



INNOVATION PRECISION EXCELLENCE



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DENTAL CATALOG





VOCO: INNOVATIVE SOLUTIONS

VOCO's reputation for being a global leader in the manufacturing of dental materials and technologies can be traced back to its early beginnings 40 years ago. Based out of Cuxhaven, Germany, VOCO performs extensive research and development in the fields of dental restoratives, adhesives and many other materials and technologies, setting new standards in the creation of innovative dental products and application aids to provide better solutions to dentists throughout the world and here in North America.

VOCO researchers partner and maintain close contact with over 150 universities and research institutes worldwide, and have led several research projects co-sponsored by the German Federal Ministry of Research. This has enabled VOCO to act as a technological forerunner in several material development areas. A leader in Nano-technology, VOCO's products have received high praise and recognition in North America with 4 and 5 star ratings from the The Dental Advisor, Reality and other independent institutes.

As a global player, VOCO exports to over 100 countries on 6 continents. In the United States, VOCO is proud to offer you products through Patterson Dental, Henry Schein Dental, Benco Dental and Burkhart Dental. Most locations in the US can enjoy next-day delivery through these fine distributors.

In Canada, VOCO products are available through Henry Schein Dental, Patterson Dental, Sinclair Dental, K-Dental and Central Dental.

We are proud to offer you Great Products, Great Quality, Great Support and Great Value.

For detailed information please visit:

vocoamerica.com

To order or for more information, contact your local VOCO representative.

1-888-658-2584

Very Truly Yours,

VOCO
THE DENTALISTS

**Innovation
Precision
Excellence**

Made in Germany

PREVENTIVE CARE					
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ICONS

The following icons enable you to quickly find the right product, make a first assessment and judgment within seconds, and quickly gain a general overview. For detailed information regarding the use of any product, please consult the instructions for use.



Material composition

Both the fillers and the resin matrix of this product are based purely on silicon oxide.



Material composition

This product is based on nano-hybrid technology.



Curing of the material

This product either cures through exposure to light or it self-cures chemically.



Curing of the material

This product self-cures chemically.



Curing of the material

This product cures through exposure to light. The time indicated represents the average time.



Method of application

Preparatory conditioning of the tooth surface is not required before application of this material to the tooth.



Method of application

Separate etching of the tooth surface is necessary before the adhesive system (bond) is used.



Method of application

No separate etching of the tooth surface is required before the adhesive system (bond) is used.



Indications

According to the indications, this product is suitable for fillings of the cavity classes listed.



Volumetric shrinkage

During setting, this product is subject to the volume shrinkage indicated in percent, measured as a change in percent of total volume.



Filler content

This product has a defined filler content, which is indicated in percent by weight.



Hardness of the material

This product possesses the shore A hardness shown.



Radiopacity

After completion of the working process, this material is highly radiopaque. The value shown indicates the radiopacity in percent relating to the aluminium equivalent.



Working directions

This material is suitable for bulk fillings with a maximum layer thickness of 4 mm.



Fluoride content

This product contains the level of fluoride indicated.



Material compatibility

This product can be used with the materials indicated.



Application of the material

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



CAD/CAM

This product is suitable for use in digital dentistry.



Indication of retention time in the mouth

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



Indication of working time

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



No Parabens

This product does not contain the hormone disrupting class of compounds know as parabens.



Indication of wavelength

This material can be light-cured using a UV-LED light source with the wavelength shown.



Format of communication data

This product processes the data format indicated.



Non-sedimenting

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



Application of the material

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



PREVENTIVE CARE

Protective Dental Care/ Desensitizer

Remin Pro	6
Admira Protect	6

Fluoride Varnish

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Bifluorid 10	9

Sealant/Prophy Paste

Grandio Seal	10
CleanJoy	10

Remin Pro

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



Not available
in Canada!



Indications

After whitening
After professional cleaning
Prevention and control of hypersensitivities



Advantages

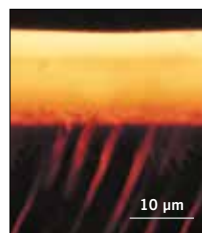
- Triple protection of fluoride, Nano-hydroxyapatite (calcium and phosphate) and Xylitol
- Nano-hydroxyapatite restores the mineral balance
- 61% more fluoride (1,450 ppm) than the leading brand
- Contains Xylitol known for its cariostatic properties
- No risk of milk protein allergies as with other brands
- Fast-acting and great-tasting
- Easy to apply with a finger, soft tooth-brush 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)

Admira Protect

Light-cured, Nano-filled desensitizer



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 micro-photography (CLSM) of Admira Protect on unetched dentin.²



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/root surface, per tooth¹

Presentation

REF 1651 Pack 50 x .06 ml SingleDose, 50 Micro Tim
REF 1652 Pack 200 x .06 ml SingleDose, 200 Micro Tim
REF 1650 4.5 ml bottle
REF 2249 Micro Tim – 100 pack
REF 2338 disposable brush holder – 5 pack
REF 2315 mixing pallets – 20 pack

VOCO Profluorid® Varnish

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

Advantages

- Easy non-messy SingleDose delivery system
- No yellow discoloration of teeth
- In seven 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 Pack 48 x 0.4 ml SingleDose, assorted, accessories

REF 1268 Pack 50 x 0.25 ml melon, accessories

Flavor	SingleDose 50 x 0.4 ml	SingleDose 200 x 0.4 ml
melon	REF 1269	REF 1271
caramel	REF 2226	REF 2229
cherry	REF 2227	REF 2230
mint	REF 2228	REF 2231
bubble gum	REF 2238	REF 2239
cola lime	REF 2240	REF 2241
pina colada	REF 2242	REF 2243

Flavor	tube 10 ml
melon	REF 1267
caramel	REF 2232
cherry	REF 2233
mint	REF 2234
cola lime	REF 2236
pina colada	REF 2237



Application of Profluorid Varnish

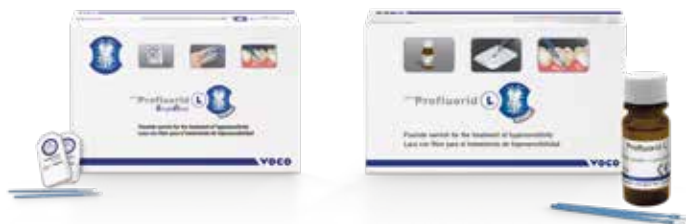


VOCO Profluorid® L

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



Not available
in Canada!



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

Presentation

REF 1590 Pack 50 x .04 ml SingleDose,
accessories
REF 1591 Pack 200 x .04 ml SingleDose,
accessories
REF 1592 4 g bottle, easy brushes, accessories
REF 2245 Easy Brush – 50 pack
REF 2315 mixing pallets – 20 pack

Advantages

- Profluorid L's 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

Application of Profluorid L

Bottle



SingleDose



Bifluorid 10®

Double Fluoride liquid varnish for the treatment of dentinal hypersensitivity



Not available
in the USA!



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

- Bifluorid 10's synthetic resin matrix ensures effective desensitizing during bleaching without interfering with the bleaching results.
- Thin and clear for perfect esthetics
- Liquid consistency for easy and economical application
- Effective double protection of 5% sodium fluoride and 5% calcium fluoride. The sodium fluoride works immediately while the calcium fluoride stores and releases fluoride over time.
- Superior immediate and long-term results.
- Free of glutaraldehyde, colophony, gluten or methacrylates

Presentation

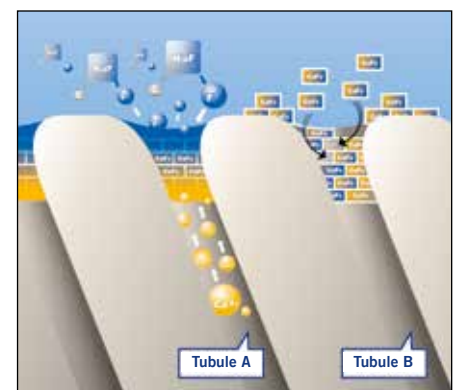
REF 1615 4 g bottle
REF 1616 10 g bottle
REF 1617 Pack 3 x 10 g bottle
REF 1618 Pack 50 x 0.4 ml SingleDose, accessories
REF 1619 Pack 200 x 0.4 ml SingleDose, accessories
REF 1032 10 ml Solvent bottle¹



Fluoridation with Bifluorid 10 after a professional cleaning



Mode of action of the sodium and calcium fluoride contained in Bifluorid 10



Tubule A:

Formation of calcium fluoride by the reaction of the sodium fluoride contained in Bifluorid 10 with calcium ions contained in the saliva and dentinal tubuli liquid

Tubule B:

Storage of the calcium fluoride contained in Bifluorid 10 in the tooth substance and tubuli

¹ For use with Bifluorid 10

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 intraoral tips
- 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

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

Technical Data

Filler content	70.2% by weight
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

CleanJoy[®]

Minimally abrasive prophy paste



Indications

Removal of soft and hard surface plaque
Removal of extrinsic discoloration (e.g. staining from coffee, tea or tobacco)
Polishing of tooth surfaces as part of professional tooth cleaning, prior to whitening, or following the removal of orthodontic devices
Cleaning and polishing of restorations as part of professional tooth cleaning
Removal of residues of temporary cement prior to bonding (cementation)



Advantages

- Optimized filler particles for a smooth patient experience without a sandy feeling. Fine Dual Filler (FDF) Technology³ allows for gentle but effective stain removal. All grits are within the ADA-recommended RDA values.
- FDF technology minimizes splatter
- No parabens, nuts or gluten for reduced allergy risks
- Color-coded grits for easy identification
- Contains fluoride and xylitol
- Simple selection process of three delicious flavors: fresh Mint, sweet Caramel and fruity Cherry

Presentation

REF 2096 Pack 200 × 2 g SingleDose fine (green) mint flavor
REF 2097 Pack 200 × 2 g SingleDose medium (yellow) mint flavor
REF 2098 Pack 200 × 2 g SingleDose coarse (red) mint flavor
REF 6102 Pack 200 × 2 g SingleDose fine (green) cherry flavor
REF 6103 Pack 200 × 2 g SingleDose medium (yellow) cherry flavor
REF 6104 Pack 200 × 2 g SingleDose coarse (red) cherry flavor
REF 6094 Pack 200 × 2 g SingleDose fine (green) caramel flavor
REF 6095 Pack 200 × 2 g SingleDose medium (yellow) caramel flavor
REF 6096 Pack 200 × 2 g SingleDose coarse (red) caramel flavor

DIRECT RESTORATION

Liner/Etchant

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Calcimol	13
Calcimol LC	13
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Vococid	14

Total-Etch Adhesive

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Admira Bond	15

Self-Etch Adhesive

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Futurabond M	16
Futurabond DC	17
Futurabond M+	17
Futurabond U	18

Nano-Hybrid Composite

GrandioSO	19
GrandioSO x-tra	20
GrandioSO Light Flow	21
GrandioSO Flow	22
GrandioSO Heavy Flow	23
Grandio	24
Amaris	25
Amaris Gingiva	26
x-tra base	31
x-tra fil	32

NANO-ORMOCER®

Admira Fusion	27
Admira Fusion Flow	28
Admira Fusion x-tra	29
Admira Fusion x-base	30

Bulk-Fill Composite

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VisCalor	34

Pediatric Restorative / Composite Caps Warmer

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VisCalor Dispenser	35

Curing Light / Polishers

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Reinforcement Strands

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Glass Ionomer Restorative

Ionolux	38
IonoStar Plus	39
IonoStar Molar	40
GIC Mixer	40

Glaze

Final Varnish LC	41
Easy Glaze	41



Calcicur®

Ready-to-use calcium
hydroxide paste



Indications

Indirect capping for the treatment of caries profunda

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

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

For temporary filling of root canals

Presentation

REF 1093 2.5 g syringe, intraoral tips type 47

REF 2131 intraoral tips type 47 - 30 pack

Advantages

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



Calcimol

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 Set 1 x 13 g base, 1 x 11 g catalyst

Calcimol LC

Light-cured, resin modified
calcium ion releasing base liner



Indications

Indirect pulp capping
Lining under all filling materials



Advantages

- Calcium ion release promotes hydroxyapatite and tertiary dentin growth
- Has a high pH level (9.5–11) which is considered to have an antimicrobial effect
- Flow on demand – stays where you apply it
- Non-Dripping Technology (NDT^{®1}) 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

Presentation

REF 1307 Pack 2 x 2.5 g syringes,
intraoral tips type 41

REF 2146 intraoral tips type 41 – 100 pack

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

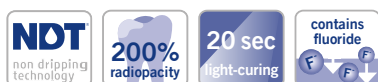
Ionoseal

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

Vococid

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 Pack 1 × 5 ml syringe, accessories
REF 1224 Pack 5 × 2 ml syringes, accessories
REF 2310 intraoral tips type 42 - 30 pack
REF 2132 intraoral tips type 48 - 50 pack

Solobond Plus

Light-cured two bottle 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

Presentation

REF 1044 Kit 1 x 4 ml primer, 1 x 4 ml adhesive, 1 x 5 ml Vococid syringe, accessories
 REF 1048 Refill 1 x 4 ml primer
 REF 1049 Refill 1 x 4 ml adhesive
 REF 2315 mixing pallet – 20 pack

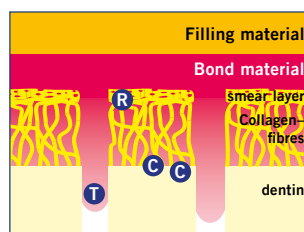
Technical Data

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

**ALSO FOR SELF-
AND DUAL-CURED
RESTORATIVES**

Admira Bond

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
- More than 15-year proven record of success
- Easy dispensing one-drop bottles

Presentation

REF 2479 4 ml bottle
 REF 2432 Pack 2 x 4 ml bottles
 REF 2315 mixing pallets – 20 pack

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

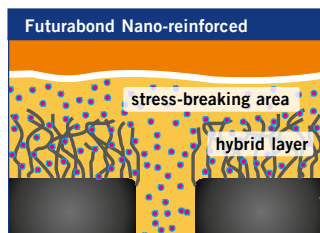
C = a second chemical adhesion mechanism through a special monomer to chemically bound phosphate

T = development of tags in the tubuli

R = retentive adhesion to free collagen fibres

Futurabond NR

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

Presentation

REF 1152 Pack 50 × 0.1 ml SingleDose, accessories
 REF 1153 Pack 200 × 0.1 ml SingleDose, accessories
 REF 1148 Set 4 ml Liquid A, 4 ml Liquid B
 REF 2247 Single Tim – 100 pack
 REF 2315 mixing pallet – 20 pack

Technical Data

Bonding strength to	– enamel	31.4 MPa
	– dentin	30.6 MPa
Application time		20 sec.
Drying time		5 sec.
Curing time		10 sec.

Futurabond M

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

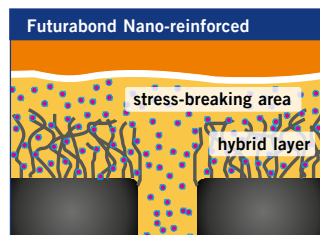
- Excellent adhesion to dentin and enamel
- Fast and easy application – one-coat, one-cure technique
- Moisture tolerant
- Excellent wetting properties
- No shaking, no rubbing
- Working time of up to 5 minutes

Presentation

REF 1350 5 ml bottle, accessories
 REF 1351 Pack 3 × 5 ml bottles
 REF 2247 Single Tim – 100 pack
 REF 2315 mixing pallets – 20 pack

Futurabond DC

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 × 0.1 ml SingleDose, accessories
 REF 1165 Pack 200 × 0.1 ml SingleDose, accessories
 REF 1163 Pack 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
 REF 2315 mixing pallets – 20 pack

Technical Data

Micro-tensile bond strength to dentin	39.3 MPa	University of Tanta
Shear bond strength to dentin	30.2 MPa	analogous Reinhardt*
Shear bond strength to enamel	36.1 MPa	analogous Reinhardt*

* Reinhardt KJ, Phillip Journal 3-4, 1997, 101-104.

Futurabond M+

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



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 5 ml bottle, accessories
 REF 1516 Pack 3 × 5 ml bottles
 REF 1518 Dual Cure Activator (DCA) bottle 2 ml
 REF 2247 Single Tim – 100 pack
 REF 2315 mixing pallets – 20 pack



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

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

Presentation

REF 1571 Pack 50 × 0.1 ml SingleDose, accessories
 REF 1572 Pack 200 × 0.1 ml SingleDose, accessories
 REF 2246 Endo Tim
 (for use in root canal) – 50 pack
 REF 2247 Single Tim – 100 pack

Self-etch



Selective-etch



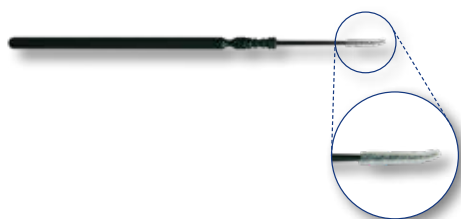
Total-etch



Endo Tim

Indications

Brushes for applying bonding agents and varnishes into the root canal



GrandioSO

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 esthetic 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% (by volume)
 - 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's individual cross-contamination prevention packaging for capsules



Presentation

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 9301 Caps Dispenser

Refills (1 × 4 g syringe/16 × 0.25 g caps), each:

Shade	1 × 4 g syringe	16 × 0.25 g caps
A1	REF 2610	REF 2650
A2	REF 2611	REF 2651
A3	REF 2612	REF 2652
A3.5	REF 2614	REF 2654
A4	REF 2615	REF 2655
B1	REF 2619	REF 2659
B2	REF 2620	REF 2660
B3	REF 2621	REF 2661
C2	REF 2624	REF 2664
D3	REF 2627	REF 2667
I (Incisal)	REF 2629	REF 2669
Opaque OA1	REF 2630	REF 2670
Opaque OA2	REF 2631	REF 2671
Opaque OA3.5	REF 2633	REF 2673
BL (Bleach)	REF 2635	REF 2675
GA3.25	REF 2613	REF 2653
GA5	REF 2616	REF 2656
Grandio®SO shade guide		REF 2607

Technical Data

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



GrandioSO x-tra

Esthetic Nano-hybrid bulk-fill composite



Indications

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

Advantages

- Quick and esthetic posterior restorations
- Higher level of hardness than other bulk-fill composites – on the surface, as well as at 4 mm depth of cure
- High filler content (86% by weight) and extremely low polymerization shrinkage (1.4% by volume)
- High shade stability
- Excellent handling and simple high-luster polishing procedure
- In shades A1, A2, A3 and Universal



Presentation

REF 9301 Caps Dispenser

Shade	1 × 4 g syringe	16 × 0.25 g caps
Universal	REF 2595	REF 2714
A1	REF 2596	REF 2715
A2	REF 2597	REF 2716
A3	REF 2598	REF 2717

Technical Data

Filler Content:	89% by weight 73% by volume	DIN 51081
Shrinkage	1.4 Vol. %	analogous Watts
Shrinkage stress	5.16 MPa	analogous Watts
Flexural strength	186 MPa	ISO 4049
Flexural strength after thermo-cycling	180 MPa	ISO 4049
Modulus of elasticity	4034 MPa	ISO 4049
Compressive strength	334 MPa	analogous ISO 9917
Radiopacity	423 %AI	ISO 4049
Water uptake	10.35 µg/mm ³	ISO 4049
Solubility in water	≤ 0.1 µg/mm ³	ISO 4049
Surface hardness (Micro-Vickers)	222.67 MHV	University of Zagreb
ACTO-wear rate	44 µm	analogous ISO 9917
Curing depth (10 s)	4.67 mm	ISO 4049

GrandioSO Light Flow

Extremely flowable, yet highly stable Nano-hybrid composite with an ultra-fine intraoral tip for precise applications



Indications

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

Ultra-fine
intraoral tip



Advantages

- Low viscosity – allows for outstanding flow properties for maximum accessibility of hard-to-reach areas and small cavities.
- Ultra-fine intraoral tip – for precise and pinpoint application and dosage without excess residues for material savings
- High performance – superior physical properties due to 76% (by weight) nano-hybrid fill rate.
- High esthetics – 8 shades that blend well due to designer nano-particulate
- Excellent handling – NDT[®]-syringe (non-drip technology), compatible with all light-curing adhesives



Presentation

REF 2144 Intraoral tips type 44 - 100 pack

GrandioSO Light Flow (1 × 4 g syringe), each:

Shade	1 × 4 g syringe
A1	REF 2586
A2	REF 2587
A3	REF 2588
A3.5	REF 2589
B1	REF 2590
WO	REF 2591
Opaque OA2	REF 2592
I (Incisal)	REF 2593

Technical Data

Filler content	76.0% w/w	DIN 51081
Polymerization shrinkage	3.82 Vol.-%	analogous Watts
Modulus of elasticity	8.7 GPa	ISO 4049
3-point flexural strength	151 MPa	ISO 4049
Wear rate (200.000 cycles)	49 µm	ACTA 3 body
Thermocycling	117 MPa	ISO 4049
Compressive strength	374 MPa	analogous ISO 9917
Radiopacity	230 %AI	ISO 4049
Curing depth (800 mW/cm ²)	≥ 2.20 mm/20 s	ISO 4049
Water absorption	11 µg/mm ³	ISO 4049
Water solubility	< 0.1 µg/mm ³	ISO 4049
Surface hardness	121 MHV	University of Rostock

Treatment of an anterior tooth defect with GrandioSO Light Flow



Initial situation: Enamel fracture on tooth 8



Pre-treatment of enamel fracture



Filling of defect with ultra-fine intraoral tip and GrandioSO Light Flow without excess residues



Final result after finishing

Source: Dr. Walter Denner, Fulda / Germany



GrandioSO Flow

Medium-viscous, light-cured, universal flowable 81% filled Nano-hybrid composite



Indications

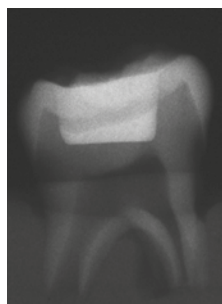
Restoration of minimally invasive cavities of all classes
 Restorations of small Class I cavities and extended fissure sealing
 Restoration of Class II – V cavities including V-shaped defects and cervical caries
 Blocking out of undercuts
 Lining or coating of cavities
 Repair of fillings, veneers and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

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 GrandioSO
- Radiopaque
- Patented NDT^{®1} (Non-Dripping Technology) syringes



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



GrandioSO Flow's WO shade's extreme radiopacity of 500% AI provides an incredibly sharp contrast to the dental hard tissue and other restorative materials, making it extremely useful for the further physical treatment of a filling. When used as a cavity liner, it clearly marks the proximity of the pulp. It is highly useful for masking discolored areas, and the WO shade can be used for color effects in the creation of highly esthetic restorations.

Presentation

REF 2720 Syringe Kit, 5 × 2 g syringes (A1, A2, A3, A3.5, WO)

REF 2146 Intraoral tips type 41 – 100 pack

REF 9301 Caps Dispenser

Refills (2 × 2 g syringes/16 × 0.25 g caps), each:

Shade	2 × 2 g syringes, intraoral tips type 41	16 × 0.25 g caps
A1	REF 2722	REF 2742
A2	REF 2723	REF 2743
A3	REF 2724	REF 2744
A3.5	REF 2725	REF 2745
A4	REF 2726	REF 2746
B1	REF 2729	REF 2749
B2	REF 2730	
C2	REF 2732	
I (Incisal)	REF 2733	
Opaque OA2	REF 2734	
BL (Bleach)	REF 2736	
WO (White Opaque)	REF 2737	
GA5	REF 2727	
Grandio®SO shade guide		REF 2607*

*Only Above Shades are Available

Technical Data

Filler content	81% (by weight)	65% (by volume)
Shrinkage	3.19% (by volume)	analogous Watts et al.
Modulus of Elasticity	10,580 MPa	ISO 4049
Depth of cure	>2.51 mm/20 sec.	ISO 4049
Radiopacity	250 %AI	ISO 4049
Radiopacity WO	500 %AI	ISO 4049
Wear rate:	48 µm	(ACTA method: 200,000 cycles)
Flexural strength	159 MPa	ISO 4049

GrandioSO Heavy Flow

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



Indications

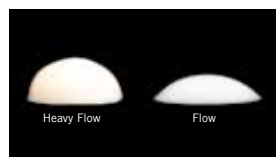
Restoration of minimally invasive cavities of all classes
Restoration of small Class I cavities and for extended fissure sealing
Restoration of Class II – V cavities including wedge-shaped defects and cervical caries
Blocking out of undercuts
Lining or coating of cavities
Repair of restorations and veneers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

Advantages

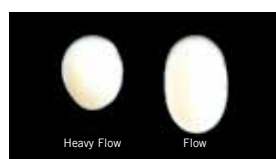
- Strong enough for occlusal surfaces of Class I & II restorations
- Superior physical properties through 83% filler content
- Wear resistance of a hybrid
- No undesirable runoff; increased stability in comparison to conventional flowables
- Simplified filling of undercuts, approximal boxes and paragingival 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

Presentation

REF 2680 Syringe Kit 5 × 2 g (A1, A2, A3, A3.5, WO), shade guide, accessories

REF 2148 Intraoral tips type 46 – 100 pack

REF 9301 Caps Dispenser

Refills (2 × 2 g syringes/16 × 0.25 g caps), each:

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

*Only Above Shades are Available

Technical Data

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

Grandio

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

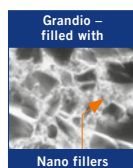
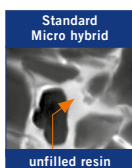


Indications

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% fillers 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% (by volume)*
 - excellent polishability
 - improved translucency
 - very high biocompatibility
 - VOCO's individual cross-contamination prevention packaging for capsules



Presentation

REF 1800 Syringe Kit, 5 × 4 g syringes
(A1, A2, A3, A3.5, B2), shade guide

REF 1830 Caps Kit, 50 × 0.25 g Caps
(A1, A2, A3, A3.5, B2), shade guide

REF 9301 Caps Dispenser

Refills (1 × 4 g syringe/20 × 0.25 g caps), each:

Shade	1 × 4 g syringe	20 × 0.25 g caps
A1	REF 1810	REF 1840
A2	REF 1811	REF 1841
A3	REF 1812	REF 1842
A3.5	REF 1813	REF 1843
A4	REF 1814	REF 1844
B1	REF 1824	REF 1854
B2	REF 1815	REF 1845
B3	REF 1816	REF 1846
C2	REF 1817	REF 1847
C3	REF 1818	REF 1848
D2	REF 1825	REF 1855
D3	REF 1819	REF 1849
I (Incisal)	REF 1820	REF 1850
Opaque OA2	REF 1821	REF 1851
Opaque OA3.5	REF 1822	REF 1852
BL (Bleach)	REF 1823	REF 1853
Grandio shade guide		REF 1899

Technical Data

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 %AI	ISO 4049

Amaris

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} (Non-Dripping Technology) syringes



Initial situation



Selecting of opaque shade



Applying opaque layer



Final esthetic restoration

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

Presentation

- REF 1930 Syringe 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 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 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 9301 Caps Dispenser

Refills (1 × 4 g syringe / 16 × 0.25 g caps), each:

Shade	1 × 4 g syringe	16 × 0.25 g caps
O1	REF 1933	REF 1953
O2	REF 1934	REF 1954
O3	REF 1935	REF 1955
O4	REF 1936	REF 1956
O5	REF 1937	REF 1957
O Bleach	REF 1938	REF 1958
TL (Translucent Light)	REF 1940	REF 1960
TN (Translucent Neutral)	REF 1941	REF 1961
TD (Translucent Dark)	REF 1942	REF 1962

Refills (2 × 1.8 g syringe):

Shade	Syringe
HT (High Translucent)	REF 1945
HO (High Opaque)	REF 1946
Shade guide	REF 1669

Technical Data

Filler content	80% (by weight)
Shrinkage	2.0% (by volume)
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

Amaris Gingiva

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} (Non-Drip Technology) Syringe technology

Presentation

REF 1970 Kit, 3 × 1.2 g opaque in the colors white, light and dark, 1 × 4 g basic color "nature", accessories

REF 1971 Refill, 1 × 4 g color "nature"

REF 2147 intraoral tips type 45 – 100 pack

Technical Data

Filler content	80% (by weight)	DIN 51081
Shrinkage	2% (by volume)	University of Manchester
3-Point flexural strength	120 MPa	ISO 4049
Surface hardness (Micro-Vickers Hardness)	99 MHV	University of Rostock
Depth of cure (500 mW/cm ²)	> 2 mm / 40 s	ISO 4049
Radiopacity	210 %AI	ISO 4049
Water solubility	<1 µg/mm ³	ISO 4049
Water absorption	18.4 µg/mm ³	ISO 4049



Admira Fusion®

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

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 traditional monomers (such as BisGMA [BPA], TEGDMA, UDMA, HEMA, etc.) for superior biocompatibility
- 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's individual cross-contamination prevention packaging for capsules



Presentation

- REF 2750 Syringe Kit, 5 × 3 g syringes (A1, A2, A3, A3.5, Admira Fusion x-tra), shade guide
- REF 2780 Caps Kit, 75 × 0.2 g caps (15 each of A1, A2, A3, A3.5, Admira Fusion x-tra), shade guide
- REF 9301 Caps Dispenser
- Refills (1 × 3 g syringe / 15 × 0.2 g caps), each:**

Shade	1 × 3 g syringe	15 × 0.2 g caps
A1	REF 2754	REF 2782
A2	REF 2755	REF 2783
A3	REF 2756	REF 2784
A3.5	REF 2758	REF 2786
A4	REF 2759	REF 2787
B1	REF 2762	REF 2790
B2	REF 2763	REF 2791
B3	REF 2764	REF 2792
C2	REF 2766	REF 2794
D3	REF 2768	REF 2796
Opaque OA1	REF 2770	REF 2798
Opaque OA2	REF 2771	REF 2799
Opaque OA3	REF 2772	REF 2800
Opaque OA3.5	REF 2773	REF 2801
BL (Bleach)	REF 2775	REF 2803
I (Incisal)	REF 2776	REF 2804
Mixed*	n/a	REF 2806
GA3.25	REF 2757	REF 2785
GA5	REF 2760	REF 2788
Admira Fusion Shade Guide		REF 2752

Technical Data

Shrinkage	1.25% (by volume)
Shrinkage stress	3.71 MPa analogous Watts et al.
Filler content	84% (by weight)
Depth of Cure	2.71 mm / 20 s
Radiopacity	305 %AI
Modulus of elasticity	9,800 MPa
Thermal expansion coefficient α	40.3 *10 ⁻⁶ / K
3-Point-flexural strength	132 MPa
Edge stability	171.9 N
Compressive strength	307 MPa analogous ISO 9917
Water uptake	13.4 µg / mm ³
Water solubility	≤ 0.1 µg / mm ³
Resistance to ambient light	198 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

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

Admira Fusion® Flow

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

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 traditional monomers (such as BisGMA [BPA], TEGDMA, UDMA, HEMA, etc.) for superior biocompatibility
- 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% by weight 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 Technology syringe (NDT®¹)
- Radiopaque (240% Al)
- 12 shades for esthetic restorations – perfectly matching the shade range of the packable version, Admira Fusion

Presentation

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

Shade	2 × 2 g syringes
A1	REF 2818
A2	REF 2819
A3	REF 2820
A3.5	REF 2821
A4	REF 2822
B1	REF 2824
B2	REF 2825
C2	REF 2826
I (Incisal)	REF 2828
Opaque OA2	REF 2829
BL (Bleach)	REF 2831
WO (White Opaque)	REF 2832
Admira Fusion Shade Guide	REF 2752*

*Only Above Shades are Available

Technical Data

Shrinkage	2.75% (by volume) analogous
Shrinkage stress	7.27 MPa analogous
Filler content	74% (by weight)
Depth of Cure	2.66 mm / 20 s
Radiopacity	240 %Al
Modulus of elasticity	5,771 MPa
Compressive strength	281 MPa analogous
Water uptake	12 µg / mm³
Water solubility	< 0.1 µg / mm³
Resistance to ambient light	198 s
Water uptake	13.4 µg / mm³
Surface hardness (Micro-Vickers)	86 MHV
Diametrical tensile strength	66 MPa



Admira Fusion® x-tra

Single-shade Omni-chromatic Nano-ORMOCER Restorative



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

Presentation

REF 2810 Pack 3 g syringe – universal

REF 2811 Pack 15 × 0.2 g caps – universal

REF 9301 Caps Dispenser

Technical Data

Shrinkage	1.25% (by volume) analogous Watts et al.
Shrinkage stress	3.87 MPa analogous Watts et al.
Filler content	84% (by weight)
Depth of Cure	4.05 mm / 20 s
Radiopacity	296 %AI
Modulus of elasticity	10,090 MPa
3-Point-flexural strength	136 MPa
Compressive strength	307 MPa analogous ISO 9917
Water uptake	13.4 µg / mm³
Water solubility	≤ 0.1 µg / mm³

Advantages

- Only one omni-chromatic shade: no guess work and no more wasted shades
- 4 mm depth of cure – saves time
- Easy to polish, highly stain resistant with a high gloss
- Exceptional longevity with low initial shrinkage of only 1.25% by volume
- No traditional monomers (such as BisGMA [BPA], TEGDMA, UDMA, HEMA, etc.) for superior biocompatibility
- Based on innovative Nano-ORMOCER Technology with enhanced physical properties
- Compatible with all conventional bonding agents
- VOCO's individual cross-contamination prevention packaging for capsules



Admira Fusion x-tra's single universal shade matches:

	A1	A2	A3	A3.5	A4	B1	B2	B3	B4	C1	C2	C3	C4	D2	D3	D4	OM3*
Before Light Cure																	
Final Result																	

Source: Internal VOCO data 2019

Admira Fusion® x-base

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% by weight for better wear
- Extremely low polymerization shrinkage of 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 Non-Dripping Technology (NDT®¹) syringe
- Compatible with all conventional adhesives
- Compatible with all conventional resin-based and ORMOCER®-based restorative materials

Presentation

REF 2812 Pack 2 × 2 g syringes, accessories
 REF 2148 intraoral tips type 46 – 100 pack

Technical Data

Shrinkage	2.5% (by vol.) analogous Watts et al.
Filler content	72.0% (by weight)
Depth of Cure	4.49 mm/20 s
Radiopacity	250 %AI
Modulus of elasticity	5,698 MPa
3-Point flexural strength	104 MPa
Compressive strength	256 MPa analogous ISO 9917
Water absorption	16.36 µg/mm ³
Water solubility	<0.1 µg/mm ³
Thermal expansion coefficient	54.7·10 ⁻⁶ ·K ⁻¹



x-tra base®

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 blackout

Repair of small enamel defects

Repair of small defects in esthetic indirect restorations

Repair of temporary C&B materials

Core build-up

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 Caps Dispenser

Technical Data

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

Advantages

- 4 mm depth of 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% AI) for easy X-ray identification
- Available in patented NDT®¹ (Non-Dripping Technology) syringes or unit dose caps with extra long bendable needle tip
- Available in shades A2 and Universal



x-tra fil®

Fast bulk-fill packable posterior composite



Indications

Class I and II restorations

Core build-up

Presentation

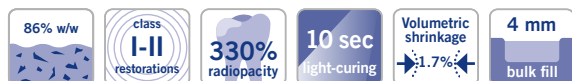
REF 1740 Pack 1 × 5 g syringe, shade universal
REF 1741 Pack 20 × 0.25 g caps, shade universal
REF 9301 1 Caps Dispenser

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% by volume 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% AI)
 - perfect for fast core build-ups
- **x-tra safe**
 - VOCO's individual cross-contamination prevention packaging for capsules

Technical Data

Filler Content	86% by weight
Shrinkage	1.7% (by volume)
Radiopacity	330 %AI
Surface Hardness	142 MHV
Wear (ACTA)	43 µm
Flexural Strength	145 MPa



Clinical Case



Source: Dr. Ulrich Sachse, Kiel

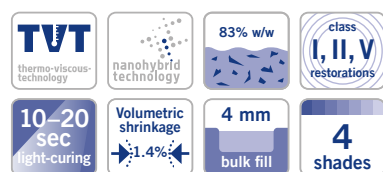
VisCalor® bulk

Thermo-viscous bulk-fill composite



Indications

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



Advantages

- Thermo-viscous: Initially flowable for optimal adaptability, then immediately sculptable. This 2-in-1 material approach (flowable and packable) saves time
- Bulk-fill with 4mm depth of cure speeds up the procedure
- Easy-Access-Capsule with long and narrow tip for hard-to-reach areas and bubble-free application
- VOCO's new TVT polymer technology for:
 - fast viscosity change
 - the ability to flow
 - low shrinkage and excellent wear
- Monoblock concept: one highly-filled material from bottom to top
- Safe to use. VisCalor bulk's temperature increase during application and polymerization stays within the normal range of pulpal physiology*

Presentation

REF 6063 Kit VisCalor bulk + VOCO Caps Warmer, 80 × 0.25 g Caps (16 × universal, 16 × A1, 32 × A2, 16 × A3)
 REF 6062 Kit VisCalor bulk + VisCalor Dispenser, 80 × 0.25 g caps (16 × universal, 16 × A1, 32 × A2, 16 × A3)
 REF 6065 Caps 16 × 0.25 g universal
 REF 6066 Caps 16 × 0.25 g A1
 REF 6067 Caps 16 × 0.25 g A2
 REF 6068 Caps 16 × 0.25 g A3
 REF 9301 Caps Dispenser

Technical Data

Shrinkage	1.44% (by volume)	analogous Watts
Shrinkage stress	4.6 MPa	analogous Watts
Filler content	83% (by weight)	DIN 51081
Radiopacity	310 %AI	ISO 4049
3-point flexural strength	164 MPa	ISO 4049
Compressive strength	335 MPa	analogous ISO 9917
Water absorption	11 µg/mm ³	ISO 4049
Water solubility	≤ 0.1 µg/mm ³	ISO 4049
Abrasion	39 µm	ACTA-3-body
Diametral tensile strength	64 MPa	
Thermal expansion coefficient α	33-10-6 / K-1	Fraunhofer Institute Würzburg
Surface hardness	147 MHV	University of Rostock

* Braun A; Temperature development inside the tooth during application of a thermo-viscous bulk-fill material; Report to VOCO; University of Aachen, 2019.

Clinical Case



Initial situation

Source: Dr. Walter Denner, Fulda / Germany



Minimally invasive prepared cavity at tooth 5



Filling the cavity with VisCalor bulk



Restoration two months after filling

Caps Warmer

Preheating device for composite caps¹



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 effect on physical properties of VOCO materials

Presentation

REF 9001 Caps Warmer
 REF 9003 Caps Warmer Tray

¹Caps Dispenser displayed with Caps Warmer is sold separately and does not come in kit. Instruments are for display only and do not come in kit

VisCalor®

Universal Thermo-viscous composite



Indications

- Class I to V restorations
- Base fill (restoration base) in Class I and II cavities
- Reconstruction of anterior teeth damaged by trauma
- Veneering discolored anterior teeth
- Corrections in shape and shade to improve esthetics
- Interlocking, splinting of loose teeth
- Repairing of veneers, enamel defects, and temporary C&B materials
- Extended fissure sealing
- Restoration of deciduous teeth
- Core build-up
- Composite inlays

Advantages

- Thermo-viscous: Initially flowable for optimal adaptability, then immediately sculptable
- Easy-Access-Capsule with long and narrow tip for hard-to-reach areas and bubble-free application
- 2-in-1 material (flowable and packable) saves time
- Highly filled for low shrinkage and high strength
- Excellent esthetics with high gloss and extended color stability

Presentation

REF 6107 VisCalor – Caps Warmer Kit
(16 × A1, 32 × A2, 16 × A3, 16 × A3.5, VisCalor Caps Warmer)

REF 6106 VisCalor – Heating Dispenser Kit
(16 × A1, 32 × A2, 16 × A3, 16 × A3.5, VisCalor Dispenser)

REF 6110 VisCalor – Shade Guide

Shade	16 × 0.25 g caps	Shade	16 × 0.25 g caps
A1	REF 6113	B1	REF 6119
A2	REF 6114	B2	REF 6120
A3	REF 6115	Incisal	REF 6121
GA3.25	REF 6116	OA2	REF 6122
A3.5	REF 6117	BL	REF 6123
A4	REF 6118	(Bleach)	

Technical Data

Filler Content	83% (by weight)
Compressive strength	331 MPa
Shrinkage stress	4.1 MPa
Water uptake	13 µg/mm ³
Radiopacity	285 %AI
Flexural strength	158 MPa
Volumetric shrinkage	1.41%
Water solubility	<0.1 µg/mm ³



Source: Dr. Walter Denner, Fulda / Germany



VisCalor® Dispenser

Preheating dispenser for VOCO composite caps



Indications

Heating and application of highly filled composites in caps



Advantages

- Increased efficiency – rapid warming and immediate application in one device
- Homogeneous warming thanks to near-infrared technology
- Thoughtful design and proven shape for filling molar cavities
- Two customized programs (VisCalor/VisCalor bulk and additional VOCO composites)

Presentation

REF 9143 VisCalor Dispenser – Preheating device
 REF 9144 Changeable tops – 2 pcs.
 REF 9145 Protective sleeves – 100 pack

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 Caps Dispenser

Refill pack 25 × 0.25 g caps each:

25 × 0.25 g	Shade	25 × 0.25 g	Shade
REF 1681	"Gold"	REF 1685	"Green"
REF 1682	"Silver"	REF 1686	"Orange"
REF 1683	"Blue"	REF 1687	"Lemon"
REF 1684	"Pink"	REF 1688	"Berry"
Shade Guide		REF 1689	

Technical Data

Polymerization Shrinkage	2% (by volume)	
Filler Rate	77.8% (by weight)	(DIN 13922)
Transverse strength	116 MPa	(ISO 4049)
Compressive strength	316 MPa	(ISO 9917)
Wear	14.6 µm	(ACTA 250,000 cycles)

Celalux 3

High intensity, lightweight, cordless LED curing light



Indications

Curing of all light-cured 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 – allows curing of virtually all modern materials
- Includes spare battery to eliminate unnecessary down time

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.

Technical Data

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

Dimanto

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

for NHT
Composites



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.)

GrandTEC

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

Presentation

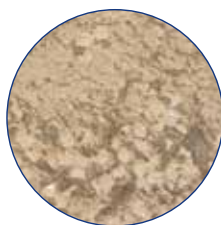
REF 1168 5 × glass fiber strands 55 mm each

Advantages

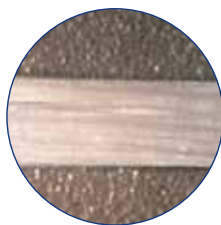
- Three times the reinforcement strength compared to polyethene materials
- The ideal companion for the stabilization of teeth after orthodontic or periodontal therapy
- The perfect reinforcement in the fabrication of crowns and bridges
- For the temporary treatment of missing teeth; can also be used 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

Technical Data

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



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 5x 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.



Ionolux®

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 50 application capsules (10 × A1, 30 × A2, 10 × A3)
REF 2117	Pack 20 application capsules A1
REF 2118	Pack 20 application capsules A2
REF 2119	Pack 20 application capsules A3
REF 2120	Pack 20 application capsules A3.5
REF 2121	Pack 20 application capsules B1
REF 2122	Bulk Pack 150 Application capsules A2
REF 2123	Bulk Pack 150 Application capsules A3
REF 2331	1 AC Applicator Type 1
REF 2334	1 AC Applicator Type 2
REF 9050	GIC Mixing Device

Technical Data

Shear bond strength to dentin	8.7 MPa	ISO/TS 11
Shear bond strength to enamel	8.7 MPa	ISO/TS 11
3-Point flexural strength	60.7 MPa	ISO 9917-2
Compressive strength	219.6 MPa	analogue ISO 9917-1
Radiopacity	250 %AI	ISO 9917-2
Depth of cure (500 mW/cm ²)	2 mm/20 s	ISO 4049
Working time	> 3 min	ISO 9

Clinical Case 1



Tooth 20 with cervical defect

Source: Dr. Isma Goltz, Bremen / Germany



Tooth 20 immediately after treatment

Clinical Case 2



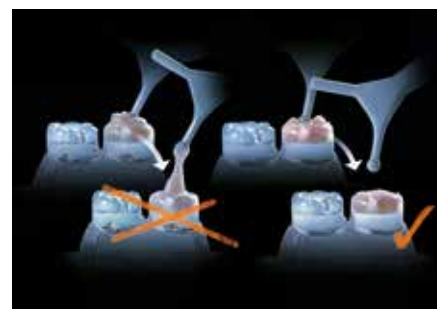
Teeth 3, 4 after excavation



Subsequent treatment with Ionolux

Source: Prof. Hervé Tassery, PU-PH, Faculty of Odontology, University of Marseille / France

Non-Stick Handling



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

Presentation

REF 2540 Kit 50 application capsules
 (10 × A1, 30 × A2, 10 × A3)
 REF 2548 Pack 20 application capsules A1
 REF 2543 Pack 20 application capsules A2
 REF 2544 Pack 20 application capsules A3
 REF 2545 Pack 20 application capsules A3.5
 REF 2546 Bulk Pack 150 Application capsules A2
 REF 2547 Bulk Pack 150 Application capsules A3
 REF 2331 1 AC Applicator Type 1
 REF 2334 1 AC Applicator Type 2
 REF 9050 GIC Mixing Device

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

Technical Data

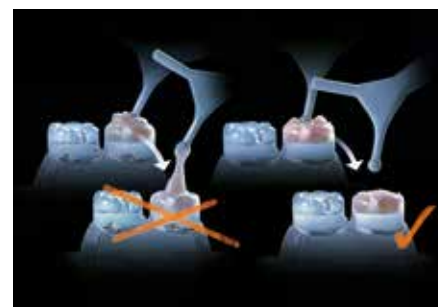
Compressive strength	245 MPa	ISO 9917-1
Radiopacity	230 %AI	ISO 9917-1
Mixing time	10 s	ISO 9917-1
Setting time	60 s	ISO 9917-1
Intraoral setting time	120 s	ISO 991



Fluorescence



Non-Stick Handling



IonoStar® Molar

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 50 application capsules
(10 × A1, 30 × A2, 10 × A3)
REF 2524 Pack 20 application capsules A1
REF 2525 Pack 20 application capsules A2
REF 2526 Pack 20 application capsules A3
REF 2522 Intro Kit 150 application capsules A2*
REF 2523 Intro Kit 150 application capsules A3*
REF 2532 Bulk Pack 150 application capsules A2
REF 2533 Bulk Pack 150 application capsules A3
REF 2331 1 AC Applicator Type 1
REF 2334 1 AC Applicator Type 2
REF 9050 GIC Mixing Device

*Includes AC Applicator Type 1

Technical Data

Compressive strength	275 MPa	ISO 9917-1
Radiopacity	250 %AI	ISO 9917-1
Mixing time	10–15 s	ISO 9917-1
Setting time	90 s	ISO 9917-1
Intraoral setting time	180 s	ISO 991

Non-Stick Handling



VOCO GIC Mixer®

Capsule mixing device



Indications

Device for mixing powder and liquid in
application capsules

Advantages

- High oscillating frequency of 4,600 rpm, creating a particularly homogeneous mixture of powder and liquid
- Modern design
- Capsule holder allows simple insertion and removal of capsules

Presentation

REF 9050 GIC Mixing Device

- User-friendly
- Quiet and practically vibration-free
- Mixing times can be freely selected between 1 and 99 seconds

Final Varnish LC

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 × 3 ml bottles
REF 2315 mixing pallets – 20 pack

Easy Glaze®

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 5 ml bottle, accessories
REF 2245 easy brushes – 50 pack
REF 2315 mixing pallets – 20 pack

INDIRECT RESTORATION

VPS Impression Materials

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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-minute 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 and 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 (<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 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
 REF 2563 Cartridge 1 × 380 ml, mixing tips type 30
 REF 2564 Cartridge 2 × 380 ml, mixing tips type 30
 REF 2158 Type 2 dispenser (50 ml cartridge)

VOCO Dynamic Dispenser

- REF 9140 380 ml Mixing device, 110 V int. E1



V-Posil® Light Fast · X-Light Fast

Time optimized VPS wash material



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

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 and 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 and 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

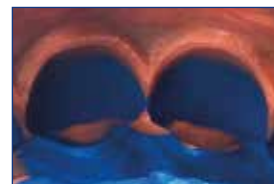
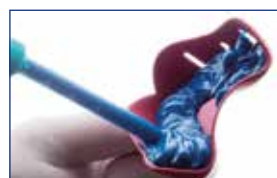
V-Posil X-Light Fast

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

REF 2158 Type 2 dispenser (50 ml cartridge)



Clinical Case



Source: Mauricio Watanabe, Cristian Sánchez, Brazil

V-Posil® Mono Fast

Time optimized VPS medium body impression material



Indications

V-Posil Mono Fast is 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 and 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 and yielding more precise impressions

Presentation

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
REF 2158 Type 2 dispenser (50 ml cartridge)

- 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

VOCO Dynamic Dispenser

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 intraoral pin tracing template

Advantages

- Optimal rigidity for precise trimming
- Two-phase set: After 40 sec. the material is hard and dimensionally 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
 REF 2158 Type 2 dispenser

SC
self-curing

auto
mix

Shore-A
90



Intraoral tips provide a flat ribbon of material for better coverage of the occlusal surface



Registrado® Clear

Transparent A-silicone fast-setting bite registration material



Not available
in the USA!



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
- Time 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 2196 mixing tips type 16 – 50 pack

REF 2140 intraoral tips type 2 – 50 pack

REF 2158 Type 2 dispenser

Registrado® Scan

Scannable addition-curing silicone bite registration material



Not available
in Canada!



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 2196 mixing tips type 16 – 50 pack

REF 2140 intraoral tips type 2 – 50 pack

REF 2158 Type 2 dispenser

GrandioSO Inlay System

Chairside fabrication of indirect composite inlays



Indications

Single office visit composite inlay system

Advantages

- **Complete kit 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 esthetics
 - 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 3 x 50 ml cartridge Die Silicone, 15 x 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 Refill Die Silicone 2 x 50 ml cartridge, mixing tips type 20

REF 2202 mixing tips type 20 (Die Silicone) – 50 pack

REF 2191 mixing tips type 11 (Bifix QM) – 50 pack



GrandioSO Inlay System Application



Clip

Light-cured provisional filling material in caps or syringes



Indications

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



Source: Dr. Peter Bastobbe, Mainleus / Germany

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

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 Caps Dispenser

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

Clip Flow

Light-cured, flowable provisional filling material in syringes



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 (Non-Dripping Technology) syringe

Presentation

REF 1282 Pack 2 x 1.8 g syringe, accessories
REF 2148 application tips type 46 – 100 pack



Abutment with open aperture

Aperture sealed with Clip Flow

Light-curing of the material

Finished seal

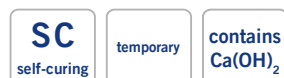
Provicol®

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



Indications

Temporary cementation of crowns and bridges



Advantages

- Contains calcium hydroxide which is known to have an antimicrobial effect that reduces postoperative sensitivities
- Good adhesion to 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, cementing materials, or glass ionomer cements

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 Set 25 g base, 25 g catalyst in tubes

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

Provicol® QM Plus

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
- Contains calcium hydroxide which is known to have an antimicrobial effect that reduces postoperative sensitivities
- 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 fillings, cementing materials or glass ionomer cements
- High level of radiopacity

Presentation

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

Provicol® QM Aesthetic

Translucent zinc oxide, non-eugenol, high retention temporary cement with calcium hydroxide



Indications

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

Temporary filling of small one-surface cavities



Advantages

- Translucent appearance that will not change the overlying color of the temporary
- Does not permanently adhere to composite-based core-build ups for easy removal
- Very low film thickness (7 µm) enhances the fit and secures an excellent retention
- Semi-elastic consistency allows for an easy clean up and removal
- Contains calcium hydroxide which is known to have an antimicrobial effect that reduces postoperative sensitivities
- Non-eugenol for the use of permanent resin cements and bis-acrylic temporaries
- Radiopaque

Presentation

REF 1108 5 ml, QuickMix syringe, accessories
REF 2189 mixing tips type 10 – 50 pack

Bifix® Temp

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 self-cure mode – fast working
- 5 micron film thickness – no “jack-ups” of temporaries
- Short mixing tip – less waste

Presentation

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

Structur® 2 SC

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

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

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

REF 2158 Type 2 dispenser

Structur 2 QuickMix syringe

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

Technical Data

Working time	30–50 sec.
Intraoral setting time (ISO 4049)	40–70 sec.
Compressive strength (ISO 9917)	215 MPa
3-Point flexural strength (ISO 4049)	92.7 MPa
Diametral tensile strength	30 MPa
Modulus of elasticity analogous (ISO 4049)	2,500 MPa
Maximum intrapulpal temperature	< 40.5 °C – University of Münster

Structur® 3

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

Advantages

• Fast and Economical

- no more polishing – just wipe with alcohol for a brilliant gloss
- only 45 sec. intraoral 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

• Durable

- high fracture resistance and compressive strength
- suited for long-span bridges and long-term provisionals

• Esthetic

- natural gloss and tooth-like fluorescence
- color stable for long-term use
- available in eight VITA®¹ 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 x 50 ml, shade A2, mixing tips type 6

REF 2513 Cartridge 5 x 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

REF 2158 Type 2 dispenser

Structur 3 QuickMix syringe

Shade	QuickMix syringe 5 ml, mixing tips type 10
A1	REF 2515
A2	REF 2516
A3	REF 2517
B1	REF 2518

Technical Data

Working time	30–50 sec.
Intraoral Setting Time	40–70 sec.
Compressive Strength	509 MPa
3-point Flexural Strength	113 MPa
Diametral Tensile Strength	48 MPa
E-modulus	1,900 MPa
Fluorescence	Yes
Setting temperature	max. 3.6°F above mouth temp.

¹Not a trademark of VOCO

Structur[®] Premium

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



Indications

Temporary crowns, bridges, inlays and onlays

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.)



Initial situation



Structur Premium temporary

Source: Images are a courtesy of Dr. Frank Milnar

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
A1	REF 1712
A2	REF 1713
A3	REF 1714
A3.5	REF 1717
B1	REF 1718
B3	REF 1715
Bleach (BL)	REF 1716

REF 1719 Bulk Pack 5 × 75 g cartridges, shade A3, mixing tips type 6

REF 2185 mixing tips type 6 (Cartridge) – 50 pack

REF 2158 Type 2 dispenser

Technical Data

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

Grandio Core Dual Cure

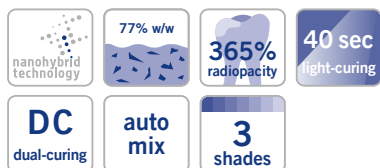
Grandio's Nano-technology for core build-ups



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

Clinical Case



High loss of substance in the anterior area after excavation



Condition after build-up with Grandio Core Dual Cure, ready for impression



Final restoration

Source: Dr. Walter Denner, Fulda / Germany

Rebilda® DC

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



Indications

Adhesive core build-up on vital and non-vital teeth

Cementing of fiber-reinforced resin 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 tip assists with hard-to-reach areas



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 (bendable) - 30 pack
- REF 2259 Type 3 dispenser

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



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

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

Rebilda® Post System

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 conductivity and diffusion for use with dual-cured materials



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

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), 5 ml Ceramic Bond, 20 Futurabond U SingleDose, 10 g QuickMix syringe Rebilda DC dentin, accessories

Refills (posts):

Rebilda Post 1.0, 5 Posts, Ø 1.0 mm	REF 1775
Rebilda Post 1.2, 5 Posts, Ø 1.2 mm	REF 1772
Rebilda Post 1.5, 5 Posts, Ø 1.5 mm	REF 1773
Rebilda Post 2.0, 5 Posts, Ø 2.0 mm	REF 1774
Ceramic Bond, 5 ml Bottle	REF 1106

Refills (drills):

Rebilda Post 1.0, 1 Drill, Ø 1.0 mm	REF 1780
Rebilda Post 1.2, 1 Drill, Ø 1.2 mm	REF 1777
Rebilda Post 1.5, 1 Drill, Ø 1.5 mm	REF 1778
Rebilda Post 2.0, 1 Drill, Ø 2.0 mm	REF 1779



Cross-sections show even distribution of the glass fibers



Highly radiopaque

Rebilda® Post GT

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 to minimize ditching
 - excellent physical properties enhance longevity
 - low setting temperature

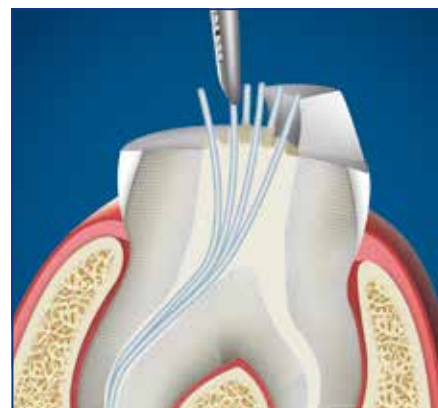
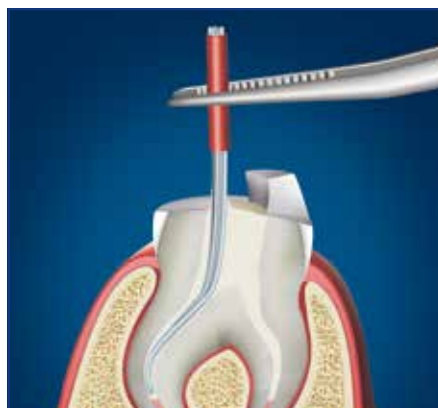
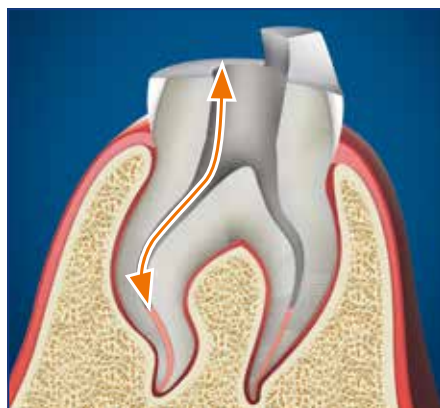
Presentation

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

Refills Post GT:

5 x No. 4 (~ ø 0.8 mm)	REF 1973
5 x No. 6 (~ ø 1.0 mm)	REF 1974
5 x No. 9 (~ ø 1.2 mm)	REF 1775
5 x No. 12 (~ ø 1.4 mm)	REF 1776



Quick Up®

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

Reattachment of secondary elements such as bar retainers in acrylic-based dentures

Advantages

- Faster with Quick Up method
 - Work without vent holes and excess material removal
 - Under fill with 2.5 minute 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

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 Pack 7.5 g Quick Up QuickMix syringe, type 10 mixing tips

REF 1627 Pack 2 g Quick Up LC syringe, type 44 intraoral tips

REF 1628 Pack 4 ml Quick Up adhesive

REF 2189 mixing tips type 10 – 50 pack

REF 2144 intraoral tips type 44 – 100 pack

REF 2247 single tim – 100 pack

REF 2315 mixing pallets –20 pack



Quick Up Application



Implant with fitted attachments



Prosthetic base with the recesses for the attachments already created



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



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



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



Applying Quick Up from the QuickMix syringe



Applying Quick Up LC to correct deficits and superficial defects



Cemented attachment in the prosthesis

Ceramic Bond

One component coupling agent (Silane)
available in a bottle or SingleDose



**NEW
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 Pack 50 x .05 ml SingleDose, accessories
REF 1106 5 ml bottle
REF 2247 single tim – 100 pack
REF 2315 mixing pallets - 20 pack

Bifix® SE

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

- Time saving – no additional bond, prime or etch steps needed
- Ease of use – gel-phase cleanup, no refrigeration, no hand-mixing or trituration required
- High bond strength without an adhesive
- High flexible strength and low water solubility for long-term success
- Low 5–10 micron film thickness – cuts down on adjustment time
- Compatibility with common materials – ceramic and zirconia, CAD/CAM materials, PFMs and metal restorations
- Efficient self-cure mode – sets up completely without any light
- Radiopaque for excellent identification under x-ray

Presentation

REF 1784 Kit 3 x 5 g QuickMix syringes, shades U, T and WO, mixing tips type 14 and 15, type 1 intraoral tips
REF 1785 Refill 5 g QuickMix syringe, shade U (universal), mixing tips type 14 and 15, type 1 intraoral tips
REF 1786 Refill 5 g QuickMix syringe, shade T (transparent), mixing tips type 14 and 15, type 1 intraoral tips
REF 1787 Refill 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

Technical Data

Working time (extra-oral)	90 sec
Setting time	4 min
Film thickness	5–10 µm
Curing depth	2 mm/20 sec
Water solubility	1 µg/mm ³
Flexural Strength	160 MPa (LC), 150 MPa (CC)
Radiopacity	227 %Al
pH (at application)	2.5 (acidic)
pH (after curing)	neutral

Bifix® QM

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

- Easy gel phase clean-up
- Truly universal for all luting indications and all substrates
- Low film thickness saves occlusal adjustment time
- Low water uptake avoids shade shifting and bond failures
- Fast bonding with dual-cure self-adhesive Futurabond DC
- High radiopacity for easy x-ray identification

**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 Pack 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

REF 2315 mixing pallets – 20 pack

Technical Data

Film thickness	5–10 µm
Working time	2.5–3.5 min
Setting time	3 min after inserting the restoration
Curing depth	4 mm/10 s
Water solubility	<0.3 µg/mm ³
Compressive strength	297 MPa
Flexural strength	138 (LC) / 113 (CC) MPa



Excellent adhesion between Bifix and ceramic.

Source: Prof. Behrend University of Rostock 2006

Meron®/AC

Glass ionomer cement



Indications

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

Meron
Powder and Liquid – Hand Mixed

Meron AC
Direct-activation application capsules for less waste, better consistency and less mess.



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

Presentation

Meron

REF 1086 Pack 35 g powder, 15 ml liquid
REF 1090 Eco Pack 15 g powder, 7 ml liquid

Meron AC

REF 1242 Pack 50 capsules
REF 2331 1 AC Applicator Type 1
REF 2334 1 AC Applicator Type 2
REF 9050 GIC Mixing Device

Meron® Plus/AC

Resin modified glass ionomer cement



Indications

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

Meron Plus
Powder and Liquid – Hand mixed

Meron Plus AC
Direct activation application capsules for less waste, better consistency and less mess.



Advantages

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

Presentation

Meron Plus

REF 1731 15 g powder
REF 1731 10 ml liquid

Meron Plus AC

REF 1736 Pack 50 application capsules
REF 1737 Pack 150 application capsules
REF 2331 1 AC Applicator Type 1
REF 2334 1 AC Applicator Type 2
REF 9050 GIC Mixing Device

Technical Data

Working time (ISO 9917-2)	2 min
Intraoral setting time (ISO 9917-2)	3–5 min
Compressive strength (ISO 9917-1)	111 MPa
Film thickness (ISO 9917-2)	11 µm
Water solubility (ISO 7489)	0.4%
Shear bond strength to dentin (ISO/TS 11405)	8 MPa
Adhesion to metal (ISO/TS 11405)	9 MPa
Radiopacity (ISO 9917-2)	> 200 %Al

Merlon® Plus QM

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

- Twice 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



Presentation

REF 1727 Pack 8.5 g QuickMix syringe

REF 1728 Set 3 × 8.5 g QuickMix syringe

REF 2189 mixing tips type 10 – 50 pack

Technical Data

3-point flexural strength (after thermocycling**) (ISO 9917-2)	31.0 MPa
Compressive strength (1 month*) (ISO 9917)	111 MPa
Shear bond strength to human dentin (ISO/TS 11405)	11.3 MPa
Shear bond strength to human enamel (ISO/TS 11405)	9.1 MPa
Shear bond strength to ZrO2 (24 h*) (ISO/TS 11405)	11.8 MPa
Shear bond strength to lithium disilicate (24 h*) (ISO/TS 11405)	8.8 MPa
Shear bond strength to non-precious metal (ISO/TS 11405)	10.3 MPa
Film thickness (ISO 9917-2)	11.7 µm
Water solubility (ISO 7489)	0.36%
Working time (ISO 9917-2)	120 sec.
Setting time (ISO 9917-2)	4 min 30 sec.
Radiopacity (ISO 9917-2)	198 %AI
Fluoride release (60 d, 37 °C water storage)	662 ppm

Merlon Plus QM Clinical Case



Prepared tooth 11 with chamfer preparation to accommodate the crown



Zirconia crown on tooth 11 on the plaster model



Application of Merlon 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

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

BrackFix®

Light-cured orthodontic bracket adhesive

**NEW****Indications**

Direct attachment of orthodontic metal and ceramic brackets

Advantages

- Optimal adhesive consistency provides stable positioning of the bracket on the tooth surface
- Fluorescent Technology reveals adhesive residues under UV light after bracket removal for easy identification
- Enables an easier, quicker and more precise residue removal step
- Light-cured to give practitioner greater control over the required working time
- Can be exposed to loads (chewing forces) immediately after polymerization

Presentation

REF 1205 Kit 2 × 4 g adhesive syringes, 6 ml primer bottle, accessories

REF 1206 SE Kit 2 × 4 g adhesive syringe, 40 primer SingleDose, accessories

REF 1208 Refill 6 ml primer bottle

REF 1207 Refill 2 × 4 g adhesive syringe

REF 1209 Refill 50 primer SE SingleDose, accessories

REF 2247 Single Tim application brushes – 100 pack

REF 2315 mixing pallets – 20 pack

20 sec
light-curing
BrackFix Application

Etching of enamel surface



Application of BrackFix Primer



Simple application of BrackFix Adhesive to bracket



Simple and secure positioning on the tooth



Tooth 8 (upper right central incisor) prior to polymerization and removal of excess adhesive



Under UVA light (for demonstration purposes)



Illumination with UVA light following removal of brackets



Controlled removal of BrackFix residues



Final check with UVA light: No adhesive residues remain

Source: Dr. Felipe Moura / Brazil

Ufi Gel® SC

A-silicone based permanent soft denture relining material
in a 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

SC
self-curing

auto
mix



Ufi Gel® hard C

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 the course of years

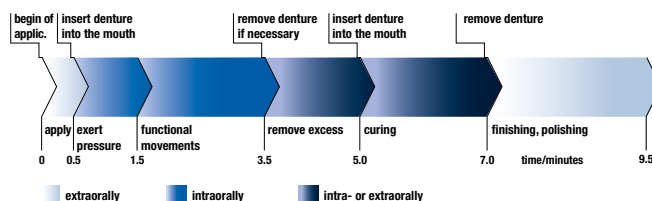
Presentation

REF 2215 80 g cartridge, 10 ml adhesive, mixing tips type 8
 REF 2218 Intro Kit 80 g cartridge, 10 ml adhesive, dispenser type 2, mixing tips type 8
 REF 1207 Refill 80 g cartridge, mixing tips type 8
 REF 2217 10 ml adhesive bottle
 REF 2187 mixing tips type 8 – 50 pack
 REF 2315 mixing pallets – 20 pack

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

Hard chairside relining in only 10 minutes ...



SC
self-curing

auto
mix

As simple as an impression



Apply adhesive



Apply Ufi Gel hard C



Functional movements



Remove excess

... then let denture full cure in the mouth.

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 sec. setting time
- Extremely tear resistant for complete and easy one-piece removal

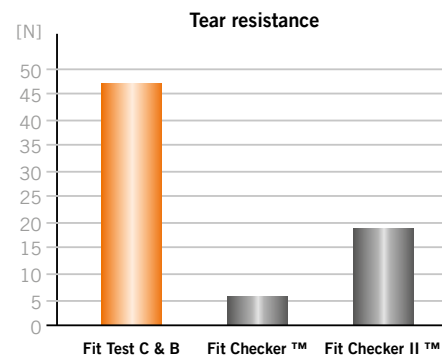
auto
mix

Presentation

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

Technical Data

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

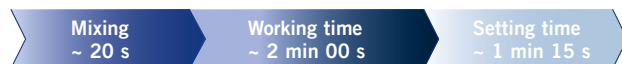


Source: VOCO GmbH in-house test analogue ASTN D-624-98
VOCO is not the holder of the mentioned trade marks

Time required [Fit Test C & B]



Time required [Competitor A]



Conventional wash material [Competitor B]



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.

Source: Dr. Arne Kersting, Germany



DIGITAL TECHNOLOGY

CAD/CAM Blocks/Disc

Grandio blocs	70
Grandio disc	71
Structur CAD	71

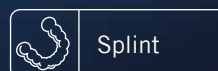
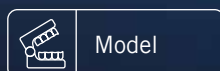
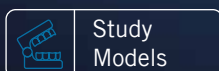
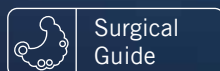
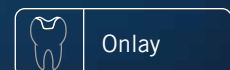
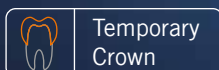
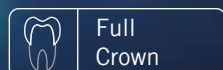
Polymerization Unit

OtoFlash	72
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V-Print Materials

V-Print model (beige)	73
V-Print model fast	73
V-Print SG	74
V-Print splint	74
V-Print Try-In	75
V-Print cast	75
V-Print tray	76

DIGITAL WORKFLOW



Grandio blocs

Nano-ceramic hybrid CAD/CAM block



Indications

Crowns, inlays, onlays, veneers

Implant supported crowns

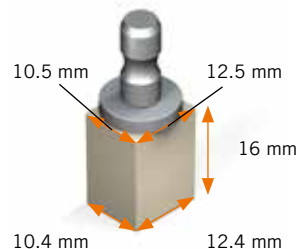
Advantages

- 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 or glazing required, reducing steps and saving time for true one-appointment dentistry
- Easy intraoral polishability, characterization and repair

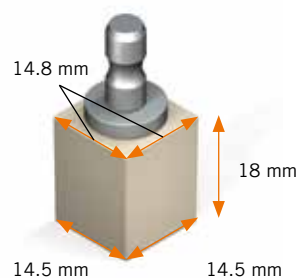


Source: Dr. Felipe Moura, Brazil

Gr. 12



Gr. 14L



Presentation

REF 6000 Blocks Kit 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 translu- cent (LT)	Shade	5 × Gr. 14L Low translu- cent (LT)
A1 LT	REF 6003	A1 LT	REF 6018
A2 LT	REF 6004	A2 LT	REF 6019
A3 LT	REF 6005	A3 LT	REF 6020
A3.5 LT	REF 6006	A3.5 LT	REF 6021
B1 LT	REF 6007	B1 LT	REF 6022
C2 LT	REF 6008	C2 LT	REF 6023
BL LT	REF 6009	BL LT	REF 6024
Shade	5 × Gr. 12 High translu- cent (HT)	Shade	5 × Gr. 14L High translu- cent (HT)
A1 HT	REF 6012	A1 HT	REF 6027
A2 HT	REF 6013	A2 HT	REF 6028
A3 HT	REF 6014	A3 HT	REF 6029
A3.5 HT	REF 6015	A3.5 HT	REF 6030
Mixed (each 1x A1 LT, B1 LT, C2 LT, BL LT, A1 HT)	REF 6033	Mixed (each 1x A1 LT, B1 LT, C2 LT, BL LT, A1 HT)	REF 6034

Technical Data

Compressive strength	530 MPa analog ISO 9917
Biaxial Flexural strength	333 MPa
Modulus of elasticity	18.28 GPa
Thermal expansion coefficient	$16.0 \cdot 10^{-6} \text{ K}^{-1}$
Filler content	86% by weight
Radiopacity	308 %Al
Water absorption	$13.6 \mu\text{g}/\text{mm}^3$ analog ISO 4049
Water solubility	$< 0.1 \mu\text{g}/\text{mm}^3$ analog ISO 4049
Vickers hardness (HV)	154.6
Two-body-wear (specimen)	$59.9 \mu\text{m}$
Two-body-wear (antagonist)	$98.1 \mu\text{m}$

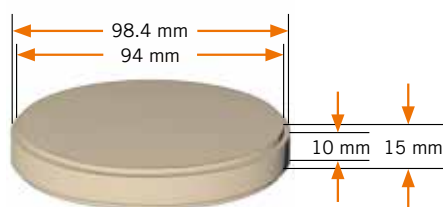
Grandio disc

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 or glazing required, reducing steps and saving time
- Zero shrinkage allows for 20% more restorations per disc than zirconia

Presentation

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
B1 LT	REF 6054		
C2 LT	REF 6055		
BL LT	REF 6056		

Technical Data

Compressive strength	530 MPa analog ISO 9917
Biaxial Flexural strength	333 MPa
Modulus of elasticity	18.28 GPa
Thermal expansion coefficient	$16.0 \cdot 10^{-6} \text{ K}^{-1}$
Filler content	86% by weight
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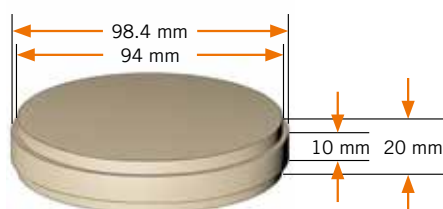
Structur® CAD

CAD/CAM Composite for Long-term Temporary Crown & Bridges



Indications

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



Advantages

- Composite based for higher strength and esthetics
- Temporaries last for up to three years (1 year in CAN)
- High gloss, shade stability and natural fluorescence
- Excellent edge stability and fracture resistance
- Customizable and repairable with composite
- No need to use an MMA primer
- Economical manufacturing of temporaries

Presentation

Shade	Disc Ø 98.4 mm, 20 mm
A1	REF 6071
A2	REF 6072
A3	REF 6073
Shade	Block 5 x No. 40L
A1	REF 6076
A2	REF 6077
A3	REF 6078



OtoFlash

Post-curing unit for light-curing resin materials



Advantages

- Short curing times as a result of two underside flash bulbs
- Reliable curing due to intensive light output in a wavelength range of 280–580 nm
- Available in two models: OtoFlash Classic and OtoFlash with Protective Gas Line (gas not provided, should be obtained locally)

Product overview

The Otoflash G171 is a flash-light polymerization device for the final curing of 3D printed appliances. It has two flash bulbs at the bottom that are operated at a frequency of 10 flashes per second, making it one of the fastest post-curing units on the market. When flashing, the flash bulbs generate highly intensive light radiation, which ranges from 300 to 700 nm.

Because of this extremely concentrated light radiation, the printed parts come to their final hardness more thoroughly, and thus the physical values are enhanced. In addition, this concentrated light is responsible for reducing the residual monomer count, meeting biocompatibility demands for parts that will be used intraorally.

It is available with a protective nitrogen gas port, which when connected to a nitrogen source, will displace oxygen in the curing chamber, thereby reducing the exposure of the printed pieces to oxygen. This feature is to prevent the formation of an oxygen-inhibited layer, which can weaken the final result and quality of the printed part.

Nitrogen source should be obtained locally.

Presentation

REF 9133 OtoFlash

REF 9130 OtoFlash – with connection for inert gas

REF 9132 Tray

Technical Specifications

- Flash frequency: 10 flashes per second
- Dimensions of polymerization chamber: 120 x 120 x 50 mm / 4.72 x 4.72 x 1.97 in
- Rated voltage: 100, 115, 230 volt AC, adjustable by switch
- Power input: 250 watt
- Spectral distribution: 280–700 nm
 - maximum between 400 and 500 nm
- Digital timer: adjustable from 1 to 9.999 flashes
- Dimensions: 310 x 310 x 140 mm / 12.2 x 12.2 x 5.5 in
- Weight: 6 kg / 13.3 lbs

V-Print® model (beige)

Material for 3D printing models



Ideal for:

Precision models for any type of dental need, including but not limited to:

- Functional crown and bridge models
- Models with dies
- Diagnostic models
- Cast models for thermoforming aligners or other appliances
- Orthodontic models
- Implant models



Advantages

- No shaking required – V-Print Model is always immediately usable, with no sedimentation separation or need for time-consuming mixing
- Suitable for overnight print jobs – does not need to be continually mixed to avoid sedimentation
- Models can be ground precisely, without undesirable changes (e.g. as caused by heat influx)
- Non-scratch, very hard surface allows for trial fitting without deformation
- Suitable for thermoforming – no deformation caused by heat

Presentation

REF 6042 1,000 g bottle

- High degree of precision for optimally fitting restorations
- Compatible with multiple printers from Asiga, Dental Wings, Rapid Shape, Straumann, and VOCO. For a complete list go to www.voco.dental/3dprintingpartners

V-Print® model fast

Material for 3D printing models



NEW

Ideal for:

Generative production of dental models, especially for the dental deep-drawing process (e.g. aligner or retainers)



Advantages

- Time-saving – for fast printing in high layer thickness without loss of quality
- Suitable for vacuum forming – temperature resistant as a basis for e.g. aligner or retainer splints
- High strength and material saving – the high strength allows material-efficient hollowing of the models

Presentation

REF 6125 1,000 g bottle

- Compatible with multiple printers from Asiga, Dental Wings, Rapid Shape, Straumann, and VOCO. For a complete list go to www.voco.dental/3dprintingpartners

V-Print® SG

Material for 3D printing transparent surgical guides



Indications

Dental drilling templates



Advantages

- Autoclavable at 250 °F/134 °C
 - Optimal flow properties
 - High precision for optimal fit
 - Excellent green-state stability, so not subject to distortion
 - High flexural stability
 - Biocompatible
 - Neutral flavor
 - FDA cleared class I medical device
 - Compatible with multiple printers from Asiga, Dental Wings, Rapid Shape, Straumann, and VOCO.
- For a complete list go to www.voco.dental/3dprintingpartners

Presentation

REF 6043 1,000 g bottle

V-Print® splint

Material for 3D printing of splints, night-guards and other diagnostic parts



NEW

Indications:

Production of:
Therapeutic splints
Patient-matched night guards/splints-
Auxiliary parts and functional parts for
diagnostics



Advantages

- FDA 510k cleared
 - Biocompatibility and neutral flavor ensure high level of patient acceptance
 - 385 nm wavelength allows esthetically pleasing clear-transparent results
 - Rigid with high flexural strength for durable orthodontic objects
 - Easy to polish and stain resistant
 - Compatible with multiple printers from Asiga, Dental Wings, Rapid Shape, Straumann, and VOCO.
- For a complete list go to www.voco.dental/3dprintingpartners

Presentation

REF 6044 1,000 g bottle

V-Print® Try-In

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



NEW

Indications

Try-ins for total and partial prosthetics

Transfer and grinding templates

Correction impressions and occlusal impressions



Advantages

- Verification and possibility to assess the fit, occlusion, functionality, phonation and esthetics before the production of prosthetics
- Biocompatible
- FDA cleared class I medical device
- Compatible with multiple printers from Asiga, Dental Wings, Rapid Shape, Straumann, and VOCO.
For a complete list go to www.voco.dental/3dprintingpartners

Presentation

REF 6049 1,000 g bottle

V-Print® cast

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



NEW

Ideal for:

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



Advantages

- Reliable printing process – non-sedimenting over the entire printing duration
- Reproducible – simple duplication prior to casting
- Quick finishing process – precisely printed objects allow for high quality of reproduction
- High form and edge stability – reliable checking of occlusion and lateral movements
- Finishing at an early stage – instrument-friendly finishing of objects in light-cured state
- High compatibility – can be used with commercially available phosphate-bonded investment materials
- Restorations free of impurities – V-Print cast burns without residue
- FDA cleared class I medical device
- Compatible with multiple printers from Asiga, Dental Wings, Rapid Shape, Straumann, and VOCO.
For a complete list go to www.voco.dental/3dprintingpartners

Presentation

REF 6045 1,000 g bottle

V-Print® tray

Light-curing resin for the generative manufacture of individual trays, base plates and occlusal registrations using CAD / CAM technology



NEW

Indications

Individual impression and function trays

Bases for bite templates and wax assemblies for full dentures

Occlusal registrations



Advantages

- Timesaving – printable in high layer thicknesses (up to 200 µm)
- Distortion-free impressions – thanks to the great strength
- Universal - suitable for all types of impression material
- Rapid and efficient – object printing including the forming of functional peripheries, retention elements and gaps for implant impressions.
- Biocompatible
- FDA cleared class I medical device
- Compatible with multiple printers from Asiga, Dental Wings, Rapid Shape, Straumann, and VOCO.
For a complete list go to www.voco.dental/3dprintingpartners

Presentation

REF 6047 1,000 g bottle

TIPS, LAB, DISPENSERS, ETC.

Cleaning Agent/Custom Trays

Traypurol tabs	78
Individo Lux	78
Profibase	78

Devices & Disposables

Mixing Pallet, Pele Tim,	
Dispenser, Applicator, Activator	79
Mixing Tips	80
Intraoral tips	80
Tims, Brushes,	
Polishing Disc, etc.	81

Individo® Lux

DE	Vorgeformte individuelle Abformplatten	78
GB	Preformed individual impression trays	78
FR	Porte-empreintes individuels prémodèles yellow polymérisables	78
ES	Cubetas de impresión individuales premodulables fotopolimerizables	78
PT	Moldeiras individuais pré-moldadas, fotopolimerizáveis	78

VOCO GmbH • Anton-Flettner-Str. 1-3 • 57475 Albstadt (D)
VC 52 002400 E0 1111 18

Traypurol tabs

Activated 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
- Biodegradable, 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



Individo Lux

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

Profibase

Light-curing pink-transparent base plates for easy and economical 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

Mixing Pallet



Presentation

REF 2315 Mixing Pallets – 20 pack

Pele Tim

Pele Tim: Available shapes and sizes



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 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

Dispenser



Presentation

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

AC Applicator



Type 2

Type 1: Forceps-type applicator to directly apply the contents of VOCO application capsules (AC) into the cavity

Type 2: Ergonomically designed applicator to dispense the contents 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

AC Activator



Device to activate VOCO application capsules (AC)

Presentation

REF 9300 1 AC Activator

Caps Gun



Low force composite dispenser
VisCalor Dispenser: Preheating dispenser for VisCalor/ VisCalor bulk, and all other VOCO composites packaged in a capsule

Presentation

REF 9301 Caps Dispenser compatible with all VOCO composite, ORMOCER, nano-ORMOCER, provisional composite and compomer capsules
REF 9143 VisCalor Dispenser – Preheating device

Mixing Tips



REF 2185 mixing tips type 6 for Structur 3, Structur Premium, Structur 2 SC, Provicol C – 50 pack



REF 2191 mixing tips type 11 for Rebilda DC QM syringes, Bifix QM, Fit Test C&B with Quick Up method, Grandio® Core Dual Cure – 50 pack



REF 2195 mixing tips type 15 with intraoral tips type 1 for Bifix SE – 50 pack



REF 2202 mixing tips type 20 (Die Silicone) – 50 pack



REF 2203 mixing tip type 30 for V-Posil Heavy Soft Fast, Mono Fast and Putty Fast 380 ml Cartridge - 50 pack



REF 2186 mixing tip type 7 for V-Posil Light Fast and X-Light Fast – 50 pack



REF 2192 mixing tips type 12 for Rebilda DC in cartridge – 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 intraoral tips type 2 – 50 pack OR type 3 – 50pk



REF 2187 mixing tips type 8 for Ufi Gel SC, Ufi Gel hard C – 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 / QM Plus / QM Aesthetic, Quick Up – 50 pack



REF 2194 mixing tips type 14 for Bifix SE – 50 pack



REF 2199 mixing tip type 19 (bendable) for Rebilda DC



REF 2188 mixing tips type 9 for Fit Test C & B, Bifix Temp – 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, GrandioSO Light Flow, 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, GrandioSO Light Flow, Quick Up LC – 100 pack



REF 2131 pack type 47 for Calcicur – 30 pack



REF 2139 pack type 1 for Rebilda 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 Rebilda DC in cartridge, V-Posil Light Fast and X-Light Fast – 50 pack



REF 2142 pack type 4 for Rebilda 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

Endo Tim

REF 2246 Brushes for applying bonding agents and varnishes into the root canal – pack 50 Endo Tim to be used in the root canal – 50 pack

Single Tim

REF 2247 Application brushes for Futurabond NR/DC/M/M+/U SingleDose and Ceramic Bond – 100 pack

Easy Brush

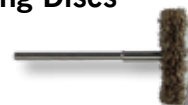
REF 2245 Application brushes for Profluorid L, Profluorid Varnish and Easy Glaze – 50 pack

Micro Tim

REF 2249 Application brushes for Admira Protect – 100 pack

Brush Holder

REF 2338 Disposable brush holder for Micro Tim for Admira Protect – 5 pack

Polishing Discs

REF 2049 trimming discs – 10 pack for Ufi Gel SC without mandrel

VisCalor® Dispenser Replacement Sleeves

REF 9145 Protective sleeves for Viscalor Dispenser – 100 pack

VisCalor® Dispenser Changeable Top

REF 9144 Changeable tops – 2 pcs

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