



INNOVATION PRECISION EXCELLENCE

DENTAL CATALOG



VOCO
THE DENTALISTS



VOCO – THE DENTALISTS

For over 35 years German based VOCO has been and continues to be one of the leading international manufacturers of dental materials. With our intensive research and development efforts in the fields of composites, adhesives and other dental materials, VOCO continues to set new standards in the development of innovative dental products and application aids to improve dental care throughout the world.

As a proponent of both innovation and education, VOCO's researchers maintain close contact with more than 150 universities and research institutes worldwide while also leading several research projects co-sponsored by the German Federal Ministry of Research. Through various channels including our educational web page www.vocolearning.com, VOCO regularly hosts and sponsors continuing education seminars, live and On Demand webinars, and instructional courses for practicing dentists. Additionally, VOCO engages and encourages the next generation of dentists and scientists through the VOCO Dental Challenge Research Competition held annually.

With the vision of a technological forerunner, VOCO has blazed the path as a leader with our implementation of nano-technology and nano-ORMOCER® technology, elevating our products in the eyes of many independent evaluators especially those here in the United States, where our German-engineered products are winners of 4 and 5 star ratings from The Dental Advisor, REALITY and other independent institutes. Further evidence of VOCO's undying commitment and dedication to the highest quality of product manufacturing and quality assurance is our certification pursuant to EN 13485 and 93/42 EEC – Annex II (US and European manufacturing standards).

Never resting and with an eye always looking to the future, VOCO has made another step forward with the introduction of our line of digital work flow technologies that include CAD/CAM blocks and discs, 3D Printers and 3D Printing materials as well as a Digital scanner based on cutting edge, proprietary holographic scanning technology.

As a global player VOCO exports to over 100 countries on 6 continents. In the United States we are proud to offer you our products through Patterson Dental Supply Inc. and Henry Schein, Inc.. Both of these fine distributors provide one day delivery to most cities in the U.S. In Canada VOCO products are available through Henry Schein, Patterson, Sinclair, K-Dental and Central Dental.

We are proud to offer you Innovative Products, High Quality, Optimal Support and Exceptional Value!

For detailed information or to place an order, please contact your VOCO Service Team at:

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Very truly yours,

VOCO – The Dentologists

**Innovation
Precision
Excellence**

Made in Germany

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Preventive Care

Fluoridation · Desensitization						
Page	fluoridation	desensitization	ppm fluoride	presentation	flavor	
5	•	•	1,450 ppm	tube	mint, melon, strawberry	
5		•		SingleDose, bottle	neutral	
6	•	•	22,600 ppm	SingleDose, tube	mint, melon, caramel, cherry, bubble gum	
7	•	•	22,600 ppm	SingleDose, bottle	neutral	
8	•	•	11,300 ppm	SingleDose, bottle	clinical	

Fissure sealing		
Page	% w/w	
9	70	opaque
		•
		clear



Triple protective dental tooth cream without the risk of milk protein allergies

Indications

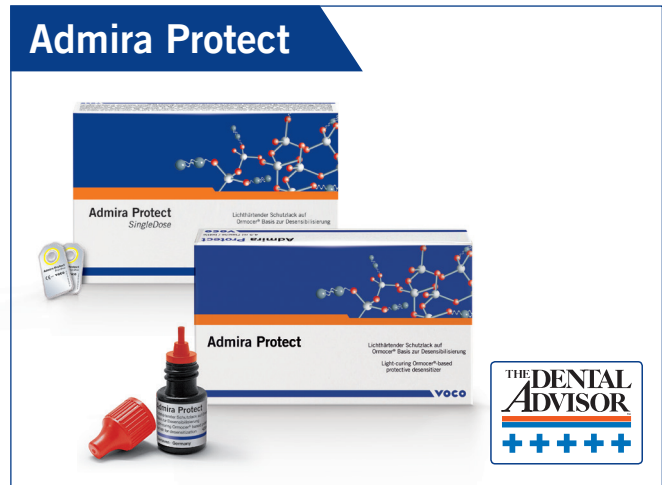
- After whitening
- After professional cleaning
- Prevention and control of hypersensitivities

Advantages

- Triple protection of fluoride, nano-hydroxyapatite (calcium and phosphate) and Xylitol
- Nano-hydroxyapatite restores the mineral balance
- 61% more fluoride (1,450 ppm) than the leading brand
- Contains Xylitol which has cariostatic properties
- No risk of milk protein allergies as with other brands
- Fast acting and great tasting
- Easy to apply with a finger, soft toothbrush or in a tray
- CDT Insurance Code 9910 can be used as an application for desensitizing medicament¹



Presentation	
REF 2003	12 x 40 g tube melon
REF 2004	12 x 40 g tube mint
REF 2005	12 x 40 g tube strawberry
REF 2006	12 x 40 g tube (4 each x melon, mint, strawberry)
REF 2007	3 x 40 g tube (1 each x melon, mint, strawberry)



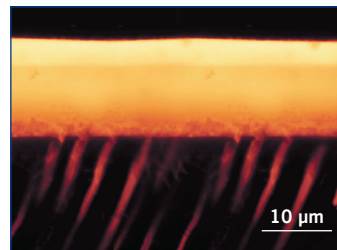
Light-cured, Nano-filled desensitizer

Indications

- Treatment of hypersensitive dentin
- Treatment of cervical areas (including crown margins, after tooth cleaning or tartar removal, exposed cervical areas etc.)

Advantages

- No hypersensitivity for up to two years
- Biocompatible ORMOCER® matrix – no glutaraldehyde
- Significant reduction of stimulus transfer through intensive deep sealing of exposed root dentin
- High wear resistance through special nano filler technology
- High bond strength
- CDT Insurance Code 9911 can be used as an application of desensitizing resin for cervical and/root surface, per tooth¹



Homogeneous covering of dentin with Admira Protect. The bright areas indicate infiltration into the tubules. Admira Protect CLSM study (PD Dr. T. Pioch), Confocal laser scanning microphotography (CLSM) of Admira Protect on unetched dentin. Photo courtesy of PD Dr. T. Pioch, University Hospital, Heidelberg – Germany

Presentation	
REF 1651	pack 50 x 0.06 ml <i>SingleDose</i> , 50 Micro Tim
REF 1652	pack 200 x 0.06 ml <i>SingleDose</i> , 200 Micro Tim
REF 1650	pack 4.5 ml bottle
REF 2249	micro tim – 100 pack
REF 2338	disposable brush holder – 5 pack

¹ Patti DiGangi, RDH, BS Current Dental Terminology©2018/American Dental Association. All rights reserved.



Easy, tasteful and transparent 5% Sodium Fluoride Varnish

Indications

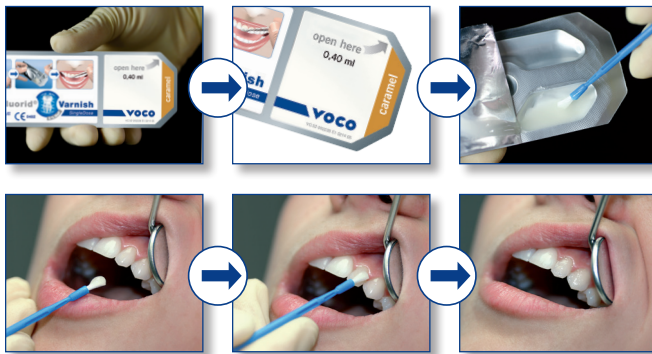
Treatment of hypersensitive teeth

Sealing the dentinal tubules for cavity preparations or on sensitive root surfaces

Cavity liner under amalgam restorations

Advantages

- Easy non-messy *SingleDose* delivery system
- Tooth-shaded color without yellow discoloration of teeth
- In five flavors without the unpleasant aftertaste of some other brands
- Adheres well to moist surface and sets quickly in seconds after contact with saliva
- High immediate fluoride release to relieve hypersensitivity
- Enhanced flow characteristics allow Profluorid Varnish to reach areas traditional varnishes may miss
- Contains Xylitol
- Does not contain, tree nuts, peanuts, corn, shellfish, eggs, milk protein, soy, gluten, triclosan, petroleum, red dye/artificial coloring, saccharin or aspartame
- CDT Insurance Code 1206 can be used for topical application of fluoride varnish¹
- CPT Insurance Code 99188 for medical claims



Presentation			
REF 2225	48 <i>SingleDose</i> (0.4 ml adults) assorted, accessories		
REF 1268	50 <i>SingleDose</i> (0.25 ml kids) melon, accessories		
Flavor	<i>SingleDose</i> 50 × 0.4 ml	<i>SingleDose</i> 200 × 0.4 ml	tube 10 ml
melon	REF 1269	REF 1271	REF 1267
caramel	REF 2226	REF 2229	REF 2232
cherry	REF 2227	REF 2230	REF 2233
mint	REF 2228	REF 2231	REF 2234
bubble gum	REF 2238	REF 2239	

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Not available
in Canada

Clear 5% Sodium Fluoride Liquid Varnish – especially formulated not to interfere with bleaching procedures

Indications

- Treatment of hypersensitive teeth
- Sealing of the dentinal tubules for cavity preparations or on sensitive root surfaces
- Cavity liner under amalgam restorations
- Desensitizer before and after bleaching

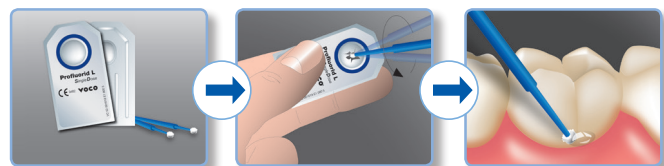
Advantages

- Profluorid L synthetic resin matrix ensures effective desensitizing during bleaching without interfering with the bleaching results. Your patients will feel immediate relief which makes Profluorid L the product of choice for each bleaching session.
- Thin and clear for perfect esthetics
- Liquid consistency for easy and economical application
- Effective double protection of 5% sodium fluoride and calcium deposits. The sodium fluoride works immediately while the calcium deposits store and release fluoride over time. The perfect formula for immediate and long-term results.
- Free of glutaraldehyde, gluten or methacrylates
- CDT Insurance Code 9910 can be used as an application for desensitizing medicament¹

Bottle



SingleDose



Presentation

- REF 1590 50 *SingleDose*, accessories
- REF 1591 200 *SingleDose*, accessories
- REF 1592 pack 1 × 4 g bottle, easy brushes, accessories
- REF 2245 easy brushes - 50 pack

¹ Patti DiGangi, RDH, BS Current Dental Terminology©2018/American Dental Association. All rights reserved.

Bifluorid 5

Not available
in U.S.A.



Clear Liquid Varnish with Sodium and Calcium Fluoride – formulated not to interfere with bleaching procedures

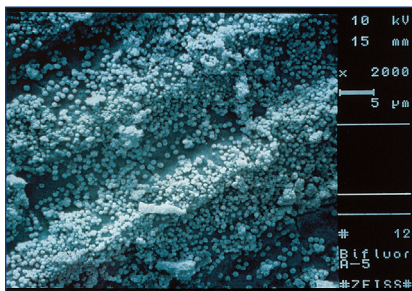
Indications

Treatment of hypersensitivity including:

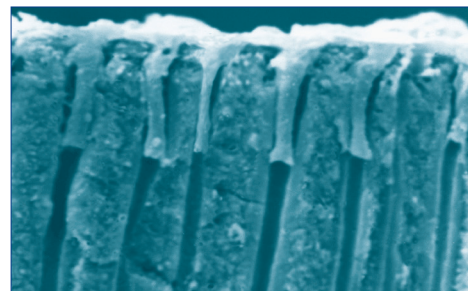
- cervical area and crown margin sensitivity
- after professional cleaning and calculus removal
- tooth surfaces after preparation and/or grinding
- worn occlusal surfaces and teeth carrying clasps
- after injury of the enamel (e.g. fractures, chips)
- sealing cavity margins after restoration, especially after the etching technique has been employed
- as a dentin protection/lining under amalgam fillings
- after bleaching

Advantages

- Bifluorid 5's synthetic resin matrix ensures effective desensitizing during bleaching without interfering with the bleaching results. Your patients will feel immediate relief which makes Bifluorid 5 the product of choice for each bleaching session.
- Thin and clear for perfect esthetics
- Liquid consistency for easy and economical application
- Effective double protection of sodium fluoride and calcium fluoride. The sodium fluoride works immediately while the calcium deposits store and release fluoride over time. The perfect formula for immediate and long-term period.
- Free of glutaraldehyde, gluten or methacrylates



REM-photograph with kind permission of University of Freiburg.



Deep penetration into the tubules

Presentation

REF 1330	Bifluorid 5, 50 <i>SingleDose</i>	REF 1335	Bifluorid 5 set 4 g, 10 ml Solvent
REF 1331	Bifluorid 5, 200 <i>SingleDose</i>	REF 1336	Bifluorid 5 giant pack 3 x 10 g, 10 ml Solvent
REF 1333	Bifluorid 5 bottle 10 g	REF 1032	Solvent bottle 10 ml

Grandio Seal



Highly filled Nano-hybrid pit and fissure sealant

Indications

- Seals / fills pits and fissures
- Seals damaged enamel surfaces
- Covers caries prone areas during orthodontic treatments
- Seals deciduous teeth

Advantages

- 70% filled by weight for excellent wear resistance
- Low shrinkage
- Superb flow and wetting properties
- Patented NDT^{®1} (Non-Dripping Technology) Syringes and ultra-fine placement cannulas
- Drip-free, bubble-free placement
- Excellent penetration of the deepest pits and fissures
- One radiopaque shade for optimum visibility
- CDT Insurance Code 1351 can be used as a per tooth sealant to prevent decay²

Technical Data

Adhesion to enamel (after 24 hours of storage in water)	16.9 MPa
Transverse strength	130 MPa
Transverse strength after thermocycling	107 MPa
Wear (ACTA)	41.7 µm
Filler content	70.2% by weight

Presentation

REF 1060	Kit 5 × 2 g syringes with intraoral tips type 45, 5 ml Vococid
REF 1061	refill 2 × 2 g syringes, intraoral tips type 45
REF 2147	intraoral tips type 45 – 100 pack

¹US Patent No: 8,641,416 B2 ² Patti DiGangi, RDH, BS Current Dental Terminology[®]2017/American Dental Association. All rights reserved.



Ready-to-use calcium hydroxide paste

Indications

Indirect capping for the treatment of caries profunda

Direct capping when the pulp is opened or a pulpotomy is performed

Lining of cavities to prevent exposure to acid media when using cements

For temporary filling of root canals

Advantages

- Suitable for use under any lining or restorative material
- Immediately ready for use
- Antimicrobial effect due to high pH value (12.5)
- Calcium hydroxide content of 45%
- Radiopaque
- Promotes the formation of tertiary dentin
- Effective pulp protection

Presentation

REF 1093 syringe 2.5 g, intraoral tips type 47

REF 2131 intraoral tips type 47 - 30 pack



Self-cured paste to paste calcium hydroxide

Indications

Indirect pulp capping
Lining under all filling materials

Advantages

- Effective protection of the pulp
- Easy application
- Suitable working time
- Short setting time
- Contains 26% calcium hydroxide
- Radiopaque
- Supports the formation of tertiary dentin

Presentation

REF 1097 base 13 g, catalyst 11 g



Light-cured, resin modified calcium ion releasing calcium hydroxide paste

Indications

Indirect pulp capping
Lining under all filling materials
Protection when applying the total-etch technique

Advantages

- Calcium ion release promotes hydroxyapatite and tertiary dentin growth
- High pH level (9.5–11) supports healing and has an antimicrobial effect
- Flow on demand – stays where you apply it
- Non-Dripping syringe for easy placement without waste
- Virtually eliminates sensitivities by creating a sealed barrier to the pulp
- Suited for pulp capping* and as a base liner under all restorative materials and cements
- High compressive strength for a solid foundation
- Radiopaque for easy x-ray identification
- Acid resistant

Calcimol LC in the NDT^{®1} syringe

- NDT^{®1} means Non-Dripping Technology
- Especially for fine-flowing materials
- Can be dosed and applied precisely
- No loss or waste of material

Presentation

REF 1307 syringes 2 × 2.5 g, intraoral tips type 41
REF 2146 intraoral tips type 41 - 100 pack

*only for indirect pulp capping

¹US Patent No: 8,641,416 B2



One component light-cured resin modified glass ionomer liner

Indications

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

Advantages

- Saves time: Ready-to-use one component material
- Fast 20 sec. light-cure (2 mm)
- High compressive strength (226 MPa)
- Acid resistant allows for total-etch bonding technique
- Patented NDT^{®1} Syringe saves material
- High fluoride release protects against secondary caries
- High biocompatibility
- Radiopaque

Presentation

REF 1326 pack 3 × 2.5 g syringes, intraoral tips type 41
 REF 2146 intraoral tips type 41 - 100 pack

¹US Patent No: 8,641,416 B2



Phosphoric etchant gel

Indications

Etching of enamel and dentin in the etch-bond technique

Advantages

- Non-dripping gel consistency
- 35 % orthophosphoric acid
- Blue color for visual control

Presentation

REF 1063 Syringe 5 ml, accessories
 REF 1224 Syringe 5 × 2 ml, accessories
 REF 2310 intraoral tips type 42 - 30 pack
 REF 2132 intraoral tips type 48 - 50 pack



Light-cured universal dentin/enamel adhesive

Indications

Direct restoration with composite restoratives for all cavity classes

Adhesive cementation of crowns, bridges, inlays, onlays and veneers with resin cement

For light-, self- and dual-curing composites

Advantages

- “Stick immediately effect” for convenient composite application
- Can be used with or without dentin etching
- Primer and adhesive are moisture tolerant for application of wet-bonding technique
- Durable restoration through CTR-adhesion, equally high dentin adhesion with or without total-etch technique
- Solobond Plus remains elastic and ensures lasting marginal tightness

ALSO FOR CHEMICAL AND DUAL-CURED RESTORATIVES

Technical Data		
Bonding strength to:		
	- enamel (bovine)	24.2 MPa
	- dentin* (total etch)	31.0 MPa
	- dentin* (no etching)	27.9 MPa

Presentation	
REF 1044	set 4 ml primer, 4 ml adhesive, 5 ml Vococid syringe, accessories
REF 1048	refill 4 ml primer
REF 1049	refill 4 ml adhesive



Light-cured total-etch, one coat; one bottle adhesive

Indications

Direct restoration with all types of light-cured restoratives (ORMOCER®s, composites, compomers)

Advantages

- Acetone based for better water displacement; deeper tubule infiltration and reduced sensitivity
- Unique combination of micro mechanical and chemical bonding for superior high bond strength to dentin and enamel
- Elasticity during peak stress ensures long-lasting marginal seal
- Low uniform film thickness
- 10 year proven success record
- Easy dispensing one-drop bottles

CTR adhesion describes the adhesion mechanisms of VOCO dentin and enamel bonding agents

CTR stands for:

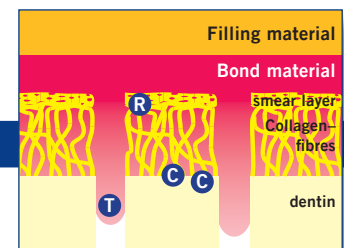
C = chemical bond through complex formation to dentinal calcium

C = a second chemical adhesion mechanism through a special monomer to chemically bound phosphate

T = development of tags in the tubuli

R = retentive adhesion to free collagen fibers

Presentation	
REF 2479	pack 4 ml bottle
REF 2432	pack 2 x 4 ml bottles





Nano-reinforced single step self-etch adhesive in a *SingleDose* or bottle delivery system

Indications

Light-cured, self-etch adhesive for direct restorations with light-cured filling materials for all cavity Classes

Advantages

- Over 30 MPa adhesion to dentin and enamel
- No post-operative sensitivities (The Dental Advisor)
- Reinforced with nano particles
 - increased bonding values
 - increased marginal integrity
- Fast and easy one-coat application (apply, dry, cure in 35 sec.)
- Moisture tolerant
- No refrigeration or shaking necessary
- Contains fluoride

Technical Data		
Application time		20 sec.
Drying time		5 sec.
Curing time		10 sec.
Bonding strength to	- enamel	31.4 MPa
	- dentin	30.6 MPa
Cavity Stress Test		
Tightness before stress	- enamel	100 %
	- dentin	99 %
Tightness after stress*	- enamel	100 %
	- dentin	97 %

*stress 3,000 cycles of masticatory load of 250N

Presentation	
REF 1152	pack 50 x 0.1 ml <i>SingleDose</i> , accessories
REF 1153	pack 200 x 0.1 ml <i>SingleDose</i> , accessories
REF 1148	set 4 ml Liquid A, 4 ml Liquid B
REF 2247	single tim – 100 pack



One component Nano-reinforced self-etch bond in a bottle delivery system

Indications

Light-cured, self-etch adhesive for use with light-cured restoratives in all cavity Classes

Advantages

- Excellent adhesion to dentin and enamel
- Easy and fast application – one-coat, one-cure technique
- Moisture tolerant
- Excellent wetting properties
- No shaking, no rubbing
- Working time up to 5 minutes

Presentation	
REF 1350	bottle 5 ml, accessories
REF 1351	bottles 3 x 5 ml
REF 2247	single tim – 100 pack



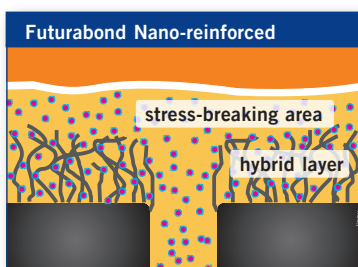
Self-etch, dual-cured adhesive for all light-, dual- and self-cured resin materials

Indications

Dual-cured, self-etch adhesive for direct and indirect restorations with self-, light- and dual-cured resin materials

Advantages

- Over 30 MPa adhesion to dentin and enamel with LC composites and strong bond strength with DC and SC composites
- Virtually no post-operative sensitivities
- Can be used without light – great for endo
- Reinforced with nano particles – increased bonding values – increased marginal integrity
- Fast and easy one-coat application (apply, dry, cure in 35 sec.)
- Moisture tolerant
- No refrigeration or shaking necessary
- Contains fluoride



Presentation

REF 1164 pack 50 x 0.1 ml *SingleDose*, accessories
 REF 1165 pack 200 x 0.1 ml *SingleDose*, accessories
 REF 1163 set 4 ml liquid 1, 4 ml liquid 2, accessories
 REF 2246 endo tim (for use in root canal) – 50 pack
 REF 2247 single tim – 100 pack



Universal adhesive in a bottle delivery system

Indications

Direct and indirect restorations using any light-cured methacrylate-based restorative, core build-up or composite

Intraoral repair of fillings, ceramic veneers and all-ceramic restorations without an 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 cementation

In combination with Futurabond M+ DCA (Dual Cure Activator):

Direct and indirect restorations using any self-cured or dual-cured methacrylate-based restorative, core build-up or luting composite

Cementation of root posts with dual-curing or self-curing composites

Advantages

A flexible and reliable solution for every bonding situation

- Can be applied with or without phosphoric acid etchant
- Suitable for direct and indirect restorations
- Secure adhesion to various materials such as metals, zirconium or aluminum oxide, as well as silicate ceramics, without additional primer
- Applied in one layer – only 35 seconds total working time

Presentation

REF 1515 bottle 5 ml, accessories
 REF 1516 bottle 3 x 5 ml
 REF 1518 Dual Cure Activator (DCA) bottle 2 ml
 REF 2247 single tim – 100 pack

Futurabond U



Dual-cured Universal adhesive

Indications

Direct and indirect restorations using any light-cured, self-cured or dual-cured methacrylate-based restorative, core build-up or 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 cementation

Cementation of root posts with dual-curing or self-curing composites



Advantages

- One adhesive for all your adhesive dentistry
 - Self-etch, selective-etch or total-etch
 - For all direct or indirect materials without any extra activator
 - Bonds to all light-, dual- and self-cured resin materials
 - Bonds to metal, zirconia, aluminum oxide, silicate ceramic without any extra primer
- VOCO's patented *SingleDose* System eliminates the solvent evaporation problem that exists with bottle systems. Ensuring reliable and consistent bond strengths with each use
- Fast and easy one-coat application (apply, dry and cure in 35 sec.)
- Virtually no post-operative sensitivity
- Over 30 MPa adhesion to dentin and enamel with LC composites and strong bond strength with DC and SC composites
- Reinforced with nano particles for permanent bond strength

Endo Tim

Indications

Brushes for applying bonding agents and varnishes into the root canal



Presentation

REF 1571	pack 50 × 0.1 ml <i>SingleDose</i> , accessories
REF 1572	pack 200 × 0.1 ml <i>SingleDose</i> , accessories
REF 1574	Trial Kit 20 × 0.1 ml <i>SingleDose</i> , Vococid Gel 2 ml syringe, accessories
REF 2246	endo tim (for use in root canal) – 50 pack
REF 2247	single tim – 100 pack

Resin & Nano-ORMOCER® based RestoratIVES

Page	Composites	cavity class						shades				filler content [% w/w]					
		I	II	III	IV	V	base / liner	fissure sealing	restoration of deciduous teeth	core build-up	indirect inlays, onlays, veneers		opaque	universal	translucent	material class	
18	GrandioSO universal / aesthetic	•	•	•	•	•			•	•	•	3	13	1	syringe, Caps	Nano-hybrid	89
19	GrandioSO Heavy Flow (high viscosity) universal / aesthetic	•	•	•	•	•	•			•		2	10	1	NDT® syringe, Caps	Nano-hybrid	83
20	GrandioSO Flow (medium viscosity) universal / aesthetic	•	•	•	•	•	•			•		2	10	1	NDT® syringe, Caps	Nano-hybrid	81
21	Grandio universal	•	•	•	•	•				•		2	13	1	syringe, Caps	Nano-hybrid	87
22	Amaris / Amaris Flow highly aesthetic / 2-layer system	•	•	•	•	•				•		7		4	syringe, Caps	Nano fine-hybrid	80
23	Amaris Gingiva highly aesthetic / gingiva-colored					•						3	1		syringe	Nano fine-hybrid	80
28	x-tra fil bulk filling	•	•												syringe, Caps	multi-hybrid	86
29	x-tra base bulk filling	• ¹	•	•	•	•	•			•			2		NDT® syringe, Caps	multi-hybrid	75
Nano-ORMOCER®s																	
24	Admira Fusion universal / aesthetic / biocompatible	•	•	•	•	•						4	13	1	syringe, Caps	Nano-ORMOCER®	84
25	Admira Fusion Flow universal / aesthetic / biocompatible			•	•	•	•			•		2	9	1	NDT® syringe	Nano-ORMOCER®	74
26	Admira Fusion x-tra bulk-fill / biocompatible	•	•	•	•	•									syringe, Caps	Nano-ORMOCER®	84
27	Admira Fusion x-base bulk-fill / biocompatible	• ¹	•	•	•	•	•			•			1		NDT® syringe	Nano-ORMOCER®	72
Compomers																	
30	Twinky Star colored / sparkling	• ³	• ³									8 ²			Caps	compomer	78

¹ small
² colored, with glitter effect
³ Deciduous Tooth

An overview of our glass ionomer restorative materials can be found on page 34.



Universal light-cured 89% filled Nano-hybrid composite for anterior and posterior fillings of all classes

Indications

- Class I - V restorations
- Reconstruction of traumatically damaged anteriors
- Facetting of discolored anteriors
- Correction of shape and shade for improved aesthetic appearance
- Locking, splinting of loosened teeth
- Repairing veneers
- Restoration of deciduous teeth
- Core build-up under crowns
- Composite inlays

Advantages

89% fillers by weight:

- Outstanding wear resistance
- Enhanced color stability

30-50% less resin compared to classic hybrid and pseudo nano composites:

- Low shrinkage of only 1.6 vol.%
- Non-sticky
- Prolonged working time under ambient light

Designer Nano particles:

- Excellent polishability and polish retention
- Tooth-like modulus of elasticity
- Tooth-like thermal expansion and flexural strength
- VOCO presents its individual cross contamination prevention packaging for capsules



Technical Data		
Filler Content:	89% by weight 73% by volume	DIN 51081
Shrinkage:	1.61%	analogous Watts et al.
Surface Hardness (Micro-Vickers hardness)	211 MHV	University of Rostock, Germany
Modulus of Elasticity	16,650 MPa	ISO 4049
Depth of Cure	>2.8 mm/20 s	ISO 4049
Radiopacity	320% Al	ISO 4049
Resistance to Ambient Light	4'30"	ISO 4049
Gloss	84 GU	DIN 67530
Wear Rate	18 µm	3 body wear (ACTA 200,000)

Presentation

- REF 2646 Trial Kit, 8 × 0.25 g Caps (2 × A1, 2 × A2, 2 × A3, 2 × GA3.25) 1 × 1 g GrandioSO Heavy Flow syringe A2, 1 × Dimanto Polisher
- REF 2640 Caps Kit, 80 × 0.25 g Caps (A1, A2, A3, GA3.25, B1) shade guide
- REF 2600 Syringe Kit, 5 × 4 g syringes (A1, A2, A3, GA3.25, B1) shade guide
- REF 2607 shade guide
- REF 9301 1 Caps Dispenser
- refills (1 × 4 g syringe/16 × 0.25 g Caps), each:

shade	1 × 4 g syringe	16 × 0.25 g Caps	shade	1 × 4 g syringe	16 × 0.25 g Caps
A1	REF 2610	REF 2650	D3	REF 2627	REF 2667
A2	REF 2611	REF 2651	I (Incisal)	REF 2629	REF 2669
A3	REF 2612	REF 2652	Opaque OA1	REF 2630	REF 2670
A3.5	REF 2614	REF 2654	Opaque OA2	REF 2631	REF 2671
A4	REF 2615	REF 2655	Opaque OA3.5	REF 2633	REF 2673
B1	REF 2619	REF 2659	BL (Bleach)	REF 2635	REF 2675
B2	REF 2620	REF 2660	GA3.25	REF 2613	REF 2653
B3	REF 2621	REF 2661	GA5	REF 2616	REF 2656
C2	REF 2624	REF 2664			



Highly viscous, light-cured, flowable 83% filled Nano-hybrid composite

Indications

- Restoration of minimally invasive cavities of all Classes
- Restoration of small Class I cavities and for extended fissure sealing
- Restoration of Class II – V cavities including wedge-shaped defects and cervical caries
- Blocking out of undercuts
- Lining or coating of cavities
- Repair of restorations and veneers
- Cementing of attachment of translucent prostheses (e.g. all-ceramic crowns etc.)

Advantages

- Strong enough for occlusal surfaces of Class I & II restorations
- Superior physical properties through 83% filler content
- Wear resistance of a hybrid
- No undesirable runoff; increased stability in comparison to conventional flowables
- Simplified filling of undercuts, approximal boxes and paragingival areas
- Ideal for proximal and cervical areas
- Ideal for use with the GrandTEC glass fiber system
- Patented NDT^{®1} (Non-Dripping Technology) Syringes

The visible difference



Stability comparison on a horizontal plane

Flowability comparison on a vertical plane

Technical Data		
Filler Content	83% by weight	68% by volume
Compressive Strength	417 MPa	ISO 9917
Shrinkage	2.96 %	analogous, Watts, et al.
Depth of Cure	>2.5 mm/20 sec.	ISO 4049
Wear Rate	40 µm	3 body wear (ACTA 200,000)
Flexural Strength	159 MPa	ISO 4049
Flexural Modulus	11,850 MPa	ISO 4049
Radiopacity	260% AI	ISO 4049

Presentation

- REF 2680 set syringe 5 × 2 g (A1, A2, A3, A3.5, WO), shade guide, accessories
- REF 2148 intraoral tips type 46 – 100 pack
- REF 9301 1 Caps Dispenser
- refills (2 × 2 g syringes/16 × 0.25 g Caps), each:

shade	2 × 2 g syringes	16 × 0.25 g Caps	shade	2 × 2 g syringes
A1	REF 2684	REF 2704	C2	REF 2692
A2	REF 2685	REF 2705	Opaque OA2	REF 2693
A3	REF 2686	REF 2706	I (Incisal)	REF 2694
A3.5	REF 2687	REF 2707	BL (Bleach)	REF 2695
A4	REF 2688	REF 2708	WO (White Opaque)	REF 2696
B1	REF 2690	REF 2712	GA5	REF 2689
B2	REF 2691		Grandio [®] SO shade guide	REF 2607

¹US Patent No: 8,641,416 B2

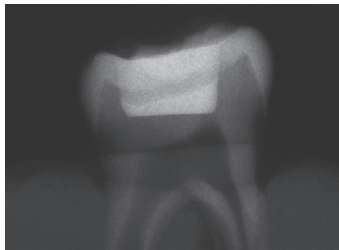


Light-cured, flowable 81% filled Nano-hybrid composite

Indications

- Restoration of minimally invasive cavities of all Classes
- Restorations of small Class I cavities and extended fissure sealing
- Restoration of Class II – V cavities including v-shaped defects and cervical caries
- Blocking out of undercuts
- Lining or coating of cavities
- Repair of fillings, veneers and temporary crowns & bridges
- Cementing of attachment of translucent prostheses (e.g. all-ceramic crowns etc.)

For easy diagnostics use White Opaque (WO) with a radiopacity of 500% AI



GrandioSO Flow WO is extremely radiopaque. With a radiopacity of 500% AI it provides a very sharp contrast to the dental hard tissue and other restorative materials. The white-opaque shade also comes in extremely useful for a further physical treatment of a filling. For example, the white material clearly marks the proximity of the pulp when used as a cavity liner. GrandioSO Flow WO is also highly suitable for masking discoloured areas. The use of the shade WO for colour effects in the fabrication of highly esthetic restorations rounds off its special range of applications.

Advantages

- Outstanding physical properties through 81% filler content
 - Strong enough for occlusal surfaces of Class I + II restorations
 - Wear resistance of a hybrid
 - Excellent color retention
- Excellent wettability
- Thixotropic material that will “flow on demand” without slumping
- Precise application with long bendable tip
- Natural esthetics and exact shade matching with Grandio
- Radiopaque
- Patented NDT^{®1} (Non-Dripping Technology) Syringes

Presentation

REF 2720 GrandioSO Flow kit, 5 × 2 g syringes (A1, A2, A3, A3.5, WO)
 REF 2146 intraoral tips type 41 – 100 pack
 REF 9301 1 Caps Dispenser
 refills (2 × 2 g syringes/16 × 0.25 g Caps), each:

Technical Data		
Filler content	81 % by weight	65 % by volume
Wear rate	48 µm	(ACTA method: 200,000 cycles)
Flexural strength	159 MPa	ISO 4049
Modulus of Elasticity	10,580 MPa	ISO 4049
Radiopacity	250 % AI	ISO 4049
Radiopacity WO	500 % AI	ISO 4049
Depth of cure	> 2.51 mm / 20 sec.	ISO 4049

shade	2 × 2 g syringe intraoral tips type 41	16 × 0.25 g Caps	shade	2 × 2 g syringe intraoral tips type 41
A1	REF 2722	REF 2742	B2	REF 2730
A2	REF 2723	REF 2743	C2	REF 2732
A3	REF 2724	REF 2744	I (Incisal)	REF 2733
A3.5	REF 2725	REF 2745	Opaque OA2	REF 2734
A4	REF 2726	REF 2746	BL (Bleach)	REF 2736
B1	REF 2729	REF 2749	WO (White Opaque)	REF 2737
			GA5	REF 2727

¹US Patent No: 8,641,416 B2



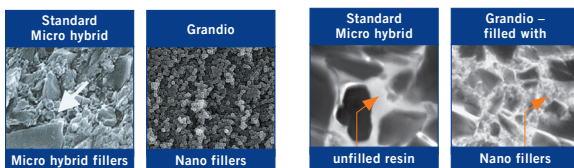
Universal light-cured 87% filled Nano-hybrid composite for anterior and posterior fillings of all classes

Indications

- Class I to V fillings
- Reconstruction of traumatically affected anteriors
- Facetting of discolored anteriors
- Correction of shape and shade to improve esthetic appearance
- Locking, splinting of loose anteriors
- Repair of veneers
- Core build-up under crowns
- Especially suitable for composite inlays

Advantages

- 87% filled by weight:**
 - Outstanding wear resistance
 - Enhanced color stability
 - Terrific handling characteristics (great sculptability, non-sticky consistency, no slumping)
- 30-50% less resin compared to standard micro hybrids:**
 - Low shrinkage of only 1.57%*
 - Excellent polishability
 - Improved translucency
 - Very high biocompatibility
- VOCO presents its individual cross contamination prevention packaging for capsules



Presentation	
REF 1800	Grandio syringe kit, 5 × 4 g syringes (A1, A2, A3, A3.5, B2), shade guide
REF 1830	Grandio Caps kit, 50 × 0.25 g Caps (A1, A2, A3, A3.5, B2), shade guide
REF 1899	Grandio shade guide
REF 9301	1 Caps Dispenser
refills (1 × 4 g syringe/20 × 0.25 g Caps), each:	

Technical Data		NANO	MICRO
Filler content	87% by weight 71.4% by vol.	DIN 13922	
Shrinkage	1.57% by vol.	University of Manchester, GB	
Surface hardness (Micro Vickers-hardness)	285 MHV	University of Rostock, Germany	
Wear rate	14 µm	3 body wear (ACTA 200,000)	
Depth of cure	3 mm/20 sec.	ISO 4049	
Radiopacity	250% Al	ISO 4049	

shade	1 × 4 g syringe	20 × 0.25 g Caps	shade	1 × 4 g syringe	20 × 0.25 g Caps
A1	REF 1810	REF 1840	C2	REF 1817	REF 1847
A2	REF 1811	REF 1841	C3	REF 1818	REF 1848
A3	REF 1812	REF 1842	D2	REF 1825	REF 1855
A3.5	REF 1813	REF 1843	D3	REF 1819	REF 1849
A4	REF 1814	REF 1844	I (Incisal)	REF 1820	REF 1850
B1	REF 1824	REF 1854	Opaque OA2	REF 1821	REF 1851
B2	REF 1815	REF 1845	Opaque OA3.5	REF 1822	REF 1852
B3	REF 1816	REF 1846	BL (Bleach)	REF 1823	REF 1853

*Source: Prof Dr. Watts, University of Manchester, England, 2002



Amaris

Hochleistungs- hochästhetisches Füllungsmaterial
highly aesthetic, light-curing restorative

MADE IN GERMANY

VOCO



Initial situation

Selecting of opaque shade

Applying opaque layer

Final esthetic restoration

REACTIVITY
Four Star Award

★★★★

THE DENTAL
ADVISOR

++++½

Pictures are a courtesy of Joyce L. Bassett, DDS, Scottsdale, AZ

Nano-reinforced simplified shade composite

Indications

- Esthetic restoration of Class III, IV and V cavities in anteriors
- Esthetic restoration of Class I, III and V cavities in posteriors
- Reconstruction of traumatically damaged anteriors
- Direct and indirect composite veneers, facing of discolored anteriors
- Correction of shade and shape for improved esthetics
- Repair of highly esthetic ceramic restorations
- Splinting, interlocking of teeth

Advantages

- Easy to polish for high luster gloss anterior
- Nano-reinforced pre-polymerized ISO fillers for low shrinkage and excellent wear for posterior
- Non-sticky consistency makes shaping easy
- Non-sensitive to ambient light guarantees at least 8 minutes working time
- Simply intuitive approach: become an artist in less than 10 minutes
- Natural fluorescence and high color stability
- Patented NDT®¹ Syringe technology

Presentation	
REF 1930	Amaris kit, 8 × 4 g syringes (O1, O2, O3, O4, O5, TL, TN, TD), 2 × 1.8 g syringes Amaris Flow (HT, HO), accessories
REF 1950	Amaris Caps kit, 16 × 0.25 g Caps (each O1, O2, O3, O4, O5, TL, TN, TD), 2 × 1.8 g syringes Amaris Flow (HT, HO), accessories
REF 1949	Amaris Caps starter kit, 4 × 0.25 g Caps (each O1, O2, O3, O4, O5), 2 × 1.8 g syringes Amaris Flow (HT, HO) accessories
REF 2144	intraoral tips type 44 – 100 pack
REF 1969	shade guide
REF 9301	1 Caps Dispenser
refills (1 × 4 g syringe / 16 × 0.25 g Caps), each:	

Technical Data	
Filler Degree	80% by weight
Volumetric Shrinkage	2.0%
ACTA Wear Rate (200,000 cycles)	45 µm
Flexural Strength (ISO 4049)	120 MPa
Compressive Strength	375 MPa
Diametral Tensile Strength (DTS)	51 MPa
Radiopacity (ISO 4049)	210% Al
Translucent shades (10 sec.)	> 2.5 mm
Opaque shades (40 sec.)	> 2.0 mm

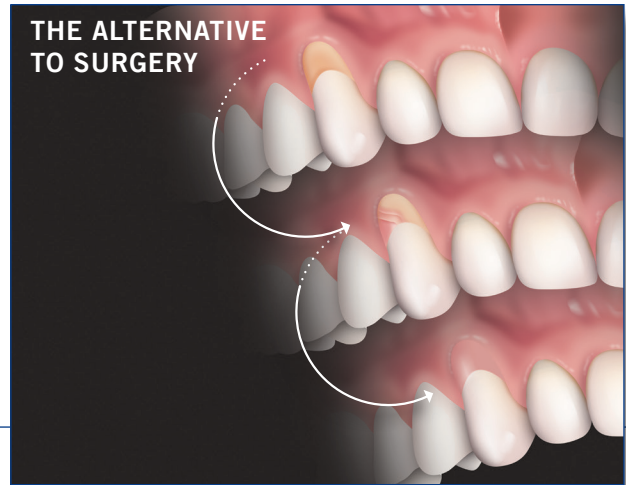
shade	1 × 4 g syringe	16 × 0.25 g Caps	shade	1 × 4 g syringe	16 × 0.25 g Caps
O1	REF 1933	REF 1953	O Bleach	REF 1938	REF 1958
O2	REF 1934	REF 1954	TL (Translucent Light)	REF 1940	REF 1960
O3	REF 1935	REF 1955	TN (Translucent Neutral)	REF 1941	REF 1961
O4	REF 1936	REF 1956	TD (Translucent Dark)	REF 1942	REF 1962
O5	REF 1937	REF 1957			
refills (2 × 1.8 g syringe), each:					
shade	2 × 1.8 g syringe		shade	2 × 1.8 g syringe	
HT (High Translucent)	REF 1945		HO (High Opaque)	REF 1946	

¹US Patent No: 8,641,416 B2

Amaris Gingiva



THE ALTERNATIVE TO SURGERY



Light-cured, gingiva colored restorative system

Indications

Class V restorations (cervical caries, root erosion, V-shaped defects) especially in cases of retreating gingiva e.g. as a result of periodontal disease

Covering of exposed discolored hypersensitive necks of teeth, especially in the visible anterior area

Highly esthetic correction of malpositions of teeth, for direct veneers, facings and corrections of the red-white esthetics

Advantages

- Highly esthetic chairside composite restorative which can be adapted to a large variety of gingiva colors
- One basic color and three mixable opaques can reproduce almost all gingiva colors
- Cervical areas exposed after gingiva recession and cervical V-shaped defects can be restored esthetically and functionally
- Gingiva colors for chairside use
- Advanced composite technique: Amaris® Know-How in gingiva colors for highly esthetic restorations beyond the gingiva margin
- Patented NDT^{®1} Syringe technology

Presentation

- REF 1970 Amaris Gingiva Set, 3 × 1.2 g opaque in the colors white, light and dark, 1 × 4 g basic color "nature", accessories
- REF 1971 Amaris Gingiva refill, 1 × 4 g color "nature"
- REF 2147 intraoral tips type 45 – 100 pack

¹US Patent No: 8,641,416 B2

Admira Fusion








Technical Data	
Filler Degree	84.0 % w/w
Shrinkage	1.25 Vol. %
Shrinkage stress	3.71 MPa analogous
3-Point-flexural strength	132 MPa
Modulus of elasticity	9,800 MPa
Compressive strength	307 MPa analogous
Edge stability	171.9 N
Radiopacity	305 % Al
Resistance to ambient light	198 s
Water uptake	13.4 µg / mm ³
Solubility in water	≤ 0.1 µg / mm ³
Thermal expansion coefficient α	40.3 *10 ⁻⁶ / K
Curing depth	2.71 mm / 20 s
Tensile bond strength on enamel (with Futurabond M+: Self-Etch mode)	30.04 MPa
Tensile bond strength on dentin (with Futurabond M+: Self-Etch mode)	23.82 MPa

Universal Nano-ORMOCER® restorative material

Indications

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

Presentation	
REF 2750	Syringe Kit, syringe 5 x 3 g (A1, A2, A3, A3.5, Admira Fusion x-tra), shade guide
REF 2752	Shade guide
REF 2780	Caps Kit, Caps 75 x 0.2 g (15 each of A1, A2, A3, A3.5, Admira Fusion x-tra), shade guide
REF 9301	1 Caps Dispenser

Advantages

- The world's first all ceramic-based direct universal restorative material
- Pure Silicate Technology: Fillers and matrix are based purely on silicon oxide
- No classic monomers for higher biocompatibility (no BISGMA, UDMA, TEGDMA, etc.)
- Nano-ORMOCER® technology reduces shrinkage and shrinkage stress by up to 50% compared to composites and leads to outstanding shade stability
- Non-sticky consistency for easy handling
- Perfect balance of translucency and opacity for natural looking restorations
- Easy to polish to a high shine luster
- High 84% fill rate for high wear resistance
- Compatible with all conventional bonding agents
- VOCO presents its individual cross contamination prevention packaging for capsules

shade	1 x 3 g syringe	15 x 0.2 g Caps	shade	1 x 3 g syringe	15 x 0.2 g Caps
A1	REF 2754	REF 2782	Opaque OA1	REF 2770	REF 2798
A2	REF 2755	REF 2783	Opaque OA2	REF 2771	REF 2799
A3	REF 2756	REF 2784	Opaque OA3	REF 2772	REF 2800
A3.5	REF 2758	REF 2786	Opaque OA3.5	REF 2773	REF 2801
A4	REF 2759	REF 2787	BL (Bleach)	REF 2775	REF 2803
B1	REF 2762	REF 2790	I (Incisal)	REF 2776	REF 2804
B2	REF 2763	REF 2791	Mixed*	n/a	REF 2806
B3	REF 2764	REF 2792	GA3.25	REF 2757	REF 2785
C2	REF 2766	REF 2794	GA5	REF 2760	REF 2788
D3	REF 2768	REF 2796			

*3 each of B1, C2, D3, BL, Incisal

Admira Fusion Flow








Technical Data	
Filler degree 74.0 % w/w	74.0 % w/w
Compressive strength	281 MPa analogous
Shrinkage	2.75 Vol. % analogous
Shrinkage stress	7.27 MPa analogous
Radiopacity	240 % Al
Resistance to ambient light	meets standard
Water uptake	12 µg / mm ³
Solubility in water	< 0.1 µg / mm ³
Modulus of elasticity	5,771 MPa
Curing depth	2.66 mm / 20 s
Surface hardness (Micro-Vickers)	86 MHV
Diametrical tensile strength	66 MPa

Flowable light-cured Nano-ORMOCER® direct 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
- Lining cavities

Advantages

- The world's first all ceramic-based direct flowable restorative material
- Pure Silicate Technology: Fillers and matrix are based purely on silicon oxide
- No classic monomers for higher biocompatibility (no BisGMA, UDMA, HEMA or TEGDMA etc.)
- Nano-ORMOCER® technology reduces shrinkage (2.75% by volume) and shrinkage stress to the level of universal composites
- Inert for outstanding shade stability
- High fill rate of 74% w/w for better wear
- Compatible with conventional adhesives
- Easy to polish to a high shine luster
- Excellent wettability
- Thixotropic material that will "flow on demand" without slumping
- Non-Dripping Syringe Technology (NDT®)
- Radiopaque (240% Al)
- 12 shades for esthetic restorations – perfectly matching the shade range of the packable version, Admira Fusion

Presentation

- REF 2816 Kit syringe 5 x 2 g (A1, A2, A3, A3.5, WO), shade guide, accessories
- REF 2146 intraoral tips type 41 – 100 pack

shade	2 x 2 g syringes	shade	2 x 2 g syringes
A1	REF 2818	B2	REF 2825
A2	REF 2819	C2	REF 2826
A3	REF 2820	I (Incisal)	REF 2828
A3.5	REF 2821	Opaque OA2	REF 2829
A4	REF 2822	BL (Bleach)	REF 2831
B1	REF 2824	WO (White Opaque)	REF 2832

¹US Patent No: 8,641,416 B2

Admira Fusion x-tra



Technical Data	
Filler degree	84.0 % w/w
Shrinkage	1.25 Vol. % analogous
Shrinkage stress	3.87 MPa analogous
3-Point-flexural strength	136 MPa
Compressive strength	307 MPa analogous
Modulus of elasticity	10,090 MPa
Curing depth	4.05 mm / 20 s
Radiopacity	296 % AI
Water uptake	13.4 µg / mm ³
Solubility in water	≤ 0.1 µg / mm ³

Nano-ORMOCER® bulk-fill restorative material

Indications

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

Advantages

- The world's first all ceramic-based bulk-fill restorative material
- Fast and high-quality – reliable curing of 4 mm increments
- Nano-ORMOCER® technology reduces shrinkage and shrinkage stress by up to 50% compared to bulk-fill composites and leads to outstanding shade stability
- Excellent handling, simple high-luster polishing procedure coupled with high surface hardness guarantee first-class long-term results
- High 84% fill rate for high wear resistance
- Universal shade with chameleon effect
- Compatible with all conventional bonding agents
- VOCO presents its individual cross contamination prevention packaging for capsules

Presentation

- REF 2810 Syringe 3 g – universal
- REF 2811 Caps 15 x 0.2 g – universal
- REF 9301 1 Caps Dispenser

Admira Fusion x-base



Technical Data

3-Point flexural strength	104 MPa
Compressive strength	256 MPa analogous
Modulus of elasticity	5,698 MPa
Polymerization shrinkage	2.5 % v/v analogous
Radiopacity	250 % Al
Water absorption	16.36 µg/mm ³
Water solubility	<0.1 µg/mm ³
Filler content	72.0 % w/w
Depth of curing	4.49 mm/20 s
Thermal expansion coefficient	54.7·10 ⁻⁶ ·K ⁻¹

Nano-ORMOCER® flowable base restorative material

Indications

Base restorative in Class I and II fillings
 As a base/liner for Class I and II fillings
 Small, non occlusion-bearing Class I fillings
 Class III and V fillings
 Extended fissure sealing
 Blockout of undercuts
 Repair of small enamel defects
 Repair small defects in esthetic indirect restorations
 Repair of provisional C&B materials
 Core build-up

Advantages

- All ceramic-based nano-ORMOCER® Technology
- 4 mm depth of cure for ease and speed
- High fill rate of 72% w/w for better wear
- Extremely low polymerization shrinkage (2.5% by volume)
- Particularly low shrinkage stress with optimal marginal integrity
- Highly biocompatible and extremely color-stable
- Ideal flowability for excellent adaptation
- Outstanding handling, even in difficult-to-access areas
- Available in the patented NDT®¹ syringe
- Compatible with all conventional adhesives
- Compatible with all conventional resin-based and ORMOCER®-based restorative materials

Presentation

REF 2812 Syringe 2 × 2 g universal, accessories
 REF 2148 intraoral tips type 46 – 100 pack

¹US Patent No: 8,641,416 B2



Fast bulk-fill packable posterior composite

Indications

Restorations Class I and II

Core build-up

Technical Data	
Volumetric Shrinkage	1.7 %
Surface Hardness	142 MHV
Wear (ACTA)	43 µm
Flexural Strength	142 MPa
Radiopacity	330 % Al
Filler Content	86 % by weight

Advantages

- x-tra fast**
 - 4 mm cure in 10 sec
 - Use with Futurabond NR/DC/U *SingleDose* to bond, fill and cure 4 mm in less than 60 sec.
- x-tra durable**
 - Low shrinkage of 1.7 % through multi-hybrid filler technology
 - 86% filled by weight for great wear resistance
- x-tra easy**
 - One universal shade fits all. High translucency provides excellent chameleon effect for good esthetics
 - Highly radiopaque (330 % Al)
 - Perfect for fast core build-ups
- x-tra safe**
 - VOCO presents its individual cross contamination prevention packaging for capsules

Clinical Case



Source: Dr. Ulrich Sachse, Kiel

Presentation

- REF 1740 Pack 1 × 5 g syringe, shade universal
- REF 1741 Pack 20 × 0.25 g caps, shade universal
- REF 9301 1 Caps Dispenser



Fast bulk-fill flowable posterior composite

Indications

- Base for Class I and II cavities
- Cavity liner under direct restorative materials in Class I and II cavities
- Small, non-occlusal stress-bearing Class I restorations according to minimally invasive filling therapy
- Class III and V restorations
- Extended fissure sealing
- Undercut blockout
- Repair of small enamel defects
- Repair of small defects in aesthetic indirect restorations
- Repair of temporary C&B materials
- Core build-up

Advantages

- 4 mm cure in 10 sec saves time*
- Low shrinkage stress allows bulk-fill speed
- High strength makes it suitable for open and closed sandwich technique
- Smart self-leveling properties for excellent wall adaptation without slumping out of maxillary restorations
- High radiopacity (350% Al) for easy x-ray identification
- Available in patented non-dripping NDT^{®1} syringes or unit dose caps with extra long bendable needle tip
- Available in shades A2 and Universal

*Universal shade

Technical Data	
Filler Content	75% by weight
Shrinkage Stress	5.93 MPa
Volumetric Shrinkage	2.54%
Surface Hardness	100 MHV
Wear (ACTA)	46.1 µm
Flexural Strength after TC	141 MPa
Radiopacity	350% Al

Presentation

- REF 1790 Pack 2 × 2 g Syringe, shade Universal
- REF 1791 Pack 2 × 2 g Syringe, shade A2
- REF 1794 Pack 16 × 0.25 g Caps, shade Universal
- REF 1795 Pack 16 × 0.25 g Caps, shade A2
- REF 2148 intraoral tips type 46 – 100 pack
- REF 9301 1 Caps Dispenser

¹US Patent No: 8,641,416 B2

Twinky Star



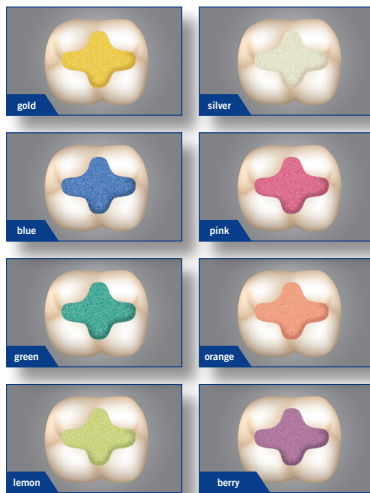
Light-cured colored compomer filling material with glitter effect for deciduous teeth

Indications

Filling of deciduous teeth

Advantages

- 8 attractive colors
- Fast and easy direct application
- Excellent polishability
- Color guide with original material



Presentation

REF 1680 kit 40 × 0.25 g Caps in eight different colors, color guide
REF 9301 1 Caps Dispenser

refill pack 25 × 0.25 g Caps each:

REF 1681 shade "Gold"	REF 1685 shade "Green"
REF 1682 shade "Silver"	REF 1686 shade "Orange"
REF 1683 shade "Blue"	REF 1687 shade "Lemon"
REF 1684 shade "Pink"	REF 1688 shade "Berry"
	REF 1689 Color Guide

Technical Data

Transverse strength	110 MPa	(ISO 4049)
Compressive strength	316 MPa	(ISO 9917)
Wear	14.6 µm	(ACTA 250,000 cycles)
Filler by weight	77.8%	(DIN 13922)
Polymerization Shrinkage	2.00 vol %	

Caps Warmer



Preheating device for composite caps

Indications

Device for warming composite caps

Advantages

- Composite warming increases the viscosity of a composite making the application easier
- Warms 2 finishing instruments, making it easier to sculpt the composite
- Holds 4 spare composite caps
- 3 heat levels for different viscosities
- No decrease of physical properties of VOCO materials

Presentation

REF 9001 Caps Warmer

Celalux 3



High intensity, light-weight, cordless LED curing light

Indications

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

Advantages

- Only 2.5 oz weight – more user-friendly
- Vibration after 10 and 20 seconds – no more annoying beeps make it more patient friendly
- High light intensity at 1,300 mW/cm² – ensures high depth of cure
- Wavelength of 450-480 nm wavelength – allows curing of virtually all modern materials
- Includes spare battery to eliminate unnecessary down time

Technical Data

Wavelength range	450–480 nm
Light intensity (output)	1,300 mW/cm ²
Total Operation Time	> 45 cycles of 20 sec. cures w/ full charged battery
Operating voltage	100-240 V AC 50/60 Hz
Handpiece length	∅ 12.6 mm x L 210 mm
Handpiece weight	70 g (incl. device base and light guide)

Presentation

- REF 9090 Celalux 3 (handpiece, battery charger, power cord with interchangeable main adapters, 2 lithium polymer batteries, 8 mm light guide, rubber shield, operating instructions)
- REF 9091 Light guide 8 mm, autoclavable
- REF 9092 Device base (Battery)
- REF 9093 Rubber shield, 5 pcs.



One step diamond polisher for pre-polishing and high gloss polishing of resin-based restoratives

Indications

Pre-polishing and high gloss polishing of finished composite restorations

Advantages

- Pre-polish to high gloss with one polisher
- Designed and precisely manufactured for easy insertion into your contra-angle handpiece
- Five diamond-impregnated silicone polishers to meet all your resin-based restorative polishing needs
- Use wet or dry; no polishing paste needed
- Autoclavable



Presentation

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



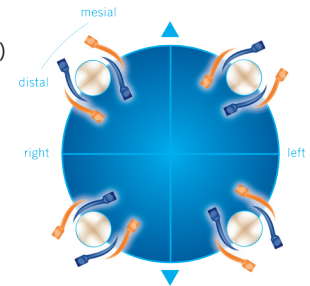
3D shaped anatomical curved wedges for use with matrices in restorative techniques

Indications

Auxiliary device for restorative therapy using matrices of all types

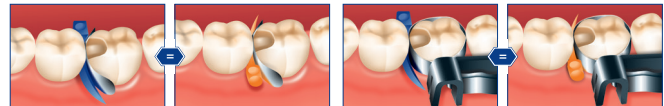
Advantages

- The 3D design allows the wedges to follow the contour of the tooth
- Reduces tissue irritation and post operative discomfort
- Assists the adaptation of most commonly used matrix bands for a more precise and faster finishing
- Easily inserted and removed with cotton pliers
- Available in 4 sizes (small, medium, large and extra large) in clockwise (orange) and counter-clockwise (blue) circular blister packs
- Made of biocompatible plastic: no moisture expansion, discoloration, or splintering



Use with a matrix strip:
Insertion of the wedge from oral (blue) or vestibular (orange).

Use with a Tofflemire matrix band:
Insertion of the wedge from oral (blue) or vestibular (orange).



Presentation

REF 2060	Curvy kit 6 x 52 pieces mixed (small, medium & large)
REF 2061	Curvy 6 x 52 pcs. small
REF 2062	Curvy 6 x 52 pcs. medium
REF 2063	Curvy 6 x 52 pcs. large
REF 2064	Curvy 6 x 52 pcs. extra large



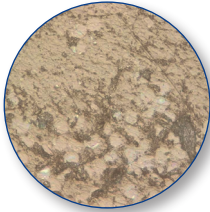
Resin-impregnated, light-cured glass fiber reinforced strands for use in the dental adhesive technique

Indications

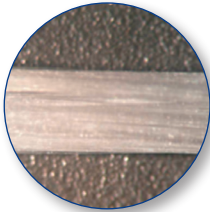
For the reinforcement and stabilization of teeth in the dental adhesive technique

Advantages

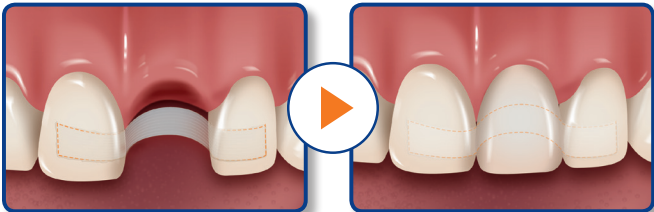
- Three times the reinforcement strength compared to polyethene materials
- The ideal companion for the stabilization of teeth after orthodontic or periodontal therapy
- The perfect reinforcement in the fabrication of crowns and bridges
- For the temporary treatment of missing teeth; can also be used in the osseointegration process of an implant and in trauma therapy
- Compatible with all light-curing bonds and composites in direct and indirect restorations
- Does not rebound, unravel or fall apart when cut or adapted
- Safe and biocompatible
- No special gloves or tools needed



The adjacent photo shows a section from a GrandTEC glass fiber, bonded with Grandio Flow. The strong cohesion between the impregnated glass fiber and the flow composite are impressively documented here. The E modulus of the test specimen achieved a value of more than 13 MPa; the transverse strength is 5 x higher than with composites without the additional use of GrandTec glass fiber.



The adjacent enlargement shows the homogeneous progression of the densely packed glass fibers with GrandTEC.



Technical Data		
3-point Flexural Strength (2 x 2) (in combination with Grandio Flow)	655 MPa	analogous ISO 4049
Modulus of Elasticity (2 x 2) (in combination with Grandio Flow)	13,600 MPa	derived from flexural strength test

Presentation
REF 1168 5 glass fiber strands 55 mm each

Restoratives (Glass Ionomer Materials)

Page	Light-cured glass ionomer restorative materials	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.]
12	Ionoseal resin modified glass ionomer base/liner					•	•				light-curing: 20 s
35	Ionolux resin modified glass ionomer restorative material	• ³		•	•	•		•	•	> 3	light-curing: 20 s
Light-cured glass ionomer restorative materials											
36	Ionostar Plus glass ionomer restorative material	• ^{1,2}	• ²	•	•	•	•	•	•	1	2
37	Ionostar Molar glass ionomer restorative material	• ^{1,2}	• ²	•	•	•		•	•	1.5	3-4

¹ non occlusion-bearing

² semi-permanent

³ small fillings

An overview of our composite restorative materials can be found on page 17.



Light-cured resin modified glass ionomer restorative material

Indications

Class III and V restorations, primarily cervical fillings and root caries

Restoration of deciduous teeth

Small Class I restorations

Temporary restorations

Core build-ups

Linings

Advantages

- Composite-like esthetics
- Light-curing for fast finish
- Immediately packable after application
- Does not stick to the instrument, easy to shape
- Excellent translucency for better esthetic results
- High fluoride release minimizes secondary caries
- Highly radiopaque
- No dentin conditioner or adhesive needed

Presentation

REF 2115 Kit application capsule 50 pcs. (10 × A1, 30 × A2, 10 × 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 Bulk Pack: Application capsule 150 pcs. A2

REF 2123 Bulk Pack: Application capsule 150 pcs. A3
 REF 2331 1 AC Applicator Type 1
 REF 2334 1 AC Applicator Type 2

IonoStar Plus



Fast-setting glass ionomer restorative material

Indications

Restorations of non-occlusal 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

- Fast set time saves valuable chair time
- Does not stick to instrument for ease of application
- Two (2) stage consistency for easy adaptation yet still packable
- Perfect wetting behavior for excellent marginal adaptation
- High translucency for better esthetic results
- Tooth-like fluorescence for better esthetic results
- Excellent physical properties support long-lasting restorations
- High fluoride release minimizes secondary caries

Presentation

REF 2540	Kit application capsules 50 pcs. (10 × A1, 30 × A2, 10 × A3)	REF 2331	1 AC Applicator Type 1
REF 2548	Application capsules 20 pcs. A1	REF 2334	1 AC Applicator Type 2
REF 2543	Application capsules 20 pcs. A2		
REF 2544	Application capsules 20 pcs. A3		
REF 2545	Application capsules 20 pcs. A3.5		
REF 2546	Bulk Pack: Application capsules 150 pcs. A2		
REF 2547	Bulk Pack: Application capsules 150 pcs. A3		



Glass ionomer restorative material

Indications

Restorations of non-occlusal 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

- Does not stick to instrument for ease of application
- Adjustable consistency so you can pick your preference
- Perfect wetting behavior for excellent marginal adaptation
- Immediately packable can be shaped immediately after application and remains stable
- High translucency enables better esthetic results
- Excellent physical properties support long-lasting restorations
- High fluoride release that minimizes secondary caries

Presentation

REF 2520 Kit application capsules 50 pcs. (10 × A1, 30 × A2, 10 × A3)
 REF 2522 Intro Kit application capsules 150 pcs. A2, AC Applicator type 1
 REF 2523 Intro Kit application capsules 150 pcs. A3, AC Applicator type 1
 REF 2532 Bulk Pack: Application capsule 150 pcs. A2
 REF 2533 Bulk Pack: Application capsule 150 pcs. A3
 REF 2524 Application capsule 20 pcs. A1
 REF 2525 Application capsule 20 pcs. A2
 REF 2526 Application capsule 20 pcs. A3
 REF 2331 1 AC Applicator Type 1
 REF 2334 1 AC Applicator Type 2



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

Presentation

REF 9050 GIC Mixer - 1 pc.



Light-cured varnish for sealing of glass ionomer fillings

Indications

Sealing and surface covering of glass ionomer restorations
 Protection against moisture and dehydration

Advantages

- Finish temporary and permanent restorations in seconds

Presentation
REF 1241 Pack 2 x 3 ml bottles



Nano-filled, light-cured liquid polish and surface sealant

Indications

Surface sealing of glass ionomer cements, provisional crowns and bridges and definitive composite restorations
 Protecting glass ionomer cement surfaces against the effects of moisture and dehydration immediately after placement
 Sealing glass ionomer cement liners/build-up restorations before taking impressions
 Sealing and protecting adhesive interfaces between restoration and tooth structure

Advantages

- Finish temporary and permanent restorations in seconds
- Natural gloss and tooth-like fluorescence
- Can be used on all types of direct and indirect restorations
- Nano-filled for better wear resistance
- Works with LED, PAC and halogen curing lights
- Protects against staining and discoloration
- Increase patient satisfaction
- Excellent protection of glass ionomers against moisture and dehydration

Presentation
REF 1016 bottle 5 ml, accessories
REF 2245 easy brushes – 50 pack

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



Time optimized VPS tray material

Indications

V-Posil Heavy Soft Fast is to be used as heavy body material for:

- one-step impression technique (simultaneous technique) using dual viscosities
- two-step impression technique using dual viscosities
- functional impressions

V-Posil Putty Fast is used as a 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

Advantages

- Up to 2-minutes of adjustable working time- gives control over the pace of the procedure, while the abbreviated 2-minutes thermo-activated set time saves time and improves patient comfort
- The rapid snap set reduces the time in the critical zone by up to 50% minimizing potential distortion due to human error resulting in less re-takes
- Heavy Soft Fast material offers an optimal viscosity to load the tray but remains soft enough after it sets for easy removal from the mouth
- Lab technicians will appreciate the post-set hydrophilicity (<math><6^\circ</math> contact angle) which allows for more accurate stone models and better fitting restorations
- Exceptional tear strength and elastic recovery ensures dimensional accuracy of the impression during and after removal

Presentation

V-Posil Heavy Soft Fast

REF 2565	Cartridge 1 × 380 ml, mixing tips type 30
REF 2566	Cartridge 2 × 380 ml
REF 2567	Cartridge 2 × 50 ml, mixing tips type 16
REF 2568	Cartridge 10 × 50 ml
REF 2196	mixing tips type 16 – 50 pack (50 ml)
REF 2203	mixing tips type 30 – 50 pack (380 ml)

V-Posil Putty Fast

REF 2561	Jar 2 × 450 ml
REF 2562	Jar 8 × 450 ml

V-Posil Light Fast • X-Light Fast • Mono Fast



Time optimized VPS impression system

Indications

V-Posil Light Fast & V-Posil X-Light Fast are 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

V-Posil Mono Fast is to be used as a medium bodied tray or syringeable impression material for:

- taking impressions over fixed/removable restorations and implants (i.e., transferring impression posts and bridge components)
- functional impressions
- fabricating crown and bridgework or inlays
- fabricating full or partial dentures
- reline impressions
- transferring root posts when fabricating posts and cores indirectly
- Multi-tray technique
- use in the simultaneous mixing technique as well as the putty-wash technique

Advantages

- Excellent flow without slumping
- Up to 2-minutes of adjustable working time- gives control over the pace of the procedure, while the abbreviated 2-minute thermo-activated set time saves time and improves patient comfort
- Setting times of the light body wash and heavy body tray materials are synchronized (match)
- The rapid snap set reduces the time in the critical zone by up to 50% minimizing potential distortion due to human error resulting in less re-takes
- Due to its low polyether-like contact angle of less than 10°, V-Posil's superior hydrophilicity displaces fluids (saliva, blood, etc.) creating an enhanced contact to the dental anatomy- yielding more precise impressions
- Lab technicians will appreciate the post-set hydrophilicity (< 6° contact angle) which allows for more accurate stone models and better fitting restorations
- Exceptional tear strength and elastic recovery ensures dimensional accuracy of the impression during and after removal

Presentation

V-Posil Light Fast

REF 2573 Cartridge 2 × 50 ml, mixing tips type 7
 REF 2574 Cartridge 10 × 50 ml
 REF 2186 mixing tips type 7 – 50 pack
 REF 2141 intraoral tips type 3 – 50 pack

V-Posil X-Light Fast

REF 2575 Cartridge 2 × 50 ml, mixing tips type 7
 REF 2576 Cartridge 10 × 50 ml
 REF 2186 mixing tips type 7 – 50 pack
 REF 2141 intraoral tips type 3 – 50 pack

V-Posil Mono Fast

REF 2569 Cartridge 1 × 380 ml, mixing tips type 30
 REF 2570 Cartridge 2 × 380 ml
 REF 2571 Cartridge 2 × 50 ml, mixing tips type 16
 REF 2572 Cartridge 10 × 50 ml

REF 2196 mixing tips type 16 – 50 pack (50 ml)
 REF 2203 mixing tips type 30 – 50 pack (380 ml)
 REF 2133 intraoral tips type 6 – 50 pack

V-Posil Adhesive



Tray adhesive for VPS impression materials

Indications

Bonding of VPS impression materials to metal and acrylic trays

Advantages

- High bond strength to VPS impression materials and trays
- Blue color for easy visual inspection while applying

Presentation

REF 2578 Bottle 10 ml

VOCO Dynamic Dispenser

NEW



Dynamic mixing device

Indications

Apparatus for automatic dosing and mixing of VOCO impression materials in the 5:1 cartridge

Advantages

- Homogeneous dynamic mixing of V-Posil components to ensure consistently high material quality
- Bubble-free dispensing
- Fill level display
- Two feed speeds
- Electronic residual detection

Presentation

REF 9140 Mixing device 110 V int. E1
REF 2203 mixing tips type 30 – 50 pack

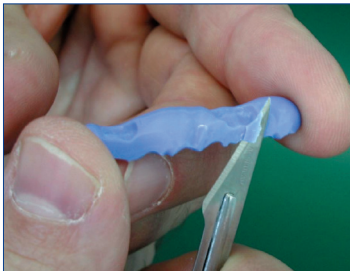
Registrado X-tra



Extra hard, fast and flexible bite registration A-silicone

Indications

- Bite registration
- Fixing of face bow registration
- Location material for intra-oral pin tracing template



Advantages

- Optimal rigidity for precise trimming
- Two-phase set: After 40 sec. the material is hard and dimensionable stable but still elastic for easy removal. Extreme final hardness is reached after 90 sec.
- Firm non-dripping consistency
- Thixotropic for easy application and no occlusion resistance
- Temperature-controlled setting for sufficient application time and short intraoral set time (only 30–40 sec.)
- Good contrast for easy identification
- Convenient trimming with scalpel, scissors or cutter
- Intraoral tips provide a flat ribbon of material for better coverage of the occlusal surface
- No distortion in articulation, especially in free-end situations

Presentation

- REF 2035 pack 2 × 50 ml 1:1 cartridges, mixing tips type 16, intraoral tips type 2
- REF 2036 clinic pack 8 × 50 ml cartridges, mixing tips type 16, intraoral tips type 2
- REF 2196 mixing tips type 16 – 50 pack
- REF 2140 intraoral tips type 2 – 50 pack



Transparent A-silicone fast-setting bite registration material

Indications

- Bite registration
- Registration key for intraoral support pin registration
- Fixation of X-ray balls
- Front and occlusal stamp
- Silicone key for composite fillings

Advantages

- High final end hardness and high translucency
- Guaranteed to remain on the occlusal surface with great consistency
- Timed controlled curing process – curing time is accelerated when the patient's mouth is closed
- Perfect for light-curing through the material
- Great dimensional stability (>99%)

Presentation

- REF 2037 pack 1 x 50 ml 1:1 cartridge, accessories
- REF 2158 Type 2 dispenser
- REF 2196 mixing tips type 16 – 50 pack



Scannable addition-curing silicone bite registration material

Indications

- Occlusal bite registration
- Fixation of facial arch registries
- Registration key for intraoral support pin registration

Advantages

- High final end hardness
- Short intraoral setting time
- Precise occlusion reproduction
- Scan without the use of powder
- Easily incorporated into analog or digital workflow

Presentation

- REF 2038 pack 1 x 50 ml 1:1 cartridge, accessories
- REF 2158 Type 2 dispenser
- REF 2196 mixing tips type 16 – 50 pack
- REF 2140 intraoral tips type 2 – 50 pack



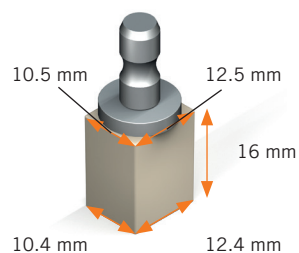
NEW

Nano-ceramic hybrid CAD/CAM block

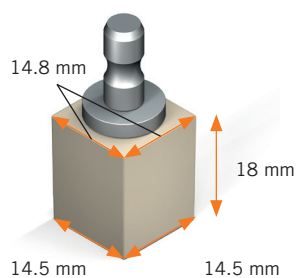
Indications

Crowns, inlays, onlays, veneers
Implant supported crowns

Gr. 12



Gr. 14L



Advantages

- 86 % filled for enhanced strength and excellent wear resistance
- Tooth-like elasticity and thermal expansion allows for thinner crown margins
- Natural esthetics with enhanced color stability and polish retention
- No firing required for true one appointment dentistry
- Easy intraoral polishability, characterization and repair

Technical Data

Biaxial Flexural strength	333 MPa
Vickers hardness (HV)	154.6
Two-body-wear (specimen)	59.9 µm
Two-body-wear (antagonist)	98.1 µm
Filler content	86 % by weight
Thermal expansion coefficient	16.0·10 ⁻⁶ K ⁻¹
Compressive strength	530 MPa analog
Modulus of elasticity	18.28 GPa analog
Water absorption	13.6 µg/mm ³ analog
Water solubility	< 0.1 µg/mm ³ analog
Radiopacity	308 % AI

Presentation

REF 6000 Set Blocks 2 × Gr. 12 (A2 LT, A2 HT), 3 × Gr. 14L (A1 LT, A2 LT, A2 HT), Bifix QM QuickMix syringe 10 g universal, Futurabond U *SingleDose* 5 pcs., Ceramic Bond bottle 5 ml, Dimanto set, accessories

shade	5 × Gr. 12 Low translucent (LT)	shade	5 × Gr. 12 High translucent (HT)	shade	5 × Gr. 14L Low translucent (LT)	shade	5 × Gr. 14L High translucent (HT)
A1 LT	REF 6003	A1 HT	REF 6012	A1 LT	REF 6018	A1 HT	REF 6027
A2 LT	REF 6004	A2 HT	REF 6013	A2 LT	REF 6019	A2 HT	REF 6028
A3 LT	REF 6005	A3 HT	REF 6014	A3 LT	REF 6020	A3 HT	REF 6029
A3.5 LT	REF 6006	A3.5 HT	REF 6015	A3.5 LT	REF 6021	A3.5 HT	REF 6030
B1 LT	REF 6007	Mixed (each 1x A1 LT, B1 LT, C2 LT, BL LT, A1 HT)	REF 6033	B1 LT	REF 6022	Mixed (each 1x A1 LT, B1 LT, C2 LT, BL LT, A1 HT)	REF 6034
C2 LT	REF 6008			C2 LT	REF 6023		
BL LT	REF 6009			BL LT	REF 6024		

Grandio disc

NEW



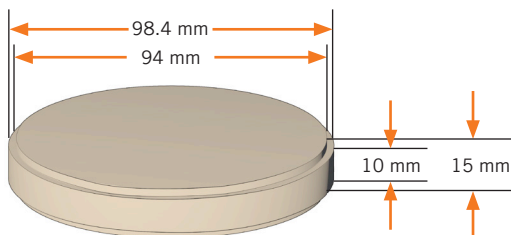
Nano-ceramic hybrid CAD/CAM disc

Indications

Crowns, inlays, onlays, veneers,
Implant supported crowns

Advantages

- 86 % filled for enhanced strength and excellent wear resistance
- Tooth-like elasticity and thermal expansion allows for thinner crown margins
- Natural esthetics with enhanced color stability and polish retention
- No firing required for true one appointment dentistry
- Easy intraoral polishability, characterization and repair



Technical Data	
Biaxial Flexural strength	333 MPa
Vickers hardness (HV)	154.6
Two-body-wear (specimen)	59.9 µm
Two-body-wear (antagonist)	98.1 µm
Filler content	86 % by weight
Thermal expansion coefficient	16.0·10 ⁻⁶ K ⁻¹
Compressive strength	530 MPa analog
Modulus of elasticity	18.28 GPa analog
Water absorption	13.6 µg/mm ³ analog
Water solubility	< 0.1 µg/mm ³ analog
Radiopacity	308 % Al

shade	Low translucent (LT) Ø 98.4 mm, 15 mm	shade	High translucent (HT) Ø 98.4 mm, 15 mm
A1 LT	REF 6050	A1 HT	REF 6057
A2 LT	REF 6051	A2 HT	REF 6058
A3 LT	REF 6052	A3 HT	REF 6059
A3.5 LT	REF 6053	A3.5 HT	REF 6060

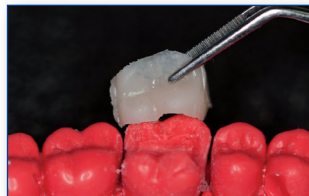
GrandioSO Inlay System



Chairside fabrication of indirect composite inlays

Indications

One office visit composite inlay system



Advantages

- Complete set for chairside fabrication of 15 composite inlays
 - full added value retained in the practice, no laboratory involvement
 - less expensive than CAD/CAM fabricated inlay
- Highest quality, perfectly coordinated components
 - quick and simple fabrication of models
 - the premium composite GrandioSO guarantees durability and aesthetics
 - Futurabond DC and Bifix QM for secure bonding and luting
- Simple and efficient method
 - easy and convenient to fabricate, even for large multi-surface restorations
 - fabrication of a row of inlays for treatment of neighboring teeth
 - creation of approximal contacts without having to use the time-consuming and expensive matrix technique
 - perfect occlusal anatomy - modeled extra-orally
 - stress-free fabrication of tooth-color and durable restorations, even in patients who are reluctant to comply or non-compliant

Presentation

- REF 2642 Kit-Cartridge 3 × 50 ml die silicone, 15 × 0.25 g GrandioSO Caps (5 each A1, A2, A3), 15 Futurabond DC *SingleDose*, 10 g QuickMix syringe Bifix QM universal, Dimanto set (one each of small point, large point, small cup, large cup, lens), accessories
- REF 1186 Die silicone – cartridge 2 × 50 ml, mixing tips type 20
- REF 2202 mixing tips type 20 (Die Silicone) – 50 pack
- REF 2191 mixing tips type 11 (Bifix QM) – 50 pack



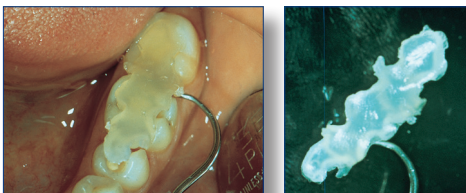
Light-cured provisional filling material in caps or syringes Light-cured, flowable provisional filling material in syringes

Indications

All kinds of temporary fillings, temporary protection for inlay and onlay technique

Advantages

- Can be easily removed in one piece
- Easy handling
- Remains flexible even after curing
- Excellent cavity sealing
- Transparent, no discoloration
- Does not stick to instrument
- No material waste
- Time saving – no handmixing required



Technical Data	
Depth of curing	11 mm
Surface hardness	90 Shore A
Diametrical tensile strength	27 MPa
Water solubility (14 days)	0.46 %
Marginal seal behavior	0.5 VAS

Presentation	
REF 1284	pack 2 × 4 g syringes
REF 1285	tripack 3 × 4 g syringes
REF 1287	pack 25 × 0.25 g Caps
REF 9301	1 Caps Dispenser

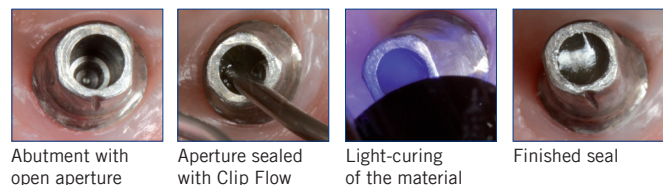
¹US Patent No: 8,641,416 B2

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 matrices during filling placement
- Temporary filling of cavities

Advantages

- Easy to place – easy to remove in one piece
- No damage to preparation boundaries
- Durable and saliva-proof
- Non-sticky
- Time-saving through light-curing
- Elastic
- Flowable
- NDT^{®1} syringe



Presentation	
REF 1282	Syringe 2 × 1.8 g, accessories
REF 2148	application tips type 46 – 100 pack



Medium retention non-eugenol temporary cement with calcium hydroxide in syringes, cartridges or tubes

Indications

Temporary cementation of crowns and bridges

Advantages

- Calcium hydroxide reduces postoperative sensitivities and has an antimicrobial effect
- Good adhesion of temporaries
- Low film thickness for easy placement of temporary crowns & bridges for a perfect fit
- Peelable consistency for easy clean-up
- Highly economical direct application
- No eugenol allergies
- No inhibition of curing reaction of resin-based filling or cementing materials or glass ionomer cements

QuickMix syringe advantages

- New quick and easy to use delivery system
- No hand mixing: no air bubbles and a predictable homogenous mix every time
- No mess, no hardened tubes
- 50% less waste in the mixing tips when compared to hand mixing waste
- Small tips have 80% less waste than traditional cartridge systems

Presentation

REF 1074 pack 5 ml QuickMix syringe, mixing tips type 10
 REF 2189 mixing tips type 10 – 50 pack
 REF 1076 pack 2 x 65 g cartridges, 40 mixing tips type 6
 REF 2185 mixing tips type 6 – 50 pack
 REF 1075 pack 25 g base, 25 g catalyst in tubes



Strong retention non-eugenol temporary cement with calcium hydroxide

Indications

Temporary cementation of provisional restorations

(crowns, bridges, inlays and onlays)

Temporary cementation of definitive restorations

(crowns, bridges, inlays and onlays)

Temporary obturation of small single-surface cavities

Advantages

- Increased strength for more retention and secure adhesion
- Calcium hydroxide reduces postoperative sensitivities and has an antimicrobial effect
- Low film thickness for easy placement of temporary crowns & bridges for a perfect fit
- Peelable consistency for easy clean-up
- Highly economical direct application
- No eugenol allergies
- No inhibition of curing reaction of resin-based filling or cementing materials or glass ionomer cements
- High level of radiopacity

Presentation

REF 1098 QuickMix syringe 5 ml, accessories
 REF 2189 mixing tips type 10 – 50 pack



Dual-cured, transparent, composite-based temporary cement material

Indications

Temporary cementation of provisional restorations

Advantages

- White translucent shade – high esthetics
- Dual-cured – fast setting and “tack cure” for excess removal
- Strong adhesion – secures long-term temporaries
- Easy excess removal in light-and chemical-cure mode – fast working
- 5 µm film thickness – no “jack-ups” of temporaries
- Short mixing tip – less waste

Presentation

REF 1055 QuickMix syringe 5 ml universal, accessories
 REF 2188 mixing tips type 9 – 50 pack



Nano-filled, quick setting, strong temporary crown & bridge material with “Wipe & Go” Technology

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

Technical Data	
Working time	30–50 sec.
Intraoral Setting Time	40–70 sec.
E-modulus	1,900 MPa
Diametral Tensile Strength	48 MPa
Compressive Strength	509 MPa
3-point Flexural Strength (24 hrs, 37°C stored in Water)	113 MPa
Fluorescence	Yes
Setting temperature	max. 3.6°F above mouth temp.

Advantages

- **1. Fast and Economical**
 - No more polishing – just wipe with alcohol for a brilliant gloss
 - Only 45 sec. intra-oral setting time
 - Small mixing tips and no more “bleeding” before changing mixing tips yields at least 20 more units per cartridge compared to 10:1 and 4:1 products
- **2. Durable**
 - High fracture resistance and compressive strength
 - Suited for long-span bridges and long-term provisionals
- **3. Aesthetic**
 - Natural gloss and tooth-like fluorescence
 - Color stable for long-term use
 - Available in eight VITA matching shades

Presentation			
REF 2500 Intro Kit 50 ml Cartridge, shade A2, dispenser type 2, mixing tips type 6			
REF 2501 Intro Kit 50 ml Cartridge, shade A3, dispenser type 2, mixing tips type 6			
shade	Cartridge 50 ml, mixing tips type 6	shade	Cartridge 50 ml, mixing tips type 6
A1	REF 2503	B1	REF 2507
A2	REF 2504	B3	REF 2508
A3	REF 2505	C2	REF 2509
A3.5	REF 2506	Bleach (BL)	REF 2510
REF 2512 Cartridge 5 × 50 ml, shade A2, mixing tips type 6			
REF 2513 Cartridge 5 × 50 ml, shade A3, mixing tips type 6			
REF 2185 mixing tips type 6 (Cartridge) – 50 pack			
REF 2189 mixing tips type 10 (QM syringe) – 50 pack			
Structur 3 QuickMix syringe			
shade	QuickMix syringe 5 ml, mixing tips type 10	shade	QuickMix syringe 5 ml, mixing tips type 10
A1	REF 2515	A3	REF 2517
A2	REF 2516	B1	REF 2518



Highly durable, fast setting BIS-Acrylic temporary crown and bridge material with added flexural strength

Indications

Temporary crowns, bridges, inlays and onlays

Technical Data	
Working time	30 sec.
Setting time in mouth	30-45 sec.
Transverse strength (10 min.)	100 MPa
Transverse strength (7 days water storage)	119 MPa
Flexural module	2,500 MPa
Compressive strength	450 MPa
Diametral tensile strength	48 MPa
Setting temperature	max. 3.6 °F above mouth temp.
Fluorescence	yes

Advantages

- Ceramic-like esthetics
 - brilliant gloss
 - natural fluorescence
- Hard as enamel
 - high fracture resistance, compressive and tensile strengths – ideal for long-span bridges
- Easy handling
 - fast and easy trimming and polishing
 - minimal inhibition layer
 - 1:1 standard dispenser
 - fast intraoral setting time (30-45 sec.)

Presentation

REF 1710 intro kit 75 g cartridge, shade A3, dispenser type 2, mixing tips type 6

shade	pack 75 g safety cartridge, mixing tips type 6	shade	pack 75 g safety cartridge, mixing tips type 6
A1	REF 1712	B1	REF 1718
A2	REF 1713	B3	REF 1715
A3	REF 1714	Bleach (BL)	REF 1716
A3.5	REF 1717		

REF 1719 bulk pack 5 x 75 g cartridges, shade A3, mixing tips type 6
 REF 2185 mixing tips type 6 (Cartridge) – 50 pack



Initial situation



Structur Premium temporary

Source: Images are a courtesy of Dr. Frank Milnar



Fast setting temporary BIS-Acrylic crown and bridge material in 1:1 cartridge and QuickMix syringe

Indications

Temporary crowns, bridges, inlays and onlays

Advantages

- Fast setting time: less than 1 minute in the mouth
- Strong and wear-resistant
- Better esthetics: available in 8 popular shades
- Long-term color stability and composite-like polishability
- Quick and easy automix application: ideal bubble-free consistency
- Economical due to smallest possible tips: up to 40% less waste
- MMA-free: no unpleasant taste or smell
- Minimal shrinkage
- Low exothermic setting temperature

Presentation

REF 1499 intro kit 75 g cartridge shade A2, dispenser type 2, mixing tips type 6
 REF 1478 intro kit 75 g cartridge shade A3, dispenser type 2, mixing tips type 6
 REF 1492 bulk pack 5 × 75 g cartridges shade A2, mixing tips type 6
 REF 1491 bulk pack 5 × 75 g cartridges shade A3, mixing tips type 6
 REF 2185 mixing tips type 6 – 50 pack
 REF 2189 mixing tips type 10 – 50 pack

shade	pack 75 g safety cartridge, mixing tips type 6	shade	pack 75 g safety cartridge, mixing tips type 6
A1	REF 1479	B1	REF 1482
A2	REF 1480	B3	REF 1483
A3	REF 1481	Bleach (BL)	REF 1485
A3.5	REF 1490	C2	REF 1486

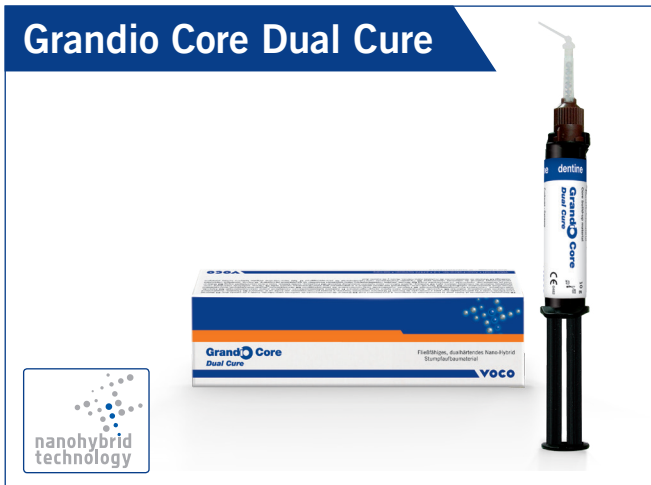
Structur 2 QuickMix syringe

shade	QuickMix syringe 8 g, mixing tips type 10	shade	QuickMix syringe 8 g, mixing tips type 10
A1	REF 1309	A3	REF 1311
A2	REF 1310	B1	REF 1312

Core-Build Up/Cements

Page		presentation	inlays / onlays	crowns	bridges	Maryland bridges	veneers	ceramic ²	metal	posts	attachments ⁴	orthodontic bands	steel crowns
Page			ceramic ²	composite	metal	ceramic ²	composite	metal	ceramic ²	metal	carbon fibre	glassfibre	quartz fibre
	type												
Core-Build Up/ Cement Material													
54	Grandio Core Dual Cure	resin-based											
		QuickMix syringe											
55	Rebilda DC	resin-based											
		QuickMix cartridge											
58	Quick Up	resin-based											
		QuickMix syringe											
59	Bifix QM	resin-based											
		QuickMix syringe											
60	Bifix SE	resin-based											
		QuickMix syringe											
61	Meron	GIC ¹											
		capsule / handmix											
61	Meron Plus	resin-reinforced GIC ¹											
		capsule / handmix											
62	Meron Plus QM	resin-reinforced GIC ¹											
		QuickMix syringe											

¹ glass ionomer cement
² silicate / zirconium dioxide / aluminium oxide ceramics
³ ball, Locator®, telescope retention elements, as well as other holding elements



Grandio's Nano-technology for core build-ups

Indications

Adhesive core build-up on vital and non-vital teeth
Cementing of pins and posts

Advantages

- Dentin-like hardness – eliminates ditching
- Stackable consistency
- Nano particles for tooth-like strength and flexibility
- 77% filled for long-lasting success rates
- High radiopacity (365% Al) for easy x-ray identification
- Suitable as a post cement with long endo tips

Presentation	
REF 1910	10 g QuickMix syringe Dentin
REF 1911	10 g QuickMix syringe Blue
REF 1912	10 g QuickMix syringe White
REF 2191	mixing tips type 11 - 50 pack
REF 2142	intraoral tips type 4 - 50 pack



Core build-up forms

Indications

Molds for core build-up in cases of severely disrupted teeth with or without the use of an endodontic post

Advantages

- Simple to use with all composite and core build-up materials
- Three sizes for ease of use and simplicity
- Translucent for photopolymerization
- Specially shaped for quick adaptation to the tooth
- Does not bond to standard composite materials
- Can be easily customized by cutting



Presentation	
REF 1407	20 pcs. small
REF 1408	20 pcs. medium
REF 1409	20 pcs. large



Dual-cured core build-up composite in automix delivery system

Indications

Adhesive core build-up on vital and non-vital teeth
 Cementing of pins and posts

Advantages

- Dual-cured: light-cure to accelerate finishing or simply allow Rebilda to self-cure to maximize working time
- Tooth-like surface hardness – cuts like dentin – eliminates ditching
- Low heat development even with large core volumes
- High adhesion with system bond – fewer parapulpal pins
- 3 shades: blue, white and dentin
- High radiopacity
- Fluoride release from both bond and core build-up material
- Curved intraoral tips assist with hard-to-reach areas

Technical Data	
Working time	2 min.
Setting time	2 min. (dentin shade)
Transverse strength (ISO 4049)	121 MPa
Shear bonding strength on dentin	22 MPa

Presentation

Cartridge

- REF 1395 intro kit 50 g cartridge Rebilda DC dentin shade, 8 ml Futurabond DC, mixing tips type 12, dispenser type 3, accessories
- REF 1396 pack 50 g cartridge Rebilda DC dentin shade, mixing tips type 12, intraoral tips type 3
- REF 1397 pack 50 g cartridge Rebilda DC blue shade, mixing tips type 12, intraoral tips type 3
- REF 1398 pack 50 g cartridge Rebilda DC white shade, mixing tips type 12, intraoral tips type 3
- REF 2192 mixing tips type 12 – 50 pack
- REF 2141 intraoral tips type 3 – 50 pack
- REF 2199 mixing tips type 19 - 30 pack

QuickMix Syringe

- REF 1402 intro kit 10 g QuickMix syringe Rebilda DC dentin shade, 8 ml Futurabond DC, mixing tips type 11, accessories
- REF 1403 pack 10 g QuickMix syringe Rebilda DC dentin shade, mixing tips type 11, intraoral tips type 4
- REF 1404 pack 10 g QuickMix syringe Rebilda DC blue shade, mixing tips type 11, intraoral tips type 4
- REF 1405 pack 10 g QuickMix syringe Rebilda DC white shade, mixing tips type 11, intraoral tips type 4
- REF 2191 mixing tips type 11 – 50 pack
- REF 2142 intraoral tips type 4 – 50 pack
- REF 2139 intraoral tips type 1 (endo tip) – 50 pack





Complete post & core system with fiber-reinforced resin posts

Indications

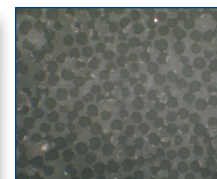
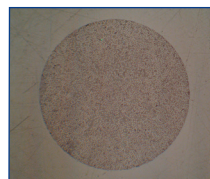
Endodontic post build-up for support and anchorage of coronal restoration in situations with insufficient tooth substance

Advantages

- Highly translucent for excellent esthetics
- High radiopacity (350 %Al)
- Dentin-like elasticity for gentle root treatment
- Dentin-like translucency for esthetic restorations
- High retention rate for strong bond
- Excellent light conduct and diffusion for use with dual-cured materials



Posts illustrations are not the actual size. Ø 1.0 mm is not included in the kit (REF 1770)



Cross-sections show even distribution of the glass fibers

Presentation

REF 1770 Intro Kit:
15 posts 3 drills: 5 posts each (Ø 1.2 mm, Ø 1.5 mm, Ø 2.0 mm), 1 drill each (Ø 1.2 mm, Ø 1.5 mm, Ø 2.0 mm)

REF 1782 Rebilda Post System Kit II:
5 posts each of (Ø 1.0 mm, Ø 1.2 mm, Ø 1.5 mm, Ø 2.0 mm), 1 drill each of (Ø 1.0 mm, Ø 1.2 mm, Ø 1.5 mm, Ø 2.0 mm), 2 reamer (Ø 0.7 mm), 5 ml Ceramic Bond, 20 Futurabond U SingleDose, 10 g QuickMix syringe Rebilda DC dentin, accessories



Refills (posts):

Refills (drills):

Rebilda Post 1.0, 5 Posts, Ø 1.0 mm	REF 1775	Rebilda Post 1.0, 1 Drill, Ø 1.0 mm	REF 1780
Rebilda Post 1.2, 5 Posts, Ø 1.2 mm	REF 1772	Rebilda Post 1.2, 1 Drill, Ø 1.2 mm	REF 1777
Rebilda Post 1.5, 5 Posts, Ø 1.5 mm	REF 1773	Rebilda Post 1.5, 1 Drill, Ø 1.5 mm	REF 1778
Rebilda Post 2.0, 5 Posts, Ø 2.0 mm	REF 1774	Rebilda Post 2.0, 1 Drill, Ø 2.0 mm	REF 1779
Ceramic Bond, 5 ml Bottle	REF 1106	3 x Rebilda Post Reamers Ø 0.7 mm	REF 1769

Rebilda® Post GT

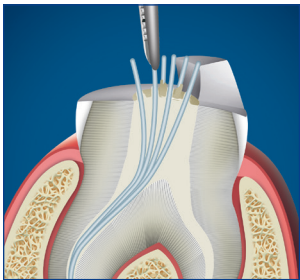
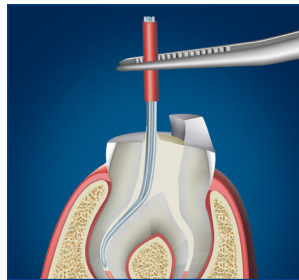
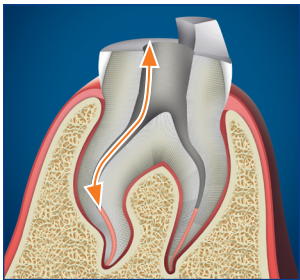


NEW

Bundled glass fiber-reinforced resin post

Indications

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



Advantages

- Innovative bundled fine posts enable easy placement within any root canal morphology
- Minimizes the need to mechanically prepare root canals preserving healthy tooth structure and saving valuable chair time
- Increases surface area within build-up restoration maximizing adhesion and retention values
- Optimal adaptation to all canal anatomies for better ease-of-use
- All materials in the set are perfectly coordinated to maximize the success of the restoration
- **Futurabond® U**
 - reliable self-curing
 - high bond strength without separate etching
- **Rebilda® DC**
 - Also suitable for post cementation
 - Cuts like dentin which minimizes ditching
 - Excellent physical properties enhances longevity
 - Low setting temperature

Presentation

Rebilda Post GT

REF 1973 5 x No. 4 (~ ø 0.8 mm)
 REF 1974 5 x No. 6 (~ ø 1.0 mm)
 REF 1975 5 x No. 9 (~ ø 1.2 mm)
 REF 1976 5 x No. 12 (~ ø 1.4 mm)

Rebilda Post GT - System

REF 1972 Kit 5 posts each of (~ ø 0.8 mm, ~ ø 1.0 mm, ~ ø 1.2 mm, ~ ø 1.4 mm), Ceramic Bond bottle 5 ml, Futurabond U *SingleDose* 20 pcs., Rebilda DC dentin QuickMix syringe 10 g, accessories



Tissue colored implant pick-up system with new Quick Up method

Indications

Self-cured composite cementation material for attachments, such as ball, Locator® and telescopic anchors in full and partial dentures

Re-attachment of secondary elements such as bar retainers in composite based dentures

Advantages

- Faster with Quick Up method: Work without vent holes and excess material removal; Under fill with 2.5 mins. fast setting, self-cured material; finish with light-cured component
- Direct pick-up results in more accuracy compared to indirect method
- Complete system with checking and block out silicone – Fit Test C & B
- Low heat, self-curing material avoids tissue irritations
- Tasteless and odorless
- High bond strength to acrylic denture base
- Allows pick-up of any attachment



Implant with fitted attachments



Prosthetic base with the recesses for the attachments already created



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



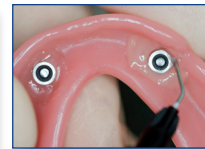
Checking of attachments for fitting accuracy with Fit Test C & B



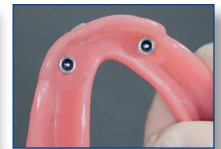
Blocking-out, covering of primary parts/gingiva with Fit Test C & B



Applying Quick Up from the QuickMix syringe



Applying Quick Up LC to correct deficits and superficial defects



Luted attachment in the prosthesis

Presentation

- REF 1625 Kit 7.5 g QuickMix syringe, 2 g syringe Quick Up LC, 4 ml Adhesive, 5 ml QuickMix syringe Fit Test C & B, accessories
- REF 1626 7.5 g Quick Up QuickMix syringe, type 10 mixing tips
- REF 1627 2 g syringe Quick Up LC, type 44 intraoral tips
- REF 1628 4 ml Quick Up Adhesive
- REF 2189 mixing tips type 10 – 50 pack
- REF 2144 intraoral tips type 44 – 100 pack



Dual-cured, radiopaque, resin-based adhesive cement system

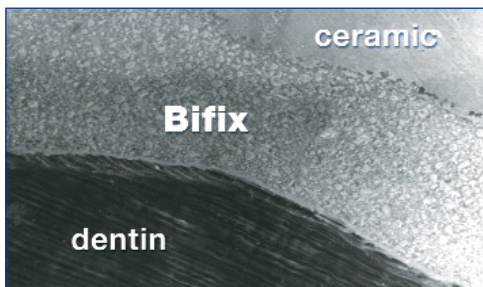
Indications

Adhesive cementation of:

- Inlays and onlays
- Crowns (full and partial)
- Veneers, facets
- Pins and posts
- Bridges and adhesive bridges (Maryland bridges)

Advantages

- Universal: for non-metal restorations (ceramic, also zirconium dioxide, and composite) as well as for metal restorations
- Dual-curing: light-curing permits determination of speed of work, and self-curing guarantees complete polymerization of the material
- Highest adhesion to dentin and enamel through the clinically proven dentin-enamel bond Futurabond DC. Excellent adhesion to metals is achieved by the special polyfunctional monomer structure of Bifix
- Durable cementation of ceramic pieces with Ceramic Bond



Excellent adhesion between Bifix and ceramic.

Presentation

- REF 1217 kit 10 g syringe universal, Futurabond DC 4 ml liquid 1, 4 ml liquid 2, 5 ml Ceramic Bond, accessories
- REF 1218 refill 10 g syringe universal
- REF 1219 refill 10 g syringe transparent
- REF 1759 refill 10 g syringe white-opaque
- REF 1106 refill 5 ml Ceramic Bond
- REF 1163 set Futurabond DC 4 ml liquid 1, 4 ml liquid 2
- REF 2191 mixing tips type 11 – 50 pack
- REF 2142 intraoral tips type 4 – 50 pack



Dual-cured, universal, self-adhesive resin cement

Indications

Cementation of:

Crowns

Bridges

Inlays and onlays

Endodontic posts made from ceramic, zirconium dioxide and metal

Advantages

- Ease of use. Gel-phase cleanup, no refrigeration, no hand mixing or trituration required
- High bond strength without an adhesive and high mechanical strength
- Low solubility for reliable cementation
- Compatibility with common materials. Ceramic and Zirconia incl. CAD/CAM materials, PFMs and metal restorations
- Efficient self-cure mode sets up completely without any light
- Low 10 µm film thickness cuts down on adjustment time
- Radiopaque for excellent identification under x-ray
- Endo-tips for easy root canal access in every pack

Presentation

REF 1784	Kit 3 × 5 g QuickMix syringes, shades U, T and WO, mixing tips type 14 and 15, type 1 intraoral tips
REF 1785	5 g QuickMix syringe, shade U (universal), mixing tips type 14 and 15, type 1 intraoral tips
REF 1786	5 g QuickMix syringe, shade T (transparent), mixing tips type 14 and 15, type 1 intraoral tips
REF 1787	5 g QuickMix syringe, shade WO (white-opaque), mixing tips type 14 and 15, type 1 intraoral tips
REF 2194	mixing tips type 14 – 50 pack
REF 2195	mixing tips type 15 – 50 pack
REF 2139	intraoral tips type 1 – 50 pack



One component coupling agent (Silane) in a bottle and *SingleDose*

Indications

Coupling agent for achieving optimal chemical adhesion between silicate or aluminum oxide ceramics (incl. zirconium dioxide) and composite materials

Advantages

- Provides optimal conditions for a permanent bond between the indirect restoration and the resin cement

SingleDose

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

Presentation

REF 1107	Ceramic Bond <i>SingleDose</i> – 50 pack
REF 1106	Bottle 5 ml



Meron:
Glass ionomer cement

Indications

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

Advantages

- Very good flow properties for good wetting behavior
- Low film thickness (15–20 µm) that saves occlusal adjustment time
- High translucency for better esthetic results with ceramics
- Easy excess removal – saves time
- High fluoride release
- High bond strength

Meron AC:
Glass Ionomer Cement in Direct-activation Application Capsules
Application Cap
– less waste – better consistency – less mess

Presentation	
Meron	
REF 1086	powder 35 g, liquid 15 ml
REF 1090	Eco pack powder 15 g, liquid 7 ml
Meron AC	
REF 1242	50 capsules
REF 2331	1 AC Applicator Type 1
REF 2334	1 AC Applicator Type 2



Meron Plus:
Resin modified glass ionomer cement

Indications

Cementation of crowns, bridges, inlays and onlays made from ceramic, zirconium and metal

Advantages

- Extremely thin film thickness (< 17 µm)
- Prolonged soft-elastic setting phase offers more time for convenient removal of excess
- Low setting temperature
- Excellent biocompatibility
- Excellent chemical-physical properties due to the VOCO glass ionomer technology

Meron Plus AC:
Glass Ionomer Cement in Direct-activation Application Capsules
Application Cap
– less waste – better consistency – less mess

Presentation	
Meron Plus	
REF 1731	powder 15 g
REF 1732	liquid 10 ml
Meron Plus AC	
REF 1736	50 application capsules
REF 1737	150 application capsules
REF 2331	1 AC Applicator Type 1
REF 2334	1 AC Applicator Type 2



Paste-to-Paste resin modified glass ionomer cement in a QuickMix syringe

Indications

Cementation of:

- Metal-based inlays, onlays, crowns and bridges
- High-strength (zirconium dioxide-based) all-ceramic crowns and bridges
- High-strength all-ceramic inlays
- Metal, ceramic and fiber posts

Advantages

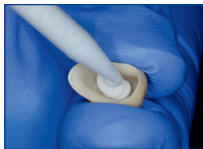
- 2 x's the bond strength to dentin vs. other leading brands
- Up to twice the adhesive values to Zirconium Dioxide than other leading brands
- Quick and easy clean-up of excess material with optional tack cure
- Low film thickness for a precise marginal fit
- Self-adhesive: secure and quick bonding without primer or conditioner
- QuickMix syringe for optimal application and precise mixing



Prepared tooth 23 with chamfer preparation to accommodate the crown



Zirconia crown on tooth 23 on the plaster model



Application of Meron Plus QM in the restoration



Insertion of the restoration



Short-term light-curing (tack curing)



Easy removal of excess material



Additional removal of excess material in the approximal areas using dental floss



Completed treatment

Presentation

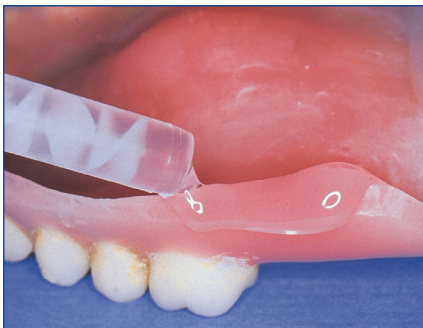
- REF 1727 QuickMix Syringe 8.5 g
- REF 1728 QuickMix Syringe 3 x 8.5 g
- REF 2189 mixing tips type 10 – 50 pack



A-silicone based permanent soft denture relining material in 1:1 cartridge system

Indications

- Permanent soft relining for total and partial dentures
- To relieve pressure from pressure spots
- To dam the palatal vibrating line
- In cases of flabby ridge and insufficient adhesion
- To cushion sharp-edged alveolar processes
- To support the healing process in implantology



Advantages

In-Office

- Complete chairside relining within minutes in one appointment
- Extremely high adhesion between denture and relining material with a special adhesive
- Biocompatible, tasteless and odorless
- Esthetic stable color, shade adaptation effect

Lab

- Fewer working steps than conventional cold-curing products
- Only 1 minute processing of adhesive and short time period in the pressure unit
- Relining can be repaired immediately after setting and up to 14 days after initial relining

Presentation

- REF 2041 kit 50 ml cartridge Ufi Gel SC, 10 ml adhesive, each 10 ml glazing base/catalyst, 10 mixing tips type 8, accessories
- REF 2040 refill 50 ml cartridge, 10 mixing tips type 8
- REF 2029 refill 10 ml Ufi Gel SC adhesive
- REF 2047 refill each 10 ml glazing base/catalyst
- REF 2187 mixing tips type 8 – 50 pack

Trimming disk:

- REF 2049 trimming discs – 10 pack



Direct hard denture relining material in a 1:1 cartridge based on composite technology

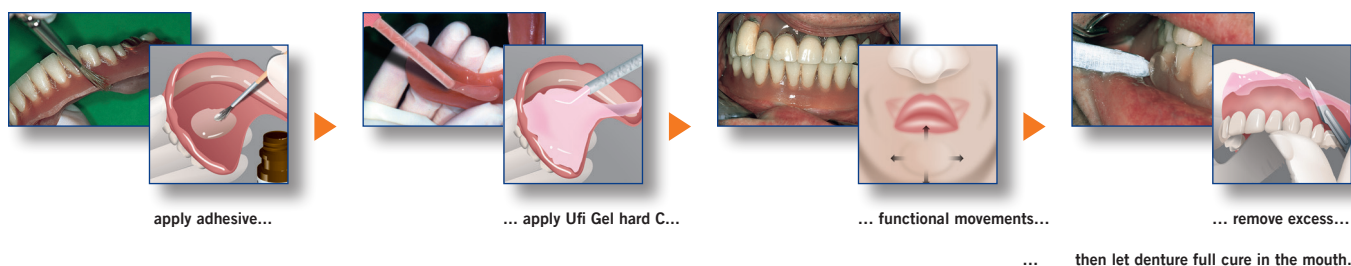
Indications

- Hard, permanent chairside relining
- Direct and indirect relining
- Total or partial relining
- External relinings (extended care living facility, homes for the disabled, hospitals)
- Extensions of denture margins
- Repairs and enlargements
- Adaptation layer by layer over years

Advantages

- Complete chairside hard relining in 10–15 minutes
- MMA-free
- Biocompatible with a neutral taste and smell
- Low exothermic temperature (98.6° F)
- Bubble-free automix application ensures a smooth surface
- Esthetic and color stable
- Achieves the same hardness, finishing and cleaning as laboratory-processed relines
- Easy and time saving working steps

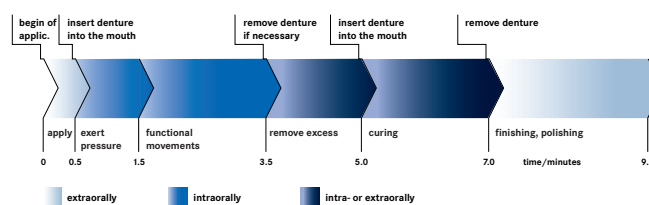
... as simple as an impression



Presentation

- REF 2215 kit cartridge 80 g, adhesive 10 ml, mixing tips type 8
- REF 2218 Intro kit cartridge 80 g, dispenser type 2, adhesive 10 ml, mixing tips type 8
- REF 2216 refill cartridge 80 g, mixing tips type 8
- REF 2187 mixing tips type 8 – 50 pack
- REF 2217 adhesive - 10 ml bottle

hard chairside relining in only 10 minutes ...



Fit Test® C & B



Control silicone to check the fit of prosthetic pieces

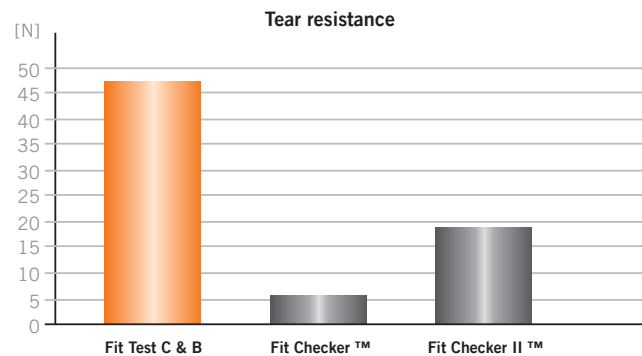
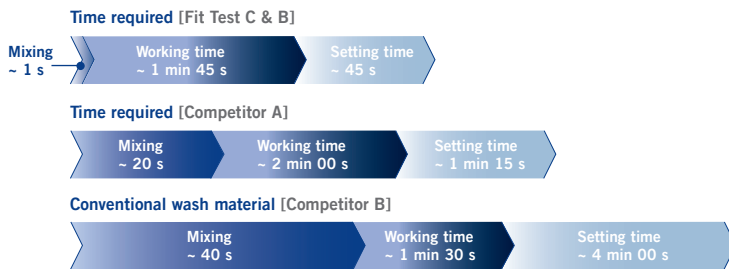
Indications

For the precise control and fit of marginal gaps and adaptation of:

- crowns (full and partial)
- bridges
- inlays/onlays
- cast metal cores, crowns
- metal denture bases
- attachments and other secondary parts of dentures

Advantages

- Fast diagnostic aid/tool for all restorative applications
- QuickMix syringe for easy and precise application
- Optimal blue color for metal and ceramic restorations
- Fast results due to short 45 secs. setting time
- Extremely tear resistant for complete and easy one-piece removal



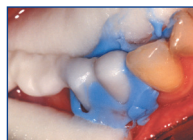
Source: VOCO GmbH in-house test analogue ASTN D-624-98
VOCO is not the holder of the mentioned trade marks



Situation after preparation



Direct application of Fit Test C & B



Seating and intraoral setting



Removal of the restoration



Non optimal fit is visualized in the restoration ...



... and after removal of Fit Test C & B.

Presentation

REF 2095 QuickMix syringe 5 ml, mixing tips type 9
REF 2188 mixing tips type 9 – 50 pack

Technical Data

Working time	max. 1 min 45 secs.
Setting time	45 secs. – 1 min 15 secs.
Tear resistance	48.5 N

SolFlex 650



3D printer – Digital, additive dentistry

Advantages

- Suitable for processing various, high-quality light-cured 3D printing materials
- Use of STL format
- High vat volume allows production over night
- DLP-Technology with a long-lasting 385 nm UV-LED light source
- Maximized building speed with high process reliability due to SMP technology
- Patented Flex-Vat technology – increasing printing speed while minimizing support structures, saving time and material

Technical overview

An increasing number of dentists and dental technicians already rely on the digitalization of their workflow. By integrating 3D printing technology, the in-lab manufacturing can be accelerated, quality and precision improved and costs minimized.

The SolFlex 3D printers give you an easy access to additive manufacturing technology. With 3D printing technology, you benefit from the efficiency advantages of digital designs throughout the production stage. By combining scans with subsequent design and final 3D printing, the manufacturing of models and splints for orthodontic dentistry can be achieved quickly and accurately.

SolFlex 650

- Base area: 400 × 400 mm
- Build area: 128 × 120 mm (6 exposure areas)
- Max. build height: 130 mm
- Layer thickness: 25–200 µm
- Building capacity: up to 36 splints
- Building speed: up to 138 mm/h, depending on the material's layer thickness
- Pixel size: 50 µm
- Precision: ±25 µm

Presentation

REF 9104	SolFlex 650 3D printer
REF 9105	SolFlex 650 SMP - 3D printer (including sensor technology)
REF 9112	Flex-Vat – Flexible material reservoir
REF 9115	Handle bar 350/650 – Handle bar Flex-Vat
REF 9122	Platform – Building platform
REF 9130	Polymerization Unit (G171)

SolFlex 350



3D printer – Digital, additive dentistry

Advantages

- Suitable for processing various, high-quality light-cured 3D printing materials
- Use of STL format
- High vat volume allows production over night
- DLP-Technology with a long-lasting 385 nm UV-LED light source
- Maximized building speed with high process reliability due to SMP technology
- Patented Flex-Vat technology – increasing printing speed while minimizing support structures, saving time and material

Technical overview

An increasing number of dentists and dental technicians already rely on the digitalization of their workflow. By integrating 3D printing technology, the in-lab manufacturing can be accelerated, quality and precision improved and costs minimized.

The SolFlex 3D printers give you an easy access to additive manufacturing technology. With 3D printing technology, you benefit from the efficiency advantages of digital designs throughout the production stage. By combining scans with subsequent design and final 3D printing, the manufacturing of models and splints for orthodontic dentistry can be achieved quickly and accurately.

SolFlex 350

- Base area: 400 × 400 mm
- Build area: 64 × 120 mm (3 exposure areas)
- Max. build height: 130 mm
- Layer thickness: 25–200 µm
- Building capacity: up to 18 splints
- Building speed: up to 138 mm/h, depending on the material's layer thickness
- Pixel size: 50 µm
- Precision: ±25 µm

Presentation

REF 9102	SolFlex 350 3D printer
REF 9103	SolFlex 350 SMP - 3D printer (including sensor technology)
REF 9111	Flex-Vat – Flexible material reservoir
REF 9115	Handle bar 350 / 650 – Handle bar Flex-Vat
REF 9121	Platform – Building platform
REF 9130	Polymerization Unit (G171)

SolFlex 170



3D printer – Digital, additive dentistry

Advantages

- Suitable for processing various, high-quality light-cured 3D printing materials
- Use of STL format
- High vat volume allows production over night
- DLP-Technology with a long-lasting 385 nm UV-LED light source
- Maximized building speed with high process reliability due to SMP technology
- Patented Flex-Vat technology – increasing printing speed while minimizing support structures, saving time and material

Technical overview

An increasing number of dentists and dental technicians already rely on the digitalization of their workflow. By integrating 3D printing technology, the in-lab manufacturing can be accelerated, quality and precision improved and costs minimized.

The SolFlex 3D printers give you an easy access to additive manufacturing technology. With 3D printing technology, you benefit from the efficiency advantages of digital designs throughout the production stage. By combining scans with subsequent design and final 3D printing, the manufacturing of models and splints for orthodontic dentistry can be achieved quickly and accurately.

SolFlex 170

- Base area: 296 × 318 mm
- Building platform: 56 × 89 mm (1 exposure area)
- Max. Height: 120 mm
- Layer thickness: 25–200 µm
- Construction capacity: up to 6 splints
- Construction speed: up to 138 mm / h, depending on thickness and material
- Pixel size: 70 µm
- Accuracy: ±35 µm

Presentation

REF 9100	SolFlex 170 3D printer
REF 9101	SolFlex 170 SMP - 3D printer (including sensor technology)
REF 9110	Flex-Vat – flexible material reservoir
REF 9120	Platform – Building platform
REF 9130	Polymerization Unit (G171)

OtoFlash



NEW

Polymerization unit for light-curing resin materials

Advantages

- Short curing times thanks to TWO flash bulbs on the underside
- Reliable curing due to intensive light output in a wavelength range of 280–580 nm
- The device can optionally be supplied with protective gas equipment

Technical Specifications

- Dimensions of polymerization chamber: 120 x 120 x 50 mm
- Rated voltage: 100, 117, 230 volt AC, adjustable by switch
- Power input: 250 watt
- Spectral distribution: 280–700 nm, maximum between 400 and 500 nm
- Flash frequency: 10 flashes per second
- Digital timer: adjustable from 1 to 9.999 flashes
- Dimensions: 310 x 310 x 140 mm
- Weight: 6 kg

Product Overview:

The Otoflash G171 is a flash-light polymerization device for the curing of light-curable resins. It has two flash bulbs at the bottom which are operated at a frequency of 10 flashes per second in the work mode. When flashing, the flash bulbs generate a highly intensive light radiation which ranges from 300 to 700 nm. This concentrated radiation of the targeted resin material results in a more thorough curing which provides enhanced physical values while achieving a reduced remainder of monomer content compared to other polymerization units. It comes with a protective gas (nitrogen) option to displace the oxygen and thus reducing the exposure of the workpieces to oxygen to prevent the formation of an oxygen inhibition layer which would potentially weaken the final result of the workpiece.

Presentation

REF 9133 OtoFlash
 REF 9130 OtoFlash – polymerization unit with connection for inert gas
 REF 9132 Tray

V-Print model (beige)



Material for 3D printing of models

Indications

3D print working and presentation models for the entire spectrum of models in dentistry for DLP-Printer with UV-LED range of 378 to 388 nm

Advantages

- Opaque stone-color (beige) for good optical recognition of surface structure, preparation limits, etc.
- Good flexural strength and surface hardness
- Excellent precision

Presentation

REF 6042 V-Print model – bottle 1,000 g (beige)

V-Print ortho



Material for 3D printing of ortho devices

Indications

Orthodontic base parts, X-ray templates for implantology, occlusal splints, study models and transfer keys

Medical device, Class IIa for DLP-Printers with a UV LED spectrum of 378 to 388 nm.

Advantages

- Highly esthetic due to the clear color
- High color stability and break resistance
- Biocompatible
- Flavor neutral

Presentation

REF 6040 V-Print ortho – bottle 1,000 g (clear)

V-Print SG



Material for 3D printing of surgical guides

Indications

Surgical guides for DLP-Printer with UV-LED range of 378 to 388 nm

Advantages

- Autoclavable at 250 °F / 134 °C
- Optimal flow properties
- High precision for optimal fit
- Excellent green-state stability
- High flexural stability
- Biocompatible
- Neutral flavor
- Optimized printing result thanks to specific processing instructions for SolFlex / V-Print

Presentation

REF 6043 V-Print SG – bottle 1,000 g (clear)



Active-tabs for cleaning impression trays and instruments

Advantages

- Quickly removes alginates and cements
- Completely dissolves in water without scrubbing
- Dosing is simple
- 2 tabs per quart of cleaning solution
- Bio-degradable, pH-neutral
- Gentle to material, safe for all rust-proof metals (including aluminum) and plastics
- Solution is effective for up to 72 hours



Presentation

REF 2355 pack 50 tabs



Light-curing custom tray material in two contoured forms for maxillae or mandibles

Advantages

- Very stable and non-sticky trays
- Peppermint flavor and pleasant smell
- Short curing time under halogen light devices or UVA-light
- Available in blue or transparent shade

Presentation

blue opaque
 REF 2402 pack 50 maxillae
 REF 2403 pack 50 mandibles
 blue transparent
 REF 2408 pack 50 maxillae
 REF 2409 pack 50 mandibles



Light-curing pink-transparent base plates for easy and economic production of wax models

Advantages

- Stable and pressure-proof
- Tissue-like shade increases acceptance by dentists and patients
- Peppermint flavor and pleasant smell
- Short curing time under halogen light devices or UVA-light

Presentation

REF 2111 set 25 maxillae, 25 mandibles
 REF 2112 pack 50 maxillae
 REF 2113 pack 50 mandibles



Fine application brushes for Admira Bond/Protect and other varnishes



Special foam pellets for applying medical products in liquid or paste form without exerting any pressure. Suitable for painting infected alveoli and use as an endodrain



Presentation	
REF 2249	pack 100 Micro Tim
REF 2338	brush holder for disposable dental brushes and Micro Tim, 5 pieces

Presentation	
REF 2250	No. 0, mini, ø 3 mm, approx. 3.000 pellets
REF 2252	No. 1, small, ø 4 mm, approx. 3.000 pellets
REF 2253	No. 2, medium, ø 5 mm, approx. 1.000 pellets
REF 2254	No. 3, large, ø 8 mm, approx. 500 pellets
REF 2255	No. 4, V-shaped, 6 x 8 mm, approx. 500 pellets

Presentation	
REF 2158	type 2 for Structur 3, Structur Premium, Structur 2 SC, Provicol C, Ufi Gel SC, Registrado X-tra (1:1/2:1)
REF 2259	type 3 for Rebuilda DC (DS25 1:1)



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

Ergonomically designed applicator to dispense the content of the VOCO application capsules (AC) directly into the cavity

Presentation	
REF 2331	1 AC Applicator Type 1
REF 2334	1 AC Applicator Type 2



Device to activate VOCO application capsules (AC)






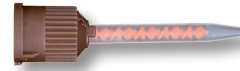






Presentation	
REF 9300	1 AC Activator















Low force composite dispenser

Presentation	
REF 9301	1 Caps Dispenser for Grandio Caps, GrandioSO Caps, GrandioSO Heavy Flow Caps, GrandioSO Flow Caps, x-tra fil Caps, x-tra base Caps, Admira Fusion Caps, Admira Fusion x-tra caps, Admira Caps, Clip Caps, Twinky Star etc.

Mixing Tips

	REF 2185 mixing tips type 6 for Structur 3, Structur Premium, Structur 2 SC, Provicol C – 50 pack		REF 2186 mixing tip type 7 for V-Posil Light Fast and X-Light Fast – 50 pack		REF 2189 mixing tips type 10 for Provicol QM, Structur 3 (in the QuickMix syringe), Structur 2 (in the QuickMix syringe), Meron Plus QM, Provicol QM Plus, Quick Up – 50 pack
	REF 2191 mixing tips type 11 for Rebilida DC QM syringes, Bifix QM, Fit Test C&B with Quick Up method, Grandio® Core Dual Cure – 50 pack		REF 2192 mixing tips type 12 for Rebilida DC in cartridge – 50 pack		REF 2194 mixing tips type 14 for Bifix SE – 50 pack
	REF 2195 mixing tips type 15 with intraoral tips type 1 for Bifix SE – 50 pack		REF 2196 mixing tips type 16 for V-Posil Heavy Soft Fast, V-Posil Mono Fast, and Registrado X-tra/Clear/Scan for intra-oral tips type 2 – 50 pack OR type 3 – 50pk		REF 2199 mixing tip type 19 for Rebilida DC - 30 pack
	REF 2202 mixing tips type 20 (Die Silicone) – 50 pack		REF 2187 mixing tips type 8 for Ufi Gel SC, Ufi Gel hard C – 50 pack		REF 2188 mixing tips type 9 for Fit Test C & B, Bifix Temp – 50 pack
	REF 2203 mixing tip type 30 for V-Posil Heavy Soft Fast and Mono Fast 380 ml Cartridge - 50 pack				

Intraoral Tips

	REF 2146 pack type 41 for Ionoseal, Grandio/SO Flow, Admira Fusion Flow, Calcimol LC, etc. – 100 pack		REF 2147 pack type 45 for Amaris Gingiva, Grandio Seal – 100 pack		REF 2148 pack type 46 for GrandioSO Heavy Flow, x-tra base, Admira Fusion x-base, Clip Flow – 100 pack
	REF 2144 pack type 44 for Amaris Flow, Admira Flow, Quick Up LC – 100 pack		REF 2131 pack type 47 for Calcicur – 30 pack		REF 2139 pack type 1 for Rebilida DC QM syr., Bifix SE, Bifix QM, Fit Test C & B, direct root canal application – 50 pack
	REF 2140 pack type 2 for Registrado X-tra, Registrado Clear and Registrado Scan – 50 pack		REF 2141 pack type 3 for Rebilida DC in cartridge, V-Posil Light Fast and X-Light Fast – 50 pack		REF 2142 pack type 4 for Rebilida DC QM syringes, Bifix QM, Grandio Core Dual Cure – 50 pack
	REF 2132 pack type 48 for Vococid – 50 pack		REF 2133 pack type 6 for V-Posil Mono Fast – 50 pack		REF 2310 pack type 42 for Vococid – 30 Pack

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