Flowable Nano Hybrid Composite

Indications:
- Fillings with minimal invasive preparation technique
- Fillings of small cavities and extended fissure sealing
- Substitute fillings of cavities with undercuts
- Filling of class III to V, including V-shaped defects and cervical caries
- Repair of fillings, veneers and temporary crowns & bridges

Advantages:
- Outstanding physical properties through 80% filler content
- Significantly lower shrinkage than conventional flowables
- Wear resistance of a hybrid
- Excellent color retention!
- Excellent wettability
- Thixotropic material that will "flow on demand" without slumping
- Precise application with long bendable tip
- Natural esthetics and exact shade matching with Grandio
- Radiopaque

Presentation:
- 2-1.8gm syringe
- Intraoral tips type 41

Filler content: 80.2% by weight, 65.7% by volume

Wear rate: 36 µm (ACTA method: 200,000 cycles)

Flexural strength: 141 MPa

Flexural modulus: 9,550 MPa

Radiopacity: 200% Al

Depth of cure: 3.5mm/20 sec.

Technical Data

Grandio® Flow
VOCO – THE DENTALISTS

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

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

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

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

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

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

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

1-888-658-2584

Very truly yours,

VOVO – The Dentalists

Innovation
Precision
Excellence

Made in Germany
PREVENTIVE CARE

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## Preventive Care

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</thead>
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<tr>
<td>Fluoridation</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Desensitization</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>ppm Fluoride</td>
<td>1,450 ppm</td>
<td>5,140 ppm</td>
<td>2,260 ppm</td>
<td>2,260 ppm</td>
<td>11,300 ppm</td>
</tr>
<tr>
<td>Presentation</td>
<td>tube</td>
<td>SingleDose, bottle</td>
<td>SingleDose, tube</td>
<td>SingleDose, bottle</td>
<td>SingleDose, bottle</td>
</tr>
<tr>
<td>Flavor</td>
<td>mint, melon, strawberry</td>
<td>neutral</td>
<td>mint, melon, caramel, cherry, bubble gum</td>
<td>neutral</td>
<td>clinical</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Page</th>
<th>Grandio Seal</th>
</tr>
</thead>
<tbody>
<tr>
<td>% w/w</td>
<td>70</td>
</tr>
<tr>
<td>Opaque</td>
<td>•</td>
</tr>
<tr>
<td>Clear</td>
<td>•</td>
</tr>
</tbody>
</table>
### Remin Pro

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

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

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

#### Remin Pro

Not available in Canada

### Remin Pro

#### Light-cured, Nano-filled desensitizer

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

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

#### Presentation
- REF 1651 pack 50 × 0.06 ml SingleDose, 50 Micro Tim
- REF 1652 pack 200 × 0.06 ml SingleDose, 200 Micro Tim
- REF 1650 pack 4.5 ml bottle
- REF 2249 micro tim – 100 pack
- REF 2338 disposable brush holder – 5 pack

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

**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
- Cavity liner under amalgam restorations

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

**Presentation**

<table>
<thead>
<tr>
<th>Flavor</th>
<th>SingleDose</th>
<th>SingleDose</th>
<th>SingleDose</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>50 × 0.4 ml</td>
<td>200 × 0.4 ml</td>
<td>tube 10 ml</td>
</tr>
<tr>
<td>melon</td>
<td>REF 1269</td>
<td>REF 1271</td>
<td>REF 1267</td>
</tr>
<tr>
<td>caramel</td>
<td>REF 2226</td>
<td>REF 2229</td>
<td>REF 2232</td>
</tr>
<tr>
<td>cherry</td>
<td>REF 2227</td>
<td>REF 2230</td>
<td>REF 2233</td>
</tr>
<tr>
<td>mint</td>
<td>REF 2228</td>
<td>REF 2231</td>
<td>REF 2234</td>
</tr>
<tr>
<td>bubble gum</td>
<td>REF 2238</td>
<td>REF 2239</td>
<td></td>
</tr>
</tbody>
</table>

¹ Patti DiGangi, RDH, BS Current Dental Terminology ©2018 American Dental Association. All rights reserved.
Clear 5% Sodium Fluoride Liquid Varnish – especially formulated not to interfere with bleaching procedures

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

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

---

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

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

**Advantages**

- Bifluorid 5’s synthetic resin matrix ensures effective desensitizing during bleaching without interfering with the bleaching results. Your patients will feel immediate relief which makes Bifluorid 5 the product of choice for each bleaching session.

- Thin and clear for perfect esthetics

- Liquid consistency for easy and economical application

- Effective double protection of sodium fluoride and calcium fluoride. The sodium fluoride works immediately while the calcium deposits store and release fluoride over time. The perfect formula for immediate and long-term period.

- Free of glutaraldehyde, gluten or methacrylates

**Presentation**

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

REM-photograph with kind permission of University of Freiburg.

Deep penetration into the tubules.
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™ (Non-Dripping Technology) Syringes and ultra-fine placement cannulas
- Drip-free, bubble-free placement
- Excellent penetration of the deepest pits and fissures
- One radiopaque shade for optimum visibility
- CDT Insurance Code 1351 can be used as a per tooth sealant to prevent decay²

Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adhesion to enamel (after 24 hours of storage in water)</td>
<td>16.9 MPa</td>
</tr>
<tr>
<td>Transverse strength</td>
<td>130 MPa</td>
</tr>
<tr>
<td>Transverse strength after thermocycling</td>
<td>107 MPa</td>
</tr>
<tr>
<td>Wear (ACTA)</td>
<td>41.7 μm</td>
</tr>
<tr>
<td>Filler content</td>
<td>70.2% by weight</td>
</tr>
</tbody>
</table>

Presentation

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

¹US Patent No: 8,641,416 B2  ²Patti DiGangi, RDH, BS Current Dental Terminology©2017/American Dental Association. All rights reserved.
Ready-to-use calcium hydroxide paste

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

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

**Presentation**
- REF 1093 syringe 2.5 g, intraoral tips type 47
- REF 2131 intraoral tips type 47 - 30 pack
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

Calcimol LC

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

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

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

Calcimol LC in the NDT<sup>¹</sup> syringe
• NDT<sup>¹</sup> means Non-Dripping Technology
• Especially for fine-flowing materials
• Can be dosed and applied precisely
• No loss or waste of material

Presentation

REF 1097  base 13 g, catalyst 11 g

Reference

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

*only for indirect pulp capping  <sup>¹</sup>US Patent No: 8,641,416 B2
**LINER/ETCHANT**

**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® syringe saves material
- High fluoride release protects against secondary caries
- High biocompatibility
- Radiopaque

**Presentation**
- REF 1326 pack 3 x 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 Syringe 5 ml, accessories
- REF 1224 Syringe 5 x 2 ml, accessories
- REF 2310 intraoral tips type 42 - 30 pack
- REF 2132 intraoral tips type 48 - 50 pack

¹US Patent No: 8,641,416 B2
**Solobond Plus**

**Light-cured universal dentin/enamel adhesive**

**Indications**
Direct restoration with composite restoratives for all cavity classes
Adhesive cementation of crowns, bridges, inlays, onlays and veneers with resin cement
For light-, self- and dual-curing composites

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

**Technical Data**

<table>
<thead>
<tr>
<th>Bonding strength to:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>- enamel (bovine)</td>
<td>24.2 MPa</td>
</tr>
<tr>
<td>- dentin* (total etch)</td>
<td>31.0 MPa</td>
</tr>
<tr>
<td>- dentin* (no etching)</td>
<td>27.9 MPa</td>
</tr>
</tbody>
</table>

**Presentation**

| REF 1044 | set 4 ml primer, 4 ml adhesive, 5 ml Vocolid syringe, accessories |
| REF 1048 | refill 4 ml primer |
| REF 1049 | refill 4 ml adhesive |

**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
- 10 year proven success record
- Easy dispensing one-drop bottles

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

CTR stands for:
- **C** = chemical bond through complex formation to dentinal calcium
- **C** = a second chemical adhesion mechanism through a special monomer to chemically bound phosphate
- **T** = development of tags in the tubuli
- **R** = retentive adhesion to free collagen fibers
**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

<table>
<thead>
<tr>
<th>Technical Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application time</td>
</tr>
<tr>
<td>Drying time</td>
</tr>
<tr>
<td>Curing time</td>
</tr>
<tr>
<td>Bonding strength to</td>
</tr>
<tr>
<td>– enamel</td>
</tr>
<tr>
<td>– dentin</td>
</tr>
<tr>
<td>Cavity Stress Test</td>
</tr>
<tr>
<td>Tightness before stress</td>
</tr>
<tr>
<td>– enamel</td>
</tr>
<tr>
<td>– dentin</td>
</tr>
<tr>
<td>Tightness after stress*</td>
</tr>
<tr>
<td>– enamel</td>
</tr>
<tr>
<td>– dentin</td>
</tr>
</tbody>
</table>

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

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

---

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

**Presentation**
- REF 1350  bottle 5 ml, accessories
- REF 1351  bottles 3 x 5 ml
- REF 2247  single tim – 100 pack
**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 x 0.1 ml SingleDose, accessories
- REF 1165  pack 200 x 0.1 ml SingleDose, accessories
- REF 1163  set 4 ml liquid 1, 4 ml liquid 2, accessories
- REF 2246  endo tim (for use in root canal) – 50 pack
- REF 2247  single tim – 100 pack

**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

In combination with Futurabond M+ DCA (Dual Cure Activator):
Direct and indirect restorations using any self-cured or dual-cured methacrylate-based restorative, core build-up or luting composite

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

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

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

Dual-cured Universal adhesive

Indications
- Direct and indirect restorations using any light-cured, self-cured or dual-cured methacrylate-based restorative, core build-up or composite
- Intraoral repair of fillings, ceramic veneers and all-ceramic restorations without additional primer
- Treatment of hypersensitive tooth necks
- Protective varnish for glass ionomer cement restorations
- Sealing of cavities prior to amalgam restorations or prior to temporary cementation
- Cementation of root posts with dual-curing or self-curing composites

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

Endo Tim

Indications
- Brushes for applying bonding agents and varnishes into the root canal

Presentation
- REF 1571 pack 50 x 0.1 ml SingleDose, accessories
- REF 1572 pack 200 x 0.1 ml SingleDose, accessories
- REF 1574 Trial Kit 20 x 0.1 ml SingleDose, Vococid Gel 2 ml syringe, accessories
- REF 2246 endo tim (for use in root canal) – 50 pack
- REF 2247 single tim – 100 pack
Resin & Nano-ORMOCER® based Restoratives

An overview of our glass ionomer restorative materials can be found on page 34.
**NANO-HYBRID COMPOSITE**

**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 aesthetic appearance
- Locking, splinting of loosened teeth
- Repairing veneers
- Restoration of deciduous teeth
- Core build-up under crowns
- Composite inlays

**Technical Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filler Content</td>
<td>89% by weight</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>1.61% analogous Watts et al.</td>
</tr>
<tr>
<td>Surface Hardness (HV)</td>
<td>211</td>
</tr>
<tr>
<td>Modulus of Elasticity</td>
<td>16,650 MPa</td>
</tr>
<tr>
<td>Depth of Cure</td>
<td>&gt;2.8 mm/20 s</td>
</tr>
<tr>
<td>Radiopacity</td>
<td>320%</td>
</tr>
<tr>
<td>Resistance to Ambient Light</td>
<td>4'30&quot;</td>
</tr>
<tr>
<td>Gloss</td>
<td>84 GU</td>
</tr>
<tr>
<td>Wear Rate</td>
<td>18 μm</td>
</tr>
<tr>
<td></td>
<td>3 body wear (ACTA 200,000)</td>
</tr>
</tbody>
</table>

**Advantages**
- 89% fillers by weight:
  - Outstanding wear resistance
  - Enhanced color stability
- 30-50% less resin compared to classic hybrid and pseudo nano composites:
  - Low shrinkage of only 1.6 vol.%
  - Non-sticky
  - Prolonged working time under ambient light
- Designer Nano particles:
  - Excellent polishability and polish retention
  - Tooth-like modulus of elasticity
  - Tooth-like thermal expansion and flexural strength
  - VOICO presents its individual cross contamination prevention packaging for capsules

**Presentation**

<table>
<thead>
<tr>
<th>REF 2646</th>
<th>Trial Kit, 8 x 0.25 g Caps (2 x A1, 2 x A2, 2 x A3, 2 x GA3.25) 1 x 1 g GrandioSO Heavy Flow syringe A2, 1 x Dimanto Polisher</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF 2640</td>
<td>Caps Kit, 80 x 0.25 g Caps (A1, A2, A3, GA3.25, B1) shade guide</td>
</tr>
<tr>
<td>REF 2600</td>
<td>Syringe Kit, 5 x 4 g syringes (A1, A2, A3, GA3.25, B1) shade guide</td>
</tr>
<tr>
<td>REF 2607</td>
<td>shade guide</td>
</tr>
<tr>
<td>REF 9301</td>
<td>1 Caps Dispenser refills (1 x 4 g syringe/16 x 0.25 g Caps), each:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shade</th>
<th>1 x 4 g syringe</th>
<th>16 x 0.25 g Caps</th>
<th>Shade</th>
<th>1 x 4 g syringe</th>
<th>16 x 0.25 g Caps</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>REF 2610</td>
<td>REF 2650</td>
<td>D3</td>
<td>REF 2627</td>
<td>REF 2667</td>
</tr>
<tr>
<td>A2</td>
<td>REF 2611</td>
<td>REF 2651</td>
<td>I (Incisal)</td>
<td>REF 2629</td>
<td>REF 2669</td>
</tr>
<tr>
<td>A3</td>
<td>REF 2612</td>
<td>REF 2652</td>
<td>Opaque OA1</td>
<td>REF 2630</td>
<td>REF 2670</td>
</tr>
<tr>
<td>A3.5</td>
<td>REF 2614</td>
<td>REF 2654</td>
<td>Opaque OA2</td>
<td>REF 2631</td>
<td>REF 2671</td>
</tr>
<tr>
<td>A4</td>
<td>REF 2615</td>
<td>REF 2655</td>
<td>Opaque OA3.5</td>
<td>REF 2633</td>
<td>REF 2673</td>
</tr>
<tr>
<td>B1</td>
<td>REF 2619</td>
<td>REF 2659</td>
<td>BL (Bleach)</td>
<td>REF 2635</td>
<td>REF 2675</td>
</tr>
<tr>
<td>B2</td>
<td>REF 2620</td>
<td>REF 2660</td>
<td>GA3.25</td>
<td>REF 2613</td>
<td>REF 2653</td>
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<td>B3</td>
<td>REF 2621</td>
<td>REF 2661</td>
<td>GA5</td>
<td>REF 2616</td>
<td>REF 2656</td>
</tr>
<tr>
<td>C2</td>
<td>REF 2624</td>
<td>REF 2664</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Highly viscous, light-cured, flowable 83% filled Nano-hybrid composite**

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

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

**Technical Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filler Content</td>
<td>83 % by weight 68 % by volume</td>
</tr>
<tr>
<td>Compressive Strength</td>
<td>417 MPa</td>
</tr>
<tr>
<td>Shrinkage</td>
<td>2.96 % analogous, Watts, et al.</td>
</tr>
<tr>
<td>Depth of Cure</td>
<td>&gt;2.5 mm/20 sec.</td>
</tr>
<tr>
<td>Wear Rate</td>
<td>40 μm 3 body wear (ACTA 200,000)</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>159 MPa</td>
</tr>
<tr>
<td>Flexural Modulus</td>
<td>11,850 MPa</td>
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<tr>
<td>Radiopacity</td>
<td>260% AI</td>
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**Presentation**

<table>
<thead>
<tr>
<th>Shade</th>
<th>2 × 2 g syringes</th>
<th>16 × 0.25 g Caps</th>
<th>Shade</th>
<th>2 × 2 g syringes</th>
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</thead>
<tbody>
<tr>
<td>A1</td>
<td>REF 2684</td>
<td>REF 2704</td>
<td>C2</td>
<td>REF 2692</td>
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<tr>
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<td>REF 2685</td>
<td>REF 2705</td>
<td>Opaque OA2</td>
<td>REF 2693</td>
</tr>
<tr>
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<td>REF 2686</td>
<td>REF 2706</td>
<td>I (Incisal)</td>
<td>REF 2694</td>
</tr>
<tr>
<td>A3.5</td>
<td>REF 2687</td>
<td>REF 2707</td>
<td>BL (Bleach)</td>
<td>REF 2695</td>
</tr>
<tr>
<td>A4</td>
<td>REF 2688</td>
<td>REF 2708</td>
<td>WO (White Opaque)</td>
<td>REF 2696</td>
</tr>
<tr>
<td>B1</td>
<td>REF 2690</td>
<td>REF 2712</td>
<td>G5</td>
<td>REF 2689</td>
</tr>
<tr>
<td>B2</td>
<td>REF 2691</td>
<td></td>
<td>GrandioSO shade guide</td>
<td>REF 2607</td>
</tr>
</tbody>
</table>

¹US Patent No: 8,641,416 B2
**Light-cured, flowable 81% filled Nano-hybrid composite**

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

**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
- Thixo-tropic material that will "flow on demand" without slumping
- Precise application with long bendable tip
- Natural esthetics and exact shade matching with Grandio®
- Radiopaque
- Patented NDT® (Non-Dripping Technology) Syringes

**Technical Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filler content</td>
<td>81% by weight</td>
<td>65% by volume</td>
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<tr>
<td>Wear rate</td>
<td>48 μm</td>
<td>(ACTA method: 200,000 cycles)</td>
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<tr>
<td>Flexural strength</td>
<td>159 MPa</td>
<td>ISO 4049</td>
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<tr>
<td>Modulus of Elasticity</td>
<td>10,580 MPa</td>
<td>ISO 4049</td>
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<tr>
<td>Radiopacity</td>
<td>250% Al</td>
<td>ISO 4049</td>
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<td>Radiopacity WO</td>
<td>500% Al</td>
<td>ISO 4049</td>
</tr>
<tr>
<td>Depth of cure</td>
<td>&gt; 2.51 mm / 20 sec.</td>
<td>ISO 4049</td>
</tr>
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</table>

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

<table>
<thead>
<tr>
<th>Shade</th>
<th>2 × 2 g syringe intraoral tips type 41</th>
<th>16 × 0.25 g Caps</th>
<th>2 × 2 g syringe intraoral tips type 41</th>
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<tbody>
<tr>
<td>A1</td>
<td>REF 2722</td>
<td>REF 2742</td>
<td>REF 2770</td>
</tr>
<tr>
<td>A2</td>
<td>REF 2723</td>
<td>REF 2743</td>
<td>REF 2732</td>
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<tr>
<td>A3</td>
<td>REF 2724</td>
<td>REF 2744</td>
<td>REF 2733</td>
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<td>A3.5</td>
<td>REF 2725</td>
<td>REF 2745</td>
<td>REF 2734</td>
</tr>
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<td>A4</td>
<td>REF 2726</td>
<td>REF 2746</td>
<td>REF 2736</td>
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<td>B1</td>
<td>REF 2729</td>
<td>REF 2749</td>
<td>REF 2737</td>
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<td>B4</td>
<td>REF 2774</td>
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<td>B5</td>
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<tr>
<td>B7</td>
<td>REF 2777</td>
<td>REF 2777</td>
<td>REF 2777</td>
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</tbody>
</table>

¹US Patent No: 8,641,416 B2
Universal light-cured 87% filled Nano-hybrid composite for anterior and posterior fillings of all classes

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

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

**Technical Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Filler content</td>
<td>87% by weight</td>
</tr>
<tr>
<td></td>
<td>71.4% by vol.</td>
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<tr>
<td>Shrinkage</td>
<td>1.57% by vol.</td>
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<tr>
<td>Surface hardness</td>
<td>285 MHV</td>
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<tr>
<td>Wear rate</td>
<td>14 μm</td>
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<tr>
<td>Depth of cure</td>
<td>3 mm/20 sec.</td>
</tr>
<tr>
<td>Radiopacity</td>
<td>250% Al</td>
</tr>
</tbody>
</table>

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

Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Filler Degree</td>
<td>80% by weight</td>
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<tr>
<td>Volumetric Shrinkage</td>
<td>2.0%</td>
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<tr>
<td>ACTA Wear Rate (200,000 cycles)</td>
<td>45 μm</td>
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<tr>
<td>Flexural Strength (ISO 4049)</td>
<td>120 MPa</td>
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<tr>
<td>Compressive Strength</td>
<td>375 MPa</td>
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<tr>
<td>Diametral Tensile Strength (DTS)</td>
<td>51 MPa</td>
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<tr>
<td>Radiopacity (ISO 4049)</td>
<td>210 % Al</td>
</tr>
<tr>
<td>Translucent shades (10 sec.)</td>
<td>&gt; 2.5 mm</td>
</tr>
<tr>
<td>Opaque shades (40 sec.)</td>
<td>&gt; 2.0 mm</td>
</tr>
</tbody>
</table>

Presentation

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
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<tbody>
<tr>
<td>REF 1930</td>
<td>Amaris kit, 8 x 4 g syringes (O1, O2, O3, O4, O5, TL, TN, TD), 2 x 1.8 g syringes Amaris Flow (HT, HO), accessories</td>
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<tr>
<td>REF 1950</td>
<td>Amaris Caps kit, 16 x 0.25 g Caps (each O1, O2, O3, O4, O5, TL, TN, TD), 2 x 1.8 g syringes Amaris Flow (HT, HO), accessories</td>
</tr>
<tr>
<td>REF 1949</td>
<td>Amaris Caps starter kit, 4 x 0.25 g Caps (each O1, O2, O3, O4, O5), 2 x 1.8 g syringes Amaris Flow (HT, HO), accessories</td>
</tr>
<tr>
<td>REF 2144</td>
<td>Intraoral tips type 44 – 100 pack</td>
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<tr>
<td>REF 1969</td>
<td>Shade guide</td>
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<tr>
<td>REF 1931</td>
<td>1 Caps Dispenser</td>
</tr>
<tr>
<td>REF 1933</td>
<td>shade, 1 x 4 g syringe</td>
</tr>
<tr>
<td>REF 1953</td>
<td>shade, 16 x 0.25 g Caps</td>
</tr>
<tr>
<td>REF 1934</td>
<td>shade, 1 x 4 g syringe</td>
</tr>
<tr>
<td>REF 1954</td>
<td>shade, 16 x 0.25 g Caps</td>
</tr>
<tr>
<td>REF 1935</td>
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<tr>
<td>REF 1955</td>
<td>shade, 16 x 0.25 g Caps</td>
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<tr>
<td>REF 1936</td>
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<td>REF 1956</td>
<td>shade, 16 x 0.25 g Caps</td>
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<td>REF 1937</td>
<td>shade, 1 x 4 g syringe</td>
</tr>
<tr>
<td>REF 1957</td>
<td>shade, 16 x 0.25 g Caps</td>
</tr>
</tbody>
</table>

Shade selection:
- Selecting of opaque shade
- Initial situation
- Applying opaque layer
- Selecting of opaque shade
- Final esthetic restoration

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

US Patent No: 8,641,416 B2
**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 opaquers 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® Syringe technology

**Presentation**

Ref 1970 Amaris Gingiva set, 3 x 1.2 g opaque in the colors white, light and dark, 1 x 4 g basic color “nature”, accessories

Ref 1971 Amaris Gingiva refill, 1 x 4 g color “nature”

Ref 2147 intraoral tips type 45 – 100 pack
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 classic monomers for higher biocompatibility (no BISGMA, UDMA, TEGDMA, etc.)
• Nano-ORMOCER® technology reduces shrinkage and shrinkage stress by up to 50% compared to composites and leads to outstanding shade stability
• Non-sticky consistency for easy handling
• Perfect balance of translucency and opacity for natural looking restorations
• Easy to polish to a high shine luster
• High 84% fill rate for high wear resistance
• Compatible with all conventional bonding agents
• VOCO presents its individual cross contamination prevention packaging for capsules

Presentation

<table>
<thead>
<tr>
<th>shade</th>
<th>1 x 3 g syringe</th>
<th>15 x 0.2 g Caps</th>
<th>shade</th>
<th>1 x 3 g syringe</th>
<th>15 x 0.2 g Caps</th>
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</thead>
<tbody>
<tr>
<td>A1</td>
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<td>Opaque OA1</td>
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<td>REF 2756</td>
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<td>REF 2759</td>
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<td>Bl (Bleach)</td>
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<td>REF 2803</td>
</tr>
<tr>
<td>B1</td>
<td>REF 2762</td>
<td>REF 2790</td>
<td>I (Incisal)</td>
<td>REF 2776</td>
<td>REF 2804</td>
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<tr>
<td>B2</td>
<td>REF 2763</td>
<td>REF 2791</td>
<td>Mixed*</td>
<td>n/a</td>
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<tr>
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<td>REF 2792</td>
<td>GA3.25</td>
<td>REF 2757</td>
<td>REF 2785</td>
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<tr>
<td>C2</td>
<td>REF 2766</td>
<td>REF 2794</td>
<td>GA5</td>
<td>REF 2760</td>
<td>REF 2788</td>
</tr>
<tr>
<td>D3</td>
<td>REF 2768</td>
<td>REF 2796</td>
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<td></td>
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</tbody>
</table>

*3 each of B1, C2, D3, Bl. Incisal

Technical Data

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Filler Degree</td>
<td>84.0 % w/w</td>
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<tr>
<td>Shrinkage</td>
<td>1.25 Vol. %</td>
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<tr>
<td>Shrinkage stress</td>
<td>3.71 MPa analogous</td>
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<td>3-Point-flexural strength</td>
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<td>9,800 MPa</td>
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<td>Compressive strength</td>
<td>307 MPa analogous</td>
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<td>Edge stability</td>
<td>171.9 N</td>
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<tr>
<td>Radiopacity</td>
<td>305 %</td>
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<tr>
<td>Resistance to ambient light</td>
<td>198 s</td>
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<tr>
<td>Water uptake</td>
<td>13.4 μg / mm³</td>
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<td>Solubility in water</td>
<td>≤ 0.1 μg / mm³</td>
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<tr>
<td>Thermal expansion coefficient α</td>
<td>40.3 *10⁻⁶ / K</td>
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<tr>
<td>Curing depth</td>
<td>2.71 mm / 20 s</td>
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<tr>
<td>Tensile bond strength on enamel (with Futurabond M+; Self-Etch mode)</td>
<td>30.04 MPa</td>
</tr>
<tr>
<td>Tensile bond strength on dentin (with Futurabond M+; Self-Etch mode)</td>
<td>23.82 MPa</td>
</tr>
</tbody>
</table>
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
- Lining cavities

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

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

Technical Data

<table>
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<td>Filler degree</td>
<td>74.0 % w/w</td>
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<td>Compressive strength</td>
<td>281 MPa analogous</td>
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<td>Shrinkage</td>
<td>2.75 Vol. % analogous</td>
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<td>Shrinkage stress</td>
<td>7.27 MPa analogous</td>
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<td>Radiopacity</td>
<td>240 % Al</td>
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<td>Resistance to ambient light</td>
<td>meets standard</td>
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<tr>
<td>Water uptake</td>
<td>12 μg / mm³</td>
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<tr>
<td>Solubility in water</td>
<td>&lt; 0.1 μg / mm²</td>
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<tr>
<td>Modulus of elasticity</td>
<td>5,771 MPa</td>
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<tr>
<td>Curing depth</td>
<td>2.66 mm / 20 s</td>
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<tr>
<td>Surface hardness (Micro-Vickers)</td>
<td>86 MHV</td>
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<tr>
<td>Diometrical tensile strength</td>
<td>66 MPa</td>
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¹US Patent No: 8,641,416 B2

<table>
<thead>
<tr>
<th>Shade</th>
<th>2 x 2 g syringes</th>
<th>Shade</th>
<th>2 x 2 g syringes</th>
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<tr>
<td>A1</td>
<td>REF 2818</td>
<td>B2</td>
<td>REF 2825</td>
</tr>
<tr>
<td>A2</td>
<td>REF 2819</td>
<td>C2</td>
<td>REF 2826</td>
</tr>
<tr>
<td>A3</td>
<td>REF 2820</td>
<td>I (Incisal)</td>
<td>REF 2828</td>
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<tr>
<td>A3.5</td>
<td>REF 2821</td>
<td>Opaque OA2</td>
<td>REF 2829</td>
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<tr>
<td>A4</td>
<td>REF 2822</td>
<td>BL (Bleach)</td>
<td>REF 2831</td>
</tr>
<tr>
<td>B1</td>
<td>REF 2824</td>
<td>WO (White Opaque)</td>
<td>REF 2832</td>
</tr>
</tbody>
</table>
Admira Fusion x-tra

Nano-ORMOCER® bulk-fill restorative material

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

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

Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Filler degree</td>
<td>84.0% w/w</td>
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<tr>
<td>Shrinkage</td>
<td>1.25 Vol. % analogous</td>
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<tr>
<td>Shrinkage stress</td>
<td>3.87 MPa analogous</td>
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<td>3-Point-flexural strength</td>
<td>136 MPa</td>
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<tr>
<td>Compressive strength</td>
<td>307 MPa analogous</td>
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<tr>
<td>Modulus of elasticity</td>
<td>10,090 MPa</td>
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<td>Curing depth</td>
<td>4.05 mm / 20 s</td>
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<tr>
<td>Radiopacity</td>
<td>296 % Al</td>
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<tr>
<td>Water uptake</td>
<td>≤ 0.1 μg / mm²</td>
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<tr>
<td>Solubility in water</td>
<td>≤ 0.1 μg / mm²</td>
</tr>
</tbody>
</table>

Presentation

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

**NANO-ORMOCER® flowable base restorative material**

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

**Advantages**

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

**Technical Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>3-Point flexural strength</td>
<td>104 MPa</td>
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<tr>
<td>Compressive strength</td>
<td>256 MPa analogous</td>
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<td>Modulus of elasticity</td>
<td>5,698 MPa</td>
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<tr>
<td>Polymerization shrinkage</td>
<td>2.5% w/v analogous</td>
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<tr>
<td>Radiopacity</td>
<td>250 % Al</td>
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<tr>
<td>Water absorption</td>
<td>16.36 μg/mm²</td>
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<tr>
<td>Water solubility</td>
<td>&lt;0.1 μg/mm²</td>
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<tr>
<td>Filler content</td>
<td>72.0% w/w</td>
</tr>
<tr>
<td>Depth of curing</td>
<td>4.49 mm/20 s</td>
</tr>
<tr>
<td>Thermal expansion coefficient</td>
<td>54.7·10⁻⁶·K⁻¹</td>
</tr>
</tbody>
</table>

**Presentation**

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

*Source: Prof Dr. Watts, University of Manchester, England, 2002*
x-tra fil

Fast bulk-fill packable posterior composite

Indications
Restorations Class I and II
Core build-up

Technical Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Volumetric Shrinkage</td>
<td>1.7 %</td>
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<tr>
<td>Surface Hardness</td>
<td>142 MHV</td>
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<tr>
<td>Wear (ACTA)</td>
<td>43 μm</td>
</tr>
<tr>
<td>Flexural Strength</td>
<td>142 MPa</td>
</tr>
<tr>
<td>Radiopacity</td>
<td>330 % Al</td>
</tr>
<tr>
<td>Filler Content</td>
<td>86 % by weight</td>
</tr>
</tbody>
</table>

Advantages

- **x-tra fast**
  - 4 mm cure in 10 sec
  - Use with Futurabond NR/DC/U SingleDose to bond, fill and cure 4 mm in less than 60 sec.

- **x-tra durable**
  - Low shrinkage of 1.7 % through multi-hybrid filler technology
  - 86% filled by weight for great wear resistance

- **x-tra easy**
  - One universal shade fits all. High translucency provides excellent chameleon effect for good esthetics
  - Highly radiopaque (330 % Al)
  - Perfect for fast core build-ups

- **x-tra safe**
  - VOCO presents its individual cross contamination prevention packaging for capsules

Clinical Case

Source: Dr. Ulrich Sachse, Kiel

Presentation

REF 1740 Pack 1 x 5 g syringe, shade universal
REF 1741 Pack 20 x 0.25 g caps, shade universal
REF 9301 1 Caps Dispenser
Fast bulk-fill flowable posterior composite

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

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

*Universal shade

Technical Data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
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<tbody>
<tr>
<td>Filler Content</td>
<td>75% by weight</td>
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<tr>
<td>Shrinkage Stress</td>
<td>5.93 MPa</td>
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<tr>
<td>Volumetric Shrinkage</td>
<td>2.54%</td>
</tr>
<tr>
<td>Surface Hardness</td>
<td>100 MHV</td>
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<tr>
<td>Wear (ACTA)</td>
<td>46.1 μm</td>
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<tr>
<td>Flexural Strength after TC</td>
<td>141 MPa</td>
</tr>
<tr>
<td>Radiopacity</td>
<td>350% Al</td>
</tr>
</tbody>
</table>

Presentation

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

US Patent No. 8,641,416 B2
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**

<table>
<thead>
<tr>
<th>REF</th>
<th>Description</th>
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<tbody>
<tr>
<td>1680</td>
<td>kit 40 x 0.25 g Caps in eight different colors, color guide</td>
</tr>
<tr>
<td>9301</td>
<td>Caps Dispenser</td>
</tr>
</tbody>
</table>

- refill pack 25 x 0.25 g Caps each:
  - REF 1681 shade “Gold”
  - REF 1682 shade “Silver”
  - REF 1683 shade “Blue”
  - REF 1684 shade “Pink”
  - REF 1685 shade “Green”
  - REF 1686 shade “Orange”
  - REF 1687 shade “Lemon”
  - REF 1688 shade “Berry”
  - REF 1689 Color Guide

**Technical Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Standard</th>
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<tr>
<td>Transverse strength</td>
<td>110 MPa</td>
<td>(ISO 4049)</td>
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<tr>
<td>Compressive strength</td>
<td>316 MPa</td>
<td>(ISO 9917)</td>
</tr>
<tr>
<td>Wear</td>
<td>14.6 μm</td>
<td>(ACTA 250,000 cycles)</td>
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<tr>
<td>Filler by weight</td>
<td>77.8%</td>
<td>(DIN 13922)</td>
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<tr>
<td>Polymerization Shrinkage</td>
<td>2.00 vol %</td>
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</tr>
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</table>
Caps Warmer

Preheating device for composite caps

Indications
Device for warming composite caps

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

Presentation
REF 9001 Caps Warmer

Celalux 3

High intensity, light-weight, cordless LED curing light

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

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

Technical Data

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Wavelength range</td>
<td>450–480 nm</td>
</tr>
<tr>
<td>Light intensity (output)</td>
<td>1,300 mW/cm²</td>
</tr>
<tr>
<td>Total Operation Time</td>
<td>&gt; 45 cycles of 20 sec. cures with full charged battery</td>
</tr>
<tr>
<td>Operating voltage</td>
<td>100-240 V AC 50/60 Hz</td>
</tr>
<tr>
<td>Handpiece length</td>
<td>Ø 12.6 mm x L 210 mm</td>
</tr>
<tr>
<td>Handpiece weight</td>
<td>70 g (incl. device base and light guide)</td>
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</table>

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.
**Polishers/Interdental Wedges**

**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

**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.) |

**Curvy®**

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

**Indications**

Auxiliary device for restorative therapy using matrices of all types

**Advantages**

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

**Use with a matrix strip:**

Insertion of the wedge from oral (blue) or vestibular (orange).

**Use with a Tofflemire matrix band:**

Insertion of the wedge from oral (blue) or vestibular (orange).

**Presentation**

| REF 2060 | Curvy kit 6 x 52 pieces mixed (small, medium & large) |
| REF 2061 | Curvy 6 x 52 pcs. small |
| REF 2062 | Curvy 6 x 52 pcs. medium |
| REF 2063 | Curvy 6 x 52 pcs. large |
| REF 2064 | Curvy 6 x 52 pcs. extra large |
Resin-impregnated, light-cured glass fiber reinforced strands for use in the dental adhesive technique

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

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

Presentation
REF 1168 5 glass fiber strands 55 mm each

Technical Data

| Test Type                        | Value         | Reference
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>3-point Flexural Strength (2 x 2)</td>
<td>655 MPa</td>
<td>analogous ISO 4049</td>
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<tr>
<td>(in combination with Grandio Flow)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modulus of Elasticity (2 x 2)</td>
<td>13,600 MPa</td>
<td>derived from flexural strength test</td>
</tr>
<tr>
<td>(in combination with Grandio Flow)</td>
<td></td>
<td></td>
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### Restoratives (Glass Ionomer Materials)

<table>
<thead>
<tr>
<th>Page</th>
<th>Light-cured glass ionomer restorative materials</th>
<th>working time (min.)</th>
<th>setting time (min.)</th>
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</thead>
<tbody>
<tr>
<td>12</td>
<td>IonoSeal</td>
<td></td>
<td>light-curing: 20 s</td>
</tr>
<tr>
<td>35</td>
<td>Ionolux</td>
<td></td>
<td>&gt; 3</td>
</tr>
<tr>
<td>36</td>
<td>IonoStar Plus</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>37</td>
<td>IonoStar Molar</td>
<td>1.5</td>
<td>3–4</td>
</tr>
</tbody>
</table>

1. non-occlusion-bearing
2. semi-permanent
3. small fillings

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

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
Lining

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
<table>
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<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>REF 2115</td>
<td>Kit application capsule 50 pcs. (10 × A1, 30 × A2, 10 × A3)</td>
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<td>REF 2117</td>
<td>Application capsule 20 pcs. A1</td>
</tr>
<tr>
<td>REF 2118</td>
<td>Application capsule 20 pcs. A2</td>
</tr>
<tr>
<td>REF 2119</td>
<td>Application capsule 20 pcs. A3</td>
</tr>
<tr>
<td>REF 2120</td>
<td>Application capsule 20 pcs. A3.5</td>
</tr>
<tr>
<td>REF 2121</td>
<td>Application capsule 20 pcs. B1</td>
</tr>
<tr>
<td>REF 2122</td>
<td>Bulk Pack: Application capsule 150 pcs. A2</td>
</tr>
<tr>
<td>REF 2123</td>
<td>Bulk Pack: Application capsule 150 pcs. A3</td>
</tr>
<tr>
<td>REF 2331</td>
<td>1 AC Applicator Type 1</td>
</tr>
<tr>
<td>REF 2334</td>
<td>1 AC Applicator Type 2</td>
</tr>
</tbody>
</table>
Fast-setting glass ionomer restorative material

**Indications**
- Restorations of non-occlusal bearing Class I cavities
- Semi-permanent restorations of Class I and II cavities
- Restorations of cervical lesions, Class V cavities, root caries
- Restorations of Class III cavities
- Restoration of deciduous teeth
- Base / Liner
- Core build-up
- Temporary restorations
- Extended fissure sealing

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

**Presentation**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>REF 2540</td>
<td>Kit application capsules 50 pcs. (10 x A1, 30 x A2, 10 x A3)</td>
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<tr>
<td>REF 2548</td>
<td>Application capsules 20 pcs. A1</td>
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<tr>
<td>REF 2543</td>
<td>Application capsules 20 pcs. A2</td>
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<tr>
<td>REF 2547</td>
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<tr>
<td>REF 2331</td>
<td>1 AC Applicator Type 1</td>
</tr>
<tr>
<td>REF 2334</td>
<td>1 AC Applicator Type 2</td>
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</tbody>
</table>

GLASS Ionomer RESTORATIVE

**IonoStar Plus**

- Restorations of non-occlusal bearing Class I cavities
- Semi-permanent restorations of Class I and II cavities
- Restorations of cervical lesions, Class V cavities, root caries
- Restorations of Class III cavities
- Restoration of deciduous teeth
- Base / Liner
- Core build-up
- Temporary restorations
- Extended fissure sealing

**Advantages**
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**Glass ionomer restorative material**

**Indications**
- Restorations of non-occlusal bearing Class I cavities
- Semi-permanent restorations of Class I and II cavities
- Restorations of cervical lesions, Class V cavities, root caries
- Restorations of Class III cavities
- Restoration of deciduous teeth
- Base / Liner
- Core build-up
- Temporary restorations

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

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

---

**Capsule mixing device**

**Indications**
- Device for mixing powder and liquid in application capsules

**Advantages**
- High oscillating frequency of 4,600 rpm, creating a particularly homogeneous mixture of powder and liquid
- Modern design
- Capsule holder allows simple insertion and removal of capsules
- User-friendly
- Quiet and practically vibration-free
- Mixing times can be freely selected between 1 and 99 seconds

**Presentation**
- REF 9050  GIC Mixer - 1 pc.
Light-cured varnish for sealing of glass ionomer fillings

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

**Advantages**
- Finish temporary and permanent restorations in seconds

---

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**

**Final Varnish LC**
REF 1241 Pack 2 x 3 ml bottles

**Easy Glaze®**

**Presentation**

REF 1016 bottle 5 ml, accessories
REF 2245 easy brushes – 50 pack
**V-Posil Heavy Soft Fast · V-Posil Putty Fast**

**Time optimized VPS tray material**

**Indications**

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

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

**Advantages**

- Up to 2-minutes of adjustable working time- gives control over the pace of the procedure, while the abbreviated 2-minutes thermo-activated set time saves time and improves patient comfort
- The rapid snap set reduces the time in the critical zone by up to 50% minimizing potential distortion due to human error resulting in less re-takes
- Heavy Soft Fast material offers an optimal viscosity to load the tray but remains soft enough after it sets for easy removal from the mouth
- Lab technicians will appreciate the post-set hydrophilicity (<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**

<table>
<thead>
<tr>
<th>V-Posil Heavy Soft Fast</th>
<th>V-Posil Putty Fast</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF 2565 Cartridge 1 x 380 ml, mixing tips type 30</td>
<td>REF 2561 Jar 2 x 450 ml</td>
</tr>
<tr>
<td>REF 2566 Cartridge 2 x 380 ml</td>
<td>REF 2562 Jar 8 x 450 ml</td>
</tr>
<tr>
<td>REF 2567 Cartridge 2 x 50 ml, mixing tips type 16</td>
<td>REF 2196 mixing tips type 16 – 50 pack (50 ml)</td>
</tr>
<tr>
<td>REF 2568 Cartridge 10 x 50 ml</td>
<td>REF 2203 mixing tips type 30 – 50 pack (380 ml)</td>
</tr>
</tbody>
</table>
**VPs iMPREssiON MATERiAL**

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

**Time optimized VPS impression system**

**Indications**

V-Posil Light Fast & V-Posil X-Light Fast are used as syringeable impression materials for:

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

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

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

**Advantages**

- Excellent flow without slumping
- Up to 2-minutes of adjustable working time- gives control over the pace of the procedure, while the abbreviated 2-minute thermo-activated set time saves time and improves patient comfort
- Setting times of the light body wash and heavy body tray materials are synchronized (match)
- The rapid snap set reduces the time in the critical zone by up to 50% minimizing potential distortion due to human error resulting in less re-takes
- Due to its low polyether-like contact angle of less than 10°, V-Posil’s superior hydrophilicy displaces fluids (saliva, blood, etc.) creating an enhanced contact to the dental anatomy-yielding more precise impressions
- Lab technicians will appreciate the post-set hydrophilicy (< 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**

<table>
<thead>
<tr>
<th>V-Posil Light Fast</th>
<th>V-Posil X-Light Fast</th>
<th>V-Posil Mono Fast</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF 2573 Cartridge 2 × 50 ml, mixing tips type 7</td>
<td>REF 2575 Cartridge 2 × 50 ml, mixing tips type 7</td>
<td>REF 2569 Cartridge 1 × 380 ml, mixing tips type 30</td>
</tr>
<tr>
<td>REF 2574 Cartridge 10 × 50 ml</td>
<td>REF 2576 Cartridge 10 × 50 ml, mixing tips type 7 – 50 pack</td>
<td>REF 2570 Cartridge 2 × 380 ml</td>
</tr>
<tr>
<td>REF 2186 intraoral tips type 3 – 50 pack</td>
<td>REF 2186 intraoral tips type 7 – 50 pack</td>
<td>REF 2186 Cartridge 10 × 50 ml, mixing tips type 16</td>
</tr>
<tr>
<td>REF 2141 intraoral tips type 3 – 50 pack</td>
<td>REF 2141 intraoral tips type 7 – 50 pack</td>
<td>REF 2196 mixing tips type 16 – 50 pack (50 ml)</td>
</tr>
<tr>
<td>REF 2196 mixing tips type 16 – 50 pack (50 ml)</td>
<td>REF 2203 mixing tips type 30 – 50 pack (380 ml)</td>
<td>REF 2203 mixing tips type 6 – 50 pack</td>
</tr>
</tbody>
</table>

*Source: Prof Dr. Watts, University of Manchester, England, 2002*
**V-Posil Adhesive**

**Tray adhesive for VPS impression materials**

**Indications**
Bonding of VPS impression materials to metal and acrylic trays

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

**Presentation**
REF 2578  Bottle 10 ml

---

**VOCO Dynamic Dispenser**

**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
Extra hard, fast and flexible bite registration A-silicone

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

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

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

**Transparent A-silicone fast-setting bite registration material**

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

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

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

### Registrado Scan

**Scannable addition-curing silicone bite registration material**

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

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

**Presentation**
- REF 2038  pack 1 x 50 ml 1:1 cartridge, accessories
- REF 2158  Type 2 dispenser
- REF 2196  mixing tips type 16 – 50 pack
- REF 2140  intraoral tips type 2 – 50 pack
**Nano-ceramic hybrid CAD/CAM block**

**Indications**
Crowns, inlays, onlays, veneers
Implant supported crowns

**Gr. 12**
- 10.5 mm
- 12.5 mm
- 16 mm

**Gr. 14L**
- 10.4 mm
- 12.4 mm
- 14.8 mm
- 18 mm

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

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

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

<table>
<thead>
<tr>
<th>Shade</th>
<th>5 × Gr. 12 Low translucent (LT)</th>
<th>5 × Gr. 12 High translucent (HT)</th>
<th>Shade</th>
<th>5 × Gr. 14L Low translucent (LT)</th>
<th>5 × Gr. 14L High translucent (HT)</th>
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<tbody>
<tr>
<td>A1 LT</td>
<td>REF 6003</td>
<td>A1 HT</td>
<td>A1 LT</td>
<td>REF 6012</td>
<td>A1 HT</td>
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<tr>
<td>A2 LT</td>
<td>REF 6004</td>
<td>A2 HT</td>
<td>A2 LT</td>
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<tr>
<td>A3 LT</td>
<td>REF 6005</td>
<td>A3 HT</td>
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<td>A3 HT</td>
</tr>
<tr>
<td>A3.5 LT</td>
<td>REF 6006</td>
<td>A3.5 HT</td>
<td>A3.5 LT</td>
<td>REF 6015</td>
<td>A3.5 HT</td>
</tr>
<tr>
<td>B1 LT</td>
<td>REF 6007</td>
<td>Mixed (each 1x A1 LT, B1 LT, C2 LT, BL LT, A1 HT)</td>
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<td>REF 6022</td>
<td>Mixed (each 1x A1 LT, B1 LT, C2 LT, BL LT, A1 HT)</td>
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<td>C2 LT</td>
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<td>C2 LT</td>
<td>REF 6023</td>
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<tr>
<td>BL LT</td>
<td>REF 6009</td>
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<td>BL LT</td>
<td>REF 6024</td>
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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 required for true one appointment dentistry
- Easy intraoral polishability, characterization and repair

**Technical Data**

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<td>Two-body-wear (specimen)</td>
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<td>308 % Al</td>
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<th>Low translucent (LT) Ø 98.4 mm, 15 mm</th>
<th>Shade</th>
<th>High translucent (HT) Ø 98.4 mm, 15 mm</th>
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<tbody>
<tr>
<td>A1 LT</td>
<td>REF 6050</td>
<td>A1 HT</td>
<td>REF 6057</td>
</tr>
<tr>
<td>A2 LT</td>
<td>REF 6051</td>
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<td>A3 LT</td>
<td>REF 6052</td>
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<td>REF 6059</td>
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<td>A3.5 LT</td>
<td>REF 6053</td>
<td>A3.5 HT</td>
<td>REF 6060</td>
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</tbody>
</table>
COMPOSITE INLAY SYSTEM

GrandioSO Inlay System

Chairside fabrication of indirect composite inlays

Indications
One office visit composite inlay system

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

Presentation

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

**Clip**

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

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

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

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

**Clip Flow**

**Indications**
- Temporary inlay and onlay treatments of the cavity
- Sealing of openings for implant screws
- Relining material for temporary crowns and bridges
- Block out material for retentive areas in the dental arch, e.g. before taking impressions
- Covering of the gingival margin
- Fixing of resin matrices during filling placement
- Temporary filling of cavities

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

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

US Patent No: 8,641,416 B2
Medium retention non-eugenol temporary cement with calcium hydroxide in syringes, cartridges or tubes

**Indications**
Temporary cementation of crowns and bridges

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

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

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

Strong retention non-eugenol temporary cement with calcium hydroxide

**Indications**
Temporary cementation of provisional restorations (crowns, bridges, inlays and onlays)
Temporary cementation of definitive restorations (crowns, bridges, inlays and onlays)
Temporary obturation of small single-surface cavities

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

**Presentation**
| REF 1098 | QuickMix syringe 5 ml, accessories |
| REF 2189 | mixing tips type 10 – 50 pack |
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 chemical-cure mode – fast working
- 5 µm film thickness – no “jack-ups” of temporaries
- Short mixing tip – less waste

Presentation
REF 1055  QuickMix syringe 5 ml universal, accessories
REF 2188  mixing tips type 9 – 50 pack
Nano-filled, quick setting, strong temporary crown & bridge material with “Wipe & Go” Technology

**Indications**

Fabrication of temporary crowns, bridges, inlays, onlays, partial crowns, veneers and temporary posts

Fabrication of long-term temporaries

Lining of pre-fabricated temporary crowns made from composite materials, polycarbonate or metal

**Advantages**

- **1. Fast and Economical**
  - No more polishing – just wipe with alcohol for a brilliant gloss
  - Only 45 sec. intra-oral setting time
  - Small mixing tips and no more “bleeding” before changing mixing tips yields at least 20 more units per cartridge compared to 10:1 and 4:1 products

- **2. Durable**
  - High fracture resistance and compressive strength
  - Suited for long-span bridges and long-term provisionals

- **3. Aesthetic**
  - Natural gloss and tooth-like fluorescence
  - Color stable for long-term use
  - Available in eight VITA matching shades

**Technical Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Working time</td>
<td>30–50 sec.</td>
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<tr>
<td>Intraoral Setting Time</td>
<td>40–70 sec.</td>
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<tr>
<td>E-modulus</td>
<td>1,900 MPa</td>
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<tr>
<td>Diametral Tensile Strength</td>
<td>48 MPa</td>
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<tr>
<td>Compressive Strength</td>
<td>509 MPa</td>
</tr>
<tr>
<td>3-point Flexural Strength</td>
<td>113 MPa</td>
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<tr>
<td>Fluorescence</td>
<td>Yes</td>
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<tr>
<td>Setting temperature</td>
<td>max. 3.6 °F above mouth temp.</td>
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**Presentation**

<table>
<thead>
<tr>
<th>Shade</th>
<th>Cartridge 50 ml, mixing tips type 6</th>
<th>Shade</th>
<th>Cartridge 50 ml, mixing tips type 6</th>
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<tbody>
<tr>
<td>A1</td>
<td>REF 2503</td>
<td>B1</td>
<td>REF 2507</td>
</tr>
<tr>
<td>A2</td>
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<td>REF 2508</td>
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<td>REF 2505</td>
<td>C2</td>
<td>REF 2509</td>
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<td>A3.5</td>
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<table>
<thead>
<tr>
<th>Shade</th>
<th>QuickMix syringe 5 ml, mixing tips type 10</th>
<th>Shade</th>
<th>QuickMix syringe 5 ml, mixing tips type 10</th>
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<tbody>
<tr>
<td>A1</td>
<td>REF 2515</td>
<td>A3</td>
<td>REF 2517</td>
</tr>
<tr>
<td>A2</td>
<td>REF 2516</td>
<td>B1</td>
<td>REF 2518</td>
</tr>
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</table>

**Structur 3 QuickMix syringe**

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
TEMPORARY C & B

**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.)

**Technical Data**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
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<td>Setting time in mouth</td>
<td>30-45 sec.</td>
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<td>Transverse strength (10 min.)</td>
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<td>Transverse strength (7 days water storage)</td>
<td>119 MPa</td>
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<tr>
<td>Flexural module</td>
<td>2,500 MPa</td>
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<td>Compressive strength</td>
<td>450 MPa</td>
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<td>Diametral tensile strength</td>
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**Presentation**

<table>
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<th>shade</th>
<th>pack 75 g safety cartridge, mixing tips type 6</th>
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<td>A1</td>
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<td>B3</td>
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REF 1719  bulk pack 5 × 75 g cartridges, shade A3, mixing tips type 6
REF 2185  mixing tips type 6 (Cartridge) – 50 pack

Source: Images are a courtesy of Dr. Frank Milnar
Indications
Temporary crowns, bridges, inlays and onlays

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

Presentation
REF 1499 intro kit 75 g cartridge shade A2, dispenser type 2, mixing tips type 6
REF 1478 intro kit 75 g cartridge shade A3, dispenser type 2, mixing tips type 6
REF 1492 bulk pack 5 x 75 g cartridges shade A2, mixing tips type 6
REF 1491 bulk pack 5 x 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

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<td>B3</td>
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# Core-Build Up/Cements

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<th>Type</th>
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<th>Inlays / Onlays</th>
<th>Crowns</th>
<th>Bridges</th>
<th>Maryland bridges</th>
<th>Veneers</th>
<th>Posts</th>
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<td>Core-Build Up / Cement Material</td>
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<td>Grandio Core Dual Cure</td>
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<td>QuickMix</td>
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<td>Meron GIC¹</td>
<td>capsule / handmix</td>
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</table>

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¹ glass ionomer cement
² silicate / zirconium dioxide / aluminium oxide ceramics
³ ball, Locator®, telescope retention elements, as well as other holding elements
Grandio’s Nano-technology for core build-ups

**Indications**

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

**Advantages**

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

Core build-up forms

**Indications**

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

**Advantages**

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

**Presentation**

**Grandio Core Dual Cure**

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

**Rebilda® Form**

- REF 1407 20 pcs. small
- REF 1408 20 pcs. medium
- REF 1409 20 pcs. large
Rebilda® DC

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

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

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

Technical Data

<p>| | |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Working time</td>
<td>2 min.</td>
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<tr>
<td>Setting time</td>
<td>2 min. (dentin shade)</td>
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<tr>
<td>Transverse strength (ISO 4049)</td>
<td>121 MPa</td>
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<tr>
<td>Shear bonding strength on dentin</td>
<td>22 MPa</td>
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Presentation

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

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

**Presentation**

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

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

**Refills (posts):**
- Rebilda Post 1.0, 5 Posts, Ø 1.0 mm
- Rebilda Post 1.2, 5 Posts, Ø 1.2 mm
- Rebilda Post 1.5, 5 Posts, Ø 1.5 mm
- Rebilda Post 2.0, 5 Posts, Ø 2.0 mm
- Ceramic Bond, 5 ml Bottle

**Refills (drills):**
- Rebilda Post 1.0, 1 Drill, Ø 1.0 mm
- Rebilda Post 1.2, 1 Drill, Ø 1.2 mm
- Rebilda Post 1.5, 1 Drill, Ø 1.5 mm
- Rebilda Post 2.0, 1 Drill, Ø 2.0 mm
- 3 x Rebilda Post Reamers Ø 0.7 mm
Indications
Core build-up restorations with root posts for endodontically treated teeth

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

Presentation

<table>
<thead>
<tr>
<th>Rebilda Post GT</th>
<th>REF 1972</th>
<th>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</th>
</tr>
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<td>REF 1974</td>
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<td>REF 1975</td>
<td>5 x No. 9 (~ ø 1.2 mm)</td>
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<td>REF 1976</td>
<td>5 x No. 12 (~ ø 1.4 mm)</td>
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Tissue colored implant pick-up system with new Quick Up method

**Indications**
Self-cured composite cementation material for attachments, such as ball, Locator® and telescopic anchors in full and partial dentures
Re-attachment of secondary elements such as bar retainers in composite based dentures

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

**Presentation**

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

**Indications**

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

**Advantages**

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

**Presentation**

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

**Indications**

**Cementation of:**
- Crowns
- Bridges
- Inlays and onlays
- Endodontic posts made from ceramic, zirconium dioxide and metal

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

**Presentation**

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

**Ceramic Bond**

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

**Indications**

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

**Advantages**
- Provides optimal conditions for a permanent bond between the indirect restoration and the resin cement
- No mixing required
- Easy, quick and hygienic
- No additional devices required
- No spilling in any position

**Presentation**

- **REF 1107** Ceramic Bond SingleDose – 50 pack
- **REF 1106** Bottle 5 ml
Meron:
Glass ionomer cement

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

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

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

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

Meron Plus:
Resin modified glass ionomer cement

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

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

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

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

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

Presentation
- REF 1727 QuickMix Syringe 8.5 g
- REF 1728 QuickMix Syringe 3 x 8.5 g
- REF 2189 mixing tips type 10 – 50 pack
A-silicone based permanent soft denture relining material in 1:1 cartridge system

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

**Advantages**

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

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

**Presentation**

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

**Trimming disk:**
- REF 2049 trimming discs – 10 pack
DIRECT DENTURE RELINING

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 years

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

... as simple as an impression

apply adhesive... ... apply Ufi Gel hard C... ... functional movements... ... remove excess...

then let denture full cure in the mouth.

Presentation

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

hard chairside relining in only 10 minutes ...
Fit Test® C & B

Control silicone to check the fit of prosthetic pieces

Indications
For the precise control and fit of marginal gaps and adaptation of:
- crowns (full and partial)
- bridges
- inlays/onlays
- cast metal cores, crowns
- metal denture bases
- attachments and other secondary parts of dentures

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

Presentation
- 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.

Technical Data
- Working time: max. 1 min 45 secs.
- Setting time: 45 secs. – 1 min 15 secs.
- Tear resistance: 48.5 N

Source: VOCD GmbH in-house test analogue ASaN D.624-98
VOCD is not the holder of the mentioned trade marks
3D printer – Digital, additive dentistry

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

Technical overview
An increasing number of dentists and dental technicians already rely on the digitalization of their workflow. By integrating 3D printing technology, the in-lab manufacturing can be accelerated, quality and precision improved and costs minimized. The SolFlex 3D printers give you an easy access to additive manufacturing technology. With 3D printing technology, you benefit from the efficiency advantages of digital designs throughout the production stage. By combining scans with subsequent design and final 3D printing, the manufacturing of models and splints for orthodontic dentistry can be achieved quickly and accurately.

SolFlex 650
- Base area: 400 × 400 mm
- Build area: 128 × 120 mm (6 exposure areas)
- Max. build height: 130 mm
- Layer thickness: 25–200 μm
- Building capacity: up to 36 splints
- Building speed: up to 138 mm/h, depending on the material’s layer thickness
- Pixel size: 50 μm
- Precision: ±25 μm

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

**Advantages**

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

**Technical overview**

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

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

**SolFlex 350**

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

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**Presentation**

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

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

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

SolFlex 170
- Base area: 296 × 318 mm
- Building platform: 56 × 89 mm (1 exposure area)
- Max. Height: 120 mm
- Layer thickness: 25–200 μm
- Construction capacity: up to 6 splints
- Construction speed: up to 138 mm / h, depending on thickness and material
- Pixel size: 70 μm
- Accuracy: ±35 μm

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

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

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

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

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

**Presentation**
- REF 9133  OtoFlash
- REF 9130  OtoFlash – polymerization unit with connection for inert gas
- REF 9132  Tray
Material for 3D printing of models

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

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

Material for 3D printing of ortho devices

Indications
Orthodontic base parts, X-ray templates for implantology, occlusal splints, study models and transfer keys
Medical device, Class IIa for DLP-Printers with a UV LED spectrum of 378 to 388 nm.

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

Presentation

V-Print model (beige)

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

V-Print ortho

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

**Material for 3D printing of surgical guides**

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

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

**Presentation**

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

Active-tabs for cleaning impression trays and instruments

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

Presentation
- REF 2355 pack 50 tabs

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 economic production of wax models

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

Presentation
- REF 2111 set 25 maxillae, 25 mandibles
- REF 2112 pack 50 maxillae
- REF 2113 pack 50 mandibles
**Micro Tim**

Fine application brushes for Admira Bond/Protect and other varnishes

**Pele Tim**

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

**Dispenser**

Presentation

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

**Presentation**

REF 2250  No. 0, mini, ø 3 mm, approx. 3,000 pellets
REF 2252  No. 1, small, ø 4 mm, approx. 3,000 pellets
REF 2253  No. 2, medium, ø 5 mm, approx. 1,000 pellets
REF 2254  No. 3, large, ø 8 mm, approx. 500 pellets
REF 2255  no. 4, V-shaped, 6 x 8 mm, approx. 500 pellets

**AC Applicator**

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

**AC Activator**

Device to activate VOCO application capsules (AC)

**Caps Dispenser**

Low force composite dispenser

Presentation

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

Presentation

REF 2250  No. 0, mini, ø 3 mm, approx. 3,000 pellets
REF 2252  No. 1, small, ø 4 mm, approx. 3,000 pellets
REF 2253  No. 2, medium, ø 5 mm, approx. 1,000 pellets
REF 2254  No. 3, large, ø 8 mm, approx. 500 pellets
REF 2255  no. 4, V-shaped, 6 x 8 mm, approx. 500 pellets

Presentation

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

Presentation

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

Presentation

REF 9300  1 AC Activator

Presentation

ReF 2169 Three composite placement instruments in one – 10 pack

ReF 2247 Application brushes for Futurabond NR/DC/M/M+/U SingleDose – 100 pack

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

ReF 2245 Application brushes for Proflourid L, Proflourid Varnish and Easy Glaze – 50 pack

ReF 2249 Application brushes for Admira Protect – 100 pack

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

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

Notes
Free CE Webinars live and on-demand at:

www.vocolearning.com