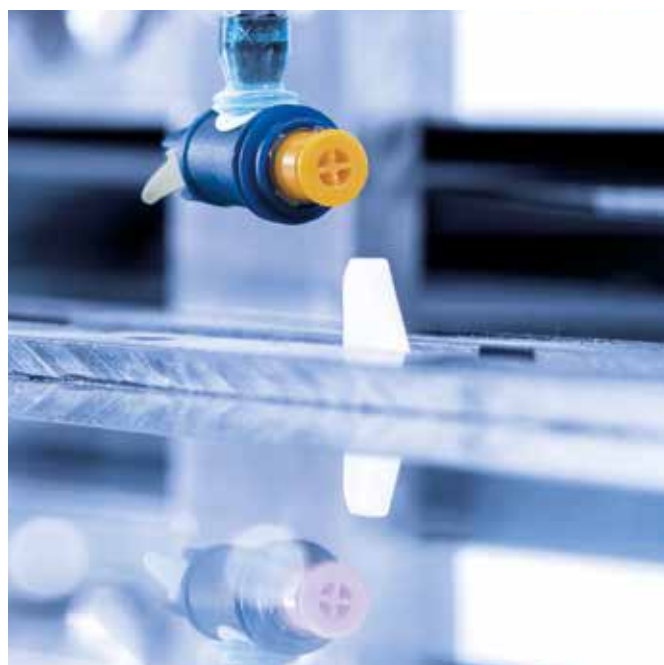
## Indirect Restoration

**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 blocks and discs.

For 3D printing work we recommend our perfectly coordinated materials for additive printing of objects.



## V-Print® splint

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



### Indications

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

### Advantages

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



REF 6044 Bottle 1000 g clear

**VOCO** TRUSTED PARTNER

All print partners can be found here  
[www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)

## V-Print® splint comfort

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

Also suitable as  
**retainer!**



### Indications

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

### Advantages

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



REF 6126 Bottle 1000 g clear

**VOCO** TRUSTED PARTNER

All print partners can be found here  
[www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)

## 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



REF 6043 Bottle 1000 g clear

**VOCO** TRUSTED PARTNER

All print partners can be found here [www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

## V-Print® IBT

Light-curing resin for the generative production of dental transfer splints



### Indications

Orthodontic transfer splints for bracket placement

### Advantages

- **No shaking** – V-Print IBT is immediately ready for use
- **Efficient** – virtually planned brackets are bonded precisely, securely and more quickly
- **Treatment on the patient is significantly more ergonomic with indirect bonding**
- **Flexible splint** – increased comfort during application and removal even with strong dysgnathia
- **High resilience** – precise bracket application even with divergent insertion direction



REF 6127 Bottle 1000 g clear

**VOCO** TRUSTED PARTNER

All print partners can be found here [www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)

## 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



REF 6128 Bottle 1000 g beige  
REF 6129 Canister 5 kg beige

**VOCO** TRUSTED PARTNER

All print partners can be found here  
[www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)

## V-Print® cast

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

Speedcasting  
and conventional  
heating



### 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, phosphatobonded investment materials
- **Restorations free of impurities** – V-Print cast burns out without residues



REF 6045 Bottle 1000 g blue

**VOCO** TRUSTED PARTNER

All print partners can be found here  
[www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)

## V-Print® Try-In

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



### Indications

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

### Advantages

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



REF 6049 Bottle 1000 g beige

**VOCO** TRUSTED PARTNER

All print partners can be found here  
[www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)

CAD / CAM material

Luting

Core build-up

## V-Print® tray

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



### Indications

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

### Advantages

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



REF 6047 Bottle 1000 g blue

**VOCO** TRUSTED PARTNER

All print partners can be found here  
[www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)

Temporaries

Denture relining

Impression

## 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 modulus 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



REF 6897	Bottle 500 g A1
REF 6898	Bottle 500 g A2
REF 6899	Bottle 500 g A3
REF 6900	Bottle 500 g A3.5
REF 6901	Bottle 500 g B1
REF 6902	Bottle 500 g BL

**VOCO**  TRUSTED PARTNER

All print partners can be found here  
[www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)

## V-Print® dentbase

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



### 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



REF 6048	Bottle 1000 g pink
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**VOCO**  TRUSTED PARTNER

All print partners can be found here  
[www.voco.dental/3dprintingpartners](http://www.voco.dental/3dprintingpartners)

# Structur CAD

CAD / CAM composite for temporary restorations

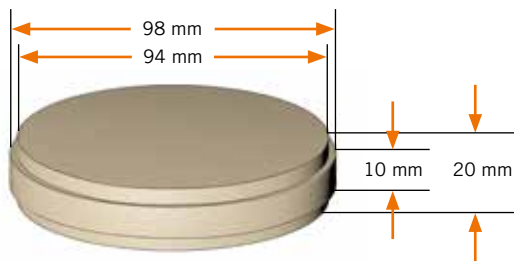
## Indications

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

## Advantages

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

### Size disc



### Size block



## Clinical case



Unsatisfactory initial situation



Initial situation – close-up



CAD / CAM bridge on the model



Structur CAD after insertion

Source: Dr. Felipe Araujo, Brazil



Block	
REF 6076	Block 5 x No. 40L A1
REF 6077	Block 5 x No. 40L A2
REF 6078	Block 5 x No. 40L A3
Disc ø 98 mm	
REF 6071	Disc A1 20 mm
REF 6072	Disc A2 20 mm
REF 6073	Disc A3 20 mm

**VOCO** TRUSTED PARTNER

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

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

# Grandio® blocs

Nano-ceramic hybrid CAD/CAM blocs for permanent restorations

Also available for PlanMill®



## Indications

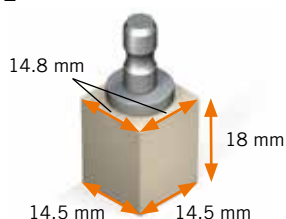
Crowns, inlays, onlays, veneers  
Implant supported crowns

## Advantages

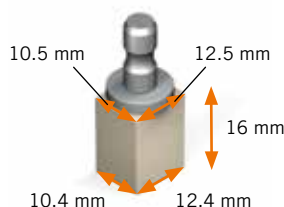
- **High performance:** very high filler content (86 % by weight) for long-lasting, durable restorations
- **Natural appearance:** tooth-like physical values
- **Highly accurate fit:** precise grinding of feather-edged areas
- **Antagonist-friendly:** preserves vitality and shape of antagonists
- **Handling:** excellent properties for intraoral polishing and repair
- **Time saving:** no sintering or glaze firing required
- **Trusted partner:** material settings on reputable partner equipment customised to VOCO, for precisely fabricated restorations

## Sizes blocs

### No. 14L



### No. 12



## Clinical Case



Initial situation



Prepared cores



View after 6 months

Source: Prof. Breno de Mont'Alverne, Brazil

Universal		
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
PlanMill®		
Low translucent (LT)	5 × No. 12	5 × No. 14L
A1 LT	REF 6153	REF 6168
A2 LT	REF 6154	REF 6169
A3 LT	REF 6155	REF 6170
A3.5 LT	REF 6156	REF 6171
B1 LT	REF 6157	REF 6172
C2 LT	REF 6158	REF 6173
BL LT	REF 6159	REF 6174
High translucent (HT)	5 × No. 12	5 × No. 14L
A1 HT	REF 6162	REF 6177
A2 HT	REF 6163	REF 6178
A3 HT	REF 6164	REF 6179
A3.5 HT	REF 6165	REF 6180



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

# Grandio® disc

Nano-ceramic hybrid CAD/CAM disc for permanent restorations



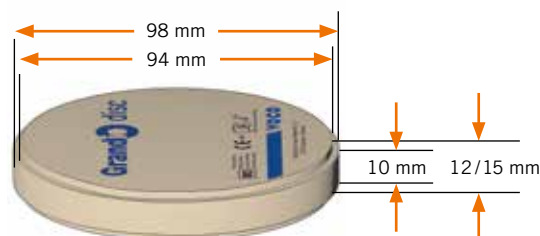
## Indications

Crowns, inlays, onlays, veneers  
Implant supported crowns

## Advantages

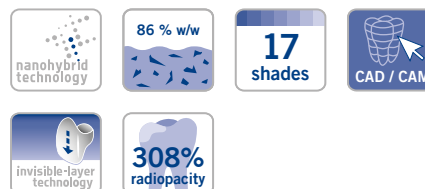
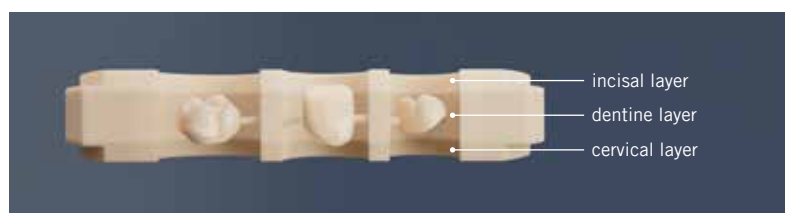
- **High performance:** very high filler content (86 % by weight) for long-lasting, durable restorations
- **Natural appearance:** tooth-like physical values
- **Antagonist-friendly:** preserves vitality and shape of antagonists
- **Excellent aesthetics** – Invisible Layer Technology creates a smooth colour gradient for multicoloured restorations
- **Handling:** excellent properties for intraoral polishing and repair
- **No glaze firing required:** fewer treatment appointments
- **Trusted partner:** material settings on reputable partner equipment customised to VOCO, for precisely fabricated restorations

## Size disc



## Invisible Layer Technology – the natural tooth gradient with only three layers in the Grandio disc multicolor

The restoration material is divided into three layers: one for the incisal area, one for the basic tooth colour (dentine layer) and one for the cervical area. The colouring of the Grandio disc multicolor makes the restoration look very vital, which is achieved with just these three layers due to the material properties.



Grandio® disc		
<b>Low translucent (LT)</b>		
		<b>1 × 15 mm, ø 98 mm</b>
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	
<b>High translucent (HT)</b>		
		<b>1 × 15 mm, ø 98 mm</b>
A1 HT	REF 6057	
A2 HT	REF 6058	
A3 HT	REF 6059	
A3.5 HT	REF 6060	
<b>Grandio® disc multicolor <span style="color: red;">NEW</span></b>		
<b>Basic tooth colour</b>	<b>1 × 12 mm, ø 98 mm</b>	<b>1 × 15 mm, ø 98 mm</b>
A1	REF 6248	REF 6216
A2	REF 6249	REF 6217
A3	REF 6250	REF 6218
A3.5	REF 6251	REF 6219
B1	REF 6252	REF 6220
C2	REF 6253	REF 6221

**VOCO** TRUSTED PARTNER

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

CAD / CAM material  
Luting  
Core build-up  
Temporaries  
Denture relling  
Impression

## CediTEC® DT

CAD/CAM composite for the creation of denture teeth for removable dentures



### 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



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

V-Print dentbase for generative production of denture bases for removable dentures (see page 50)



**VOCO** TRUSTED PARTNER

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

## CediTEC®

Luting system for denture teeth in denture bases



### Indications

Luting of prefabricated prosthetic teeth and CAD / CAM-produced individual teeth and tooth sections in CAD / CAM-produced denture bases

Luting of prosthetic teeth in the scope of a repair or extension

### Advantages

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

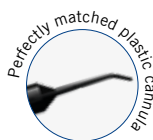
auto mix

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.



## Bifix® Veneer LC · Bifix® Veneer Try-In

Light-curing nano-hybrid luting composite



### Indications

Permanent luting of ceramic and composite veneers, inlays and onlays in a layer thickness of not more than 2 mm with sufficient translucency of the restoration

### Advantages

- Intuitive and efficient shade system:  
The three shades (bright, clear, warm) make shade selection easy and allow positive modification of the aesthetic result
- Try-in pastes:  
The final result can be checked in advance and the exact shade can be selected
- Matching application cannula:  
Prevents discolouration or damage to the veneer thanks to a plastic cannula
- Optimum consistency:  
The material is stable enough to prevent run-off when applied to the veneer and at the same time sufficiently flowable to allow easy and definite positioning on the tooth
- Effortless removal of excess material:  
After brief partial polymerisation
- Securely picking up and placing the veneer:  
Thanks to the flexible application aid *Sticky Tim* with adhesive tip
- System set:  
Contains all the components required for the complete veneer bonding workflow

#### Bifix Veneer LC

REF 1428	Set Bifix Veneer LC syringe 3 × 2 g (bright, clear, warm), Bifix Veneer Try-In syringe 3 × 2.5 g (bright, clear, warm), accessories
REF 1429	System set Bifix Veneer LC syringe 3 × 2 g (bright, clear, warm), Bifix Veneer Try-In syringe 3 × 2.5 g (bright, clear, warm), Vococid syringe 2 ml, Ceramic Bond <i>SingleDose</i> 20 pcs., Futurabond U <i>SingleDose</i> 20 pcs., Sticky Tim 10 pcs., accessories
REF 1423	Syringe 2 g bright, accessories
REF 1424	Syringe 2 g clear, accessories
REF 1425	Syringe 2 g warm, accessories

#### Bifix Veneer Try-In

REF 1430	Syringe 2.5 g bright, accessories
REF 1431	Syringe 2.5 g clear, accessories
REF 1432	Syringe 2.5 g warm, accessories
REF 2135	Application cannulae type 50, 30 pcs.
REF 2248	Sticky Tim, 70 pcs.

### Clinical case



Initial situation



Preparation



Silanisation



Application Futurabond U



Application Bifix Veneer LC (clear)



Final result

Source: Prof. Carlos Torres, Brazil

# 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.



self-etch H <sup>+</sup> H <sup>+</sup> H <sup>+</sup>	20 sec light-curing	DC dual-curing	no conditioning
auto mix	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.

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

## Bifix® QM

Dual-curing universal composite-based luting system



Also for  
zirconium dioxide  
luting



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

*For further accessories see p. 95/96*

### Indications

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

### Advantages

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

## Bifix® Hybrid Abutment

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

With highly  
opaque 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. 95/96*

### 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

## 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



auto  
mix

contains  
fluoride

no  
conditioning

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.

## 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



200%  
radiopacity

auto  
mix

contains  
fluoride

no  
conditioning

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

## Quick Up®

Self-curing luting material for attachments and secondary denture parts



### Indications

Fixing attachments such as ball, Locator® and telescopic anchors, as well as other anchors in partial and full dentures both chairside and in the laboratory. The set can also be used as repair material for reattaching secondary elements (e.g. bar retainers) in dentures.

### 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.

## BrackFix®

Light-curing bracket bonding system



### Indications

Direct bonding of orthodontic metal and ceramic brackets

### Advantages

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



REF 1205	Set adhesive syringe 2 x 4 g, Primer bottle 6 ml, accessories
REF 1206	Set SE adhesive syringe 2 x 4 g, primer SE <i>SingleDose</i> 40 pcs., accessories
REF 1207	Adhesive syringe 2 x 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.

## 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



REF 1770	Set 5 posts each of (∅ 1.2 mm, ∅ 1.5 mm, ∅ 2.0 mm), 1 drill each of (∅ 1.2 mm, ∅ 1.5 mm, ∅ 2.0 mm)
REF 1775	Post 10 (∅ 1.0 mm), 5 pcs.
REF 1772	Post 12 (∅ 1.2 mm), 5 pcs.
REF 1773	Post 15 (∅ 1.5 mm), 5 pcs.
REF 1774	Post 20 (∅ 2.0 mm), 5 pcs.
REF 1780	Drill 10 (∅ 1.0 mm), 1 pcs.
REF 1777	Drill 12 (∅ 1.2 mm), 1 pcs.
REF 1778	Drill 15 (∅ 1.5 mm), 1 pcs.
REF 1779	Drill 20 (∅ 2.0 mm), 1 pcs.

CAD / CAM material

Luting

Core build-up

Temporaries

Denture rellining

Impression

## 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



REF 1973	Post 4 (~ ∅ 0.8 mm), 5 pcs.
REF 1974	Post 6 (~ ∅ 1.0 mm), 5 pcs.
REF 1975	Post 9 (~ ∅ 1.2 mm), 5 pcs.
REF 1976	Post 12 (~ ∅ 1.4 mm), 5 pcs.

## Rebilda® DC

Dual-curing flowable core build-up and post luting system



**NEW**



### Indications

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

### Advantages

- **Dentine-like properties:** Cuts like dentine
- **Dual-curing:**
  - Usable in the root canal for bonding the root posts (e.g. Rebilda Post)
  - Fast polymerisation with light and reliability through additional chemical curing
- **Easy handling:**
  - Flowable consistency – perfect adaption
- **Available in 10 g QuickMix syringes and 50 g cartridge**
  - Optimised small mixing tips save material
  - Easy access of posterior areas with intraoral tips

### Rebilda DC fluorescent **NEW**

**Visible for the dentist – aesthetic for the patient:**

- Fluoresces under UV-A light – great visibility of excess material and build-up margins, also at deep subgingival levels
- Excellent aesthetics – dentine-coloured under natural light and therefore ideally suited for highly aesthetic restorations

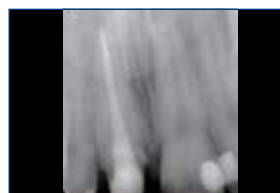
### Clinical Case



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.
<b>Rebilda DC fluorescent <b>NEW</b></b>	
REF 1399	Cartridge 50 g fluorescent dentine, accessories
REF 1406	QuickMix syringe 10 g fluorescent dentine, accessories

## Grandio® Core Dual Cure

Flowable dual-curing nano-hybrid core build-up material

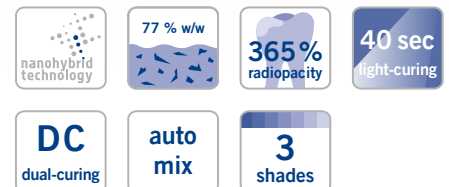
### Indications

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

## 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

REF 2158	Dispenser – type 2
REF 2185	Mixing tips type 6 for cartridge, 50 pcs.
<b>Shade</b>	<b>Cartridge 50 ml, mixing tips type 6</b>
A1	REF 2503
A2	REF 2504
A3	REF 2505
A3.5	REF 2506
B1	REF 2507
BL	REF 2510

### Clinical Case



Initial situation



Prepared cores



Finished temporary bridge



Appealing result

Source: Dr. Walter Denner, Fulda / Germany

## Structur 2

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



### Indications

Fabrication of aesthetic temporary crowns, bridges, inlays and onlays

### Advantages

- Simple and fast working steps
- Less than 1 minute setting time in the mouth
- Easy to shape and polish
- Available in 6 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

**6**  
shades

REF 2158	Dispenser – type 2	
REF 2185	Mixing tips type 6 for cartridge, 50 pcs.	
	<b>Cartridge 75 g, mixing tips type 6</b>	<b>Cartridge 5 × 75 g, mixing tips type 6</b>
<b>Shade</b>		
A1	REF 1479	–
A2	REF 1480	REF 1492
A3	REF 1481	REF 1491
A3.5	REF 1490	–
B1	REF 1482	–
BL	REF 1485	–

### Clinical Cases



Close-Up



Detailed view of wax-up



Close-ups of the temporary restoration with Structur 2

Source: Irfêo Saraiva de Camargo, Santo Agosthino / Brazil



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



Prepared and thereby axially corrected teeth



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

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

## Structur Premium

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



### Indications

Fabrication of temporary 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

**SC**  
self-curing

**auto**  
mix

temporary

**5**  
shades

REF 2158	Dispenser – type 2
REF 2185	Mixing tips type 6 for cartridge, 50 pcs.
<b>Cartridge 75 g, mixing tips type 6</b>	
<b>Shade</b>	
A1	REF 1712
A2	REF 1713
A3	REF 1714
B1	REF 1718
BL	REF 1716

## Provicol® QM Aesthetic

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



### Indications

Temporary luting of provisional or definitive inlays, onlays, crowns, partial crowns / veneers and bridges

Temporary filling of small one-surface cavities

### Advantages

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

<b>SC</b> self-curing	<b>auto mix</b>	temporary	contains $\text{Ca(OH)}_2$
--------------------------	-----------------	-----------	----------------------------

REF 1108	QuickMix syringe 5 ml, accessories
REF 1109	Set II QuickMix syringe 3 x 5 ml (1 x Provicol QM, 1 x Provicol QM Plus, 1 x Provicol QM Aesthetic), accessories
REF 2261	Dispenser – QuickMix
REF 2189	Mixing tips type 10, 50 pcs.

### Clinical Case



Easy removal of excess material



Attractive result with  $\text{ZrO}_2$  crowns

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

## Provicol® QM Plus

Eugenol-free temporary luting cement with calcium hydroxide



### Indications

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

Temporary filling of small one-surface cavities

### Advantages

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

- Semi-elastic properties for safe adhesion of the temporary
- Contains calcium hydroxide which is known to support the formation of tertiary dentine and to have an anti-microbial 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



<b>SC</b> self-curing	<b>auto mix</b>	temporary	contains $\text{Ca(OH)}_2$
--------------------------	-----------------	-----------	----------------------------

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® · Provicol® QM

Eugenol-free temporary luting cement with calcium hydroxide

### Indications

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

### Advantages

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



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

## Provicol® C

Proven Provicol in cartridges

### Indications

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

### Advantages

- Semi-elastic properties for safe adhesion of the temporary
- Contains calcium hydroxide which is known to support the formation of tertiary dentine and to have an anti-microbial 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



REF 1076	Cartridge 2 × 65 g, accessories
REF 2158	Dispenser – type 2
REF 2185	Mixing tips type 6, 50 pcs.

## Bifix® Temp

Dual-curing, composite-based temporary luting material

### Indications

Non-permanent luting of temporary restorations

### Advantages

- **Excellent aesthetics:** translucent, tooth-like shade
- **Handling:** film thickness of less than 5 µm for a perfectly accurate fit
- **Dual-curing:** simple removal of excess material after short exposure to light
- **Fluorescent under UV-A light:** for easier detection and removal of even the smallest material residues



REF 1055	QuickMix syringe 5 ml universal, accessories
REF 1056	QuickMix syringe 5 ml fluorescent, accessories <b>NEW</b>
REF 2261	Dispenser – QuickMix
REF 2188	Mixing tips type 9, 50 pcs.



## Clip · Clip F

Light-curing filling material for temporary restorations

### Indications

Temporary fillings

Temporary sealing of cavities, especially in inlay / onlay technique



### Advantages

- **Simple handling:** easy to remove without damaging preparation boundaries, excellent packability and sculpting properties
- **Fluoresces under UV-A light:** for easier detection and removal of even the smallest material residues
- **Efficient:** easy, economical application by syringe
- **Immediately load-bearing:** polymerisation by light-curing



<b>Clip</b>	
REF 1284	Syringe 2 × 4 g
REF 1285	Syringe 3 × 4 g
REF 1287	Caps 25 × 0.2 g
REF 9301	Dispenser – Caps
<b>Clip F (with fluoride)</b>	
REF 1289	Syringe 2 × 4 g
REF 1283	Syringe 3 × 4 g
<b>Clip F fluorescent</b>	
REF 1288	Syringe 2 × 4 g fluorescent

## 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
- Loading and saliva-proof
- Elastic, flowable and non-sticky
- Time-saving through light-curing



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

### Clinical Case



Abutment with open aperture



Aperture sealed with Clip Flow



Finished seal after light-curing

Source Dr. Marcelo Balsamo, São Paulo / Brasil

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

# Ufi Gel® hard C

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

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.

## Clinical Case



# Ufi Gel® SC

Permanently soft, cold-curing relining material on silicone base



## Indications

Permanently soft relining for total and partial dentures

- to eliminate pressure spots
- to dam the palatal vibrating line
- in cases of flabby ridges and / or insufficient adhesion
- to cushion sharp-edged alveolar processes
- to support the healing process in implantology

## Advantages

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

## Clinical Case



SEATING OF THE PROSTHESIS AND MOVEMENTS OF THE MANDIBLE



**SC**  
self-curing

**auto mix**

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 x 10 ml (base / catalyst)
REF 2158	Dispenser – type 2
REF 2187	Mixing tips type 8, 50 pcs.

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

## 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
- relining 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.

#### V-Posil Putty Fast

REF 2561	Jar 2 × 450 ml, accessories
REF 2562	Jar 8 × 450 ml, accessories
REF 2564	Cartridge 2 × 380 ml
REF 2204	Mixing tips type 31, 50 pcs.

#### V-Posil Putty Soft Fast

REF 2579	Jar 2 × 450 ml, accessories
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#### 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 2204	Mixing tips type 31, 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 2204	Mixing tips type 31, 50 pcs.
REF 2133	Intraoral tips type 6, 50 pcs.

#### Monophase impression



#### Double mixing impression



#### Correction impression



# V-Posil® Light Fast · V-Posil® X-Light Fast

Precision impression material, VPS



## Indications

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

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

## Advantages

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

<b>V-Posil Light Fast</b>	
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.
<b>V-Posil X-Light Fast</b>	
REF 2575	Cartridge 2 × 50 ml, accessories
REF 2186	Mixing tips type 7, 50 pcs.
REF 2141	Intraoral tips type 3, 50 pcs.

## Clinical Case



Prepared teeth with retraction cord



Encasing the teeth in V-Posil Light Fast



Precise impression taking with V-Posil Putty Fast and V-Posil Light Fast



Finished denture on the model



Aesthetically natural result

Source: Dr. Walter Denner, Fulda / Germany

CAD / CAM material

Luting

Core build-up

Temporaries

Denture relining

Impression

## 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.

### Application



Excellent surface affinity



No resistance on occlusion



The bite registration can be easily trimmed with a scalpel

## VOCO Retraction Paste

Astringent paste for an effective temporary widening and dry gingival sulcus



### Indications

For temporary retraction of the marginal gingiva to provide a dry gingival sulcus when the periodontium is healthy prior to, e. g.

- analogue or digital impressions
- cementation of temporary and permanent restorations
- preparation of class II and V fillings

### Advantages

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

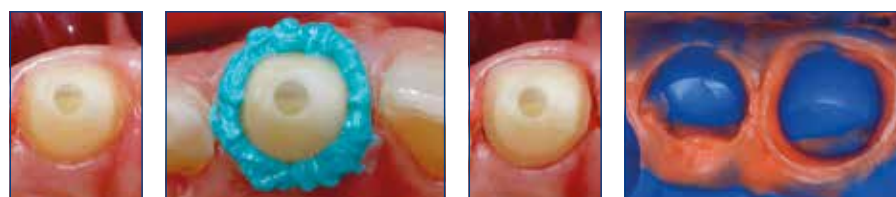


REF 1012	Caps 25 × 0.3 g
REF 1013	Caps 100 × 0.3 g
REF 9301	Dispenser – Caps

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

Dr. Bogdan Bratu, Romania

### Application



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

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

## Individo® Lux

Preformed individual impression trays, light-curing



3-5 min  
light-curing

REF 2402	Maxillae 50 pcs. blue opaque
REF 2408	Maxillae 50 pcs. blue transparent

### 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



3-5 min  
light-curing

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

### 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



## Devices · Various

**Advancement. Efficacy. Practice-orientation.**

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

## Caps Warmer

Preheating device for composite Caps



REF 9001 Preheating device

### Indications

Device for warming composite Caps

### Advantages

- Allows brief warming of composite Caps
- The specially designed tray optimally encloses VOCC 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

## VOCC GIC Mixer®

Capsule mixing device especially for glass ionomer cements



REF 9050 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

# Celalux® 3

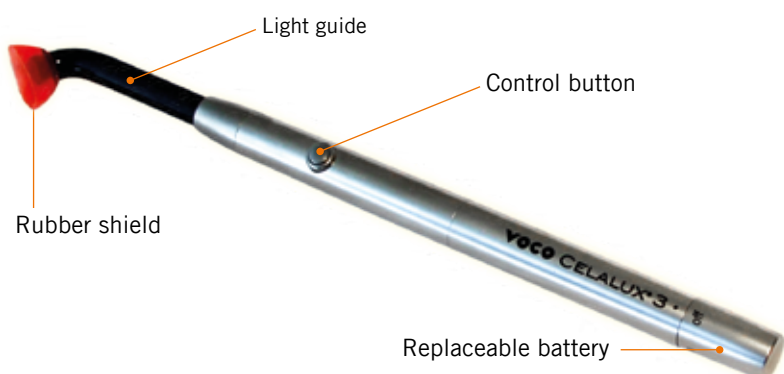
## High-Power LED curing-light

### 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 / cm<sup>2</sup>)
- 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



REF 9090	Celalux 3 (handpiece, battery charger, power cord with interchangeable mains adapters, 2 Device Bases, 8 mm light guide, rubber shield, operating instructions)
<b>Accessories</b>	
REF 9091	Light guide 8 mm, autoclavable
REF 9092	Device Base
REF 9093	Rubber shield, 5 pcs.

### Technical data

Wave length range	450–480 nm
Output	1,300 mW / cm <sup>2</sup>
Handling	Intermittent use, 10 cycles, each of 20 s duration / 3 min. break
Operating time with fully charged battery	> 45 cycles, each of 20 s duration
Light guide	ø 8 mm
Device Base	Lithium polymer, 270 mAh
<b>Handpiece</b>	
Dimensions	ø 12.6 mm, L 210 mm
Weight	70 g (incl. device base and light guide)
<b>Battery charger</b>	
Dimensions	L 160 mm × B 90 mm × H 35 mm
Weight	170 g
Radiometer	built-in, Green light: sufficient light output Red light: insufficient light output
Mains voltage	100–240 V AC, 50 / 60 Hz
Power supply	6 V DC / 1 A
Classification	Type BF
Electrical insulation	Class II
Connector	interchangeable adapter for DE, UK, USA (supplied)

## 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
REF 2252	Pele Tim, No. 1, 3.000 × ø 4 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.

## 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
- Painless 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

## Traypurol®

Concentrated cleaning agent for impression trays and instruments



### Indications

Self-acting cleaning of impression trays and instruments

### Advantages

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

REF 2289	Bottle 1 l
REF 2290	Canister 5 l

## Traypurol® tabs

Active-tabs for cleaning impression trays and instruments



### Indications

Self-acting cleaning of impression trays and instruments

### Advantages

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

REF 2355	50 pcs.
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## 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

## AC Applicator type 2

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









REF 2334 Applicator – AC type 2








## 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 Provicol C, Structur Premium, Structur 2 in cartridge, Structur 3 in cartridge, 50 pcs.		REF 2194	Mixing tips type 14 for Bifix SE, 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, 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 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, Bifix Hybrid Abutment, 50 pcs.		REF 2199	Mixing tips type 19 for Rebuilda DC in cartridge, bendable, 30 pcs.	
REF 2189	Mixing tips type 10 for Meron Plus QM, Provicol QM, Provicol QM Aesthetic, Provicol QM Plus, Quick Up, Structur 2 in the Quick-Mix syringe, Structur 3 in the QuickMix syringe, 50 pcs.		REF 2202	Mixing tips type 20 for CediTEC, 50 pcs.	
REF 2191	Mixing tips type 11 for Bifix Hybrid Abutment, Bifix QM, Grandio Core Dual Cure in the QuickMix syringe, Rebuilda DC in the QuickMix syringe, 50 pcs.		REF 2204	Mixing tips type 31 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., bayonet ring 1 pc.	
REF 2192	Mixing tips type 12 for Rebuilda DC in cartridge, 50 pcs.				

Application aids					
REF 2249	Micro Tim, fine application brushes, 100 pcs.		REF 2247	Single Tim, application brushes, 100 pcs.	
REF 2309	Disposable brushes for dental brush holder, 100 pcs.		REF 2246	Endo Tim, application brushes, to be used in the root canal, 50 pcs.	
REF 2338	Brush holder for VOCO disposable dental brushes and Micro Tim, 5 pcs.		REF 2245	Easy Brush, application brushes, 50 pcs.	
			REF 2248	Sticky Tim, Application aid with adhesive tip, 70 pcs.	

Devices

Others

Cleaning

Small devices

Disposable articles











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, GrandioSO Light Flow, Grandio Seal, 100 pcs.	
REF 2146	Application cannulae type 41 for Admira Fusion Flow, Bifix Hybrid Abutment, Calcimol LC, Grandio / SO Flow, Ionoseal, 100 pcs.		REF 2148	Application cannulae type 46 for Admira Fusion x-base, AlignerFlow LC, 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, AlignerFlow LC, Amaris Flow, Block Out Gel LC, GrandioSO Light Flow, Quick Up LC, Twinky Star Flow, 100 pcs.		REF 2135	Application cannulae type 50 for Bifix Veneer LC, Bifix Veneer Try-In, 30 pcs.	

Intraoral tips					
REF 2133	Intraoral tips type 6 for V-Posil Mono Fast, 50 pcs.		REF 2141	Intraoral tips type 3 for Rebuilda DC in cartridge, V-Posil Light Fast, V-Posil X-Light Fast, 50 pcs.	
REF 2139	Intraoral tips type 1 for Bifix Hybrid Abutment, Bifix QM, Bifix SE, Perfect Bleach Office+, to be used in the root canal with Rebuilda DC in the QuickMix syringe, 50 pcs.		REF 2142	Intraoral tips type 4 for Bifix Hybrid Abutment, Bifix QM, Grandio Core Dual Cure in the QuickMix syringe, Rebuilda 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 2315	Mixing palettes, 20 pcs.	

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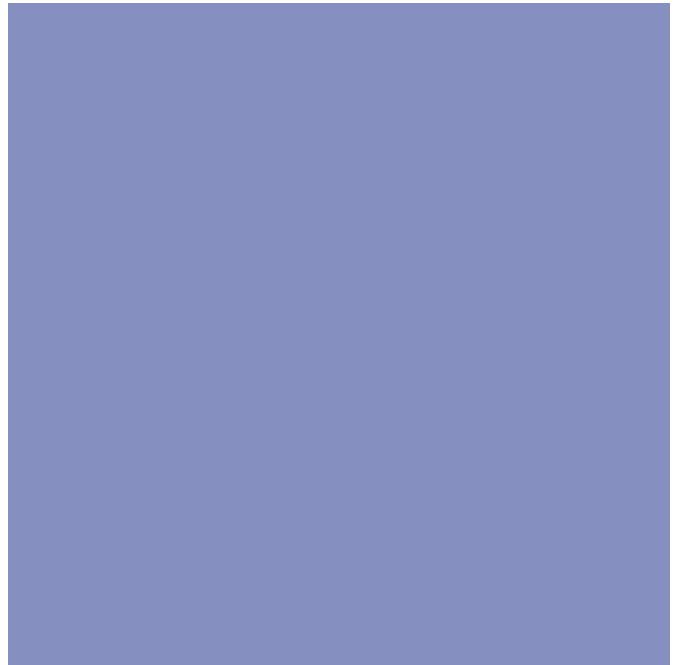
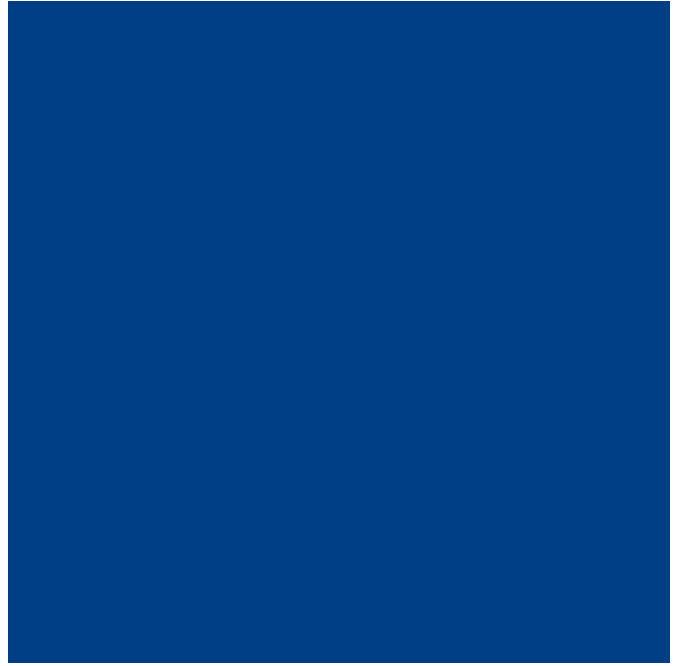
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