LABORATORY CATALOGUE 2013/2014
VOCO – THE DENTALISTS

Modern dentistry demands dental products of top material quality and user-friendliness. This calls for practice-oriented and efficient solutions. We at VOCO pursue exactly these goals. We see ourselves as “Dentalists”, i.e. specialists for dental materials. With this in mind, we focus on this one area of activity and concentrate all our efforts on the service to dentistry.

Since 1981, VOCO has been supplying dental practitioners all over the world with high-quality dental materials and today ranks among the internationally leading manufacturers in this sector. With our comprehensive range of over 100 quality products we supply dental practices and laboratories in over 100 countries with pharmaceuticals and medical devices “Made in Germany” for preventive, restorative and prosthetic dentistry.

Thanks to a certified quality management system and intensive research and development work, VOCO has again and again been able to set new standards in the development of innovative dental materials. For this purpose, VOCO researchers are involved in an active exchange of ideas and information with over 150 universities and other renowned research establishments throughout the world. The know-how of VOCO’s scientific experts is rated very highly. For instance, VOCO has already played a leading part in several research projects sponsored by the German Federal Ministry of Education and Research (BMBF).

The VOCO product range for dental laboratories comprises permanent hard and soft lining materials, various luting agents, materials for maxillary and mandibular impressions, cleaning agents, as well as a number of laboratory devices.

VOCO presents its current product range in this catalogue and hopes to provide you with useful inspiration and ideas for clinical practice.
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## Icons

As usual, the VOCO laboratory catalogue provides you with comprehensive information on each individual product and offers you a quick and practical overview of the entire product range. You can now find the main product characteristics at a glance: our new icons visualise the core properties, giving you an immediate picture of whether a material is self-curing or dual-curing, whether conditioning is required, or how many seconds it needs to be light cured.

15 different icons enable you to quickly find the right product and make a first assessment and judgement within seconds, which allows you to quickly gain a general overview.
Indications
Definitive luting of inlays, onlays, crowns and bridges made from ceramic, zirconia, composite and/or metal
Definitive luting of metal, ceramic and fibre-reinforced posts in the root canal

Advantages
- No etching, no bonding
- Short intraoral setting time
- Easiest excess removal
- Very good adhesion to all materials
- Very low water solubility
- No mixing mistakes
- Excellent biocompatibility
- Available in three colours

Easy gel-phase excess removal.
Tack light-cure Bifix SE for 1–2 seconds per surface. The excess gel-like material is easily removable, e.g. with a scaler.

Presentation
REF 1784 Set QuickMix syringe 3 × 5 g (universal, transparent, white-opaque), mixing tips type 14, mixing tips type 15 (for intraoral tip type 1), intraoral tips type 1
REF 1785 QuickMix syringe 5 g universal, mixing tips type 14 and 15, intraoral tips type 1
REF 1786 QuickMix syringe 5 g transparent, mixing tips type 14 and 15, intraoral tips type 1
REF 1787 QuickMix syringe 5 g white-opaque, mixing tips type 14 and 15, intraoral tips type 1
Bifix® QM

Dual-curing universal composite-based luting system

**Indications**
Permanent adhesive luting of inlays, onlays, crowns, bridges, Maryland bridges, veneers, pins and posts

**Advantages**
- For all materials (metal, composite inlays and ceramic, also zirconia)
- Bubble-free perfect mixing
- Direct application
- Excellent adhesion to dentine, enamel and to metals
- Special one-step Ceramic Bond for optimal adhesion to porcelain
- Radiopaque
- Available in three shades
- Try-In pastes simplify shade selection before cementation
- All-in-one set

**Also for zirconia**

**Presentation**

| REF 1764 | Expert set – QuickMix syringe 3 × 10 g (universal, transparent, white-opaque), mixing tips type 11, intraoral tips type 4, Try-In syringe 3 × 1.2 g (universal, transparent, white-opaque), application cannulae type 41, Ceramic Bond bottle 5 ml + Futurabond DC SingleDose 50 pcs., accessories |
| REF 1760 | Set QuickMix syringe 3 × 10 g (universal, transparent, white-opaque), mixing tips type 11, intraoral tips type 4, Try-In syringe 3 × 1.2 g (universal, transparent, white-opaque), application cannulae type 41, Ceramic Bond bottle 5 ml, accessories |
| REF 1761 | Syringe 1.2 g Try-In universal, accessories |
| REF 1762 | Syringe 1.2 g Try-In transparent, accessories |
| REF 1763 | Syringe 1.2 g Try-In white-opaque, accessories |
| REF 1217 | Set QuickMix syringe 10 g U (universal), Futurabond DC bottle 4 ml each liquid 1 and 2, Ceramic Bond bottle 5 ml, mixing tips type 11, intraoral tips type 4, accessories |
| REF 1218 | QuickMix syringe 10 g universal, mixing tips type 11, intraoral tips type 4, accessories |
| REF 1219 | QuickMix syringe 10 g transparent, mixing tips type 11, intraoral tips type 4, accessories |
| REF 1759 | QuickMix syringe 10 g white-opaque, mixing tips type 11, intraoral tips type 4, accessories |
| REF 1106 | Ceramic Bond bottle 5 ml |
Meron

**Indications**
Luting of metal-based crowns, bridges, inlays and onlays
Luting of high-strength all-ceramic crowns and bridges
Luting of metal-based and high-strength all-ceramic crowns and bridges on implant abutments
Luting of metal root posts or indirect metal post core build-ups
Luting of prefabricated steel crowns
Luting of orthodontic bands

**Advantages**
- Sizeable amount available per capsule – also suitable for large restorations
- Excellent wetting properties
- Stable
- Low film thickness
- High level of translucency for aesthetic results
- Simple removal of excess material
- Continuous release of fluoride
- No known postoperative sensitivities

**Presentation**
- REF 1242 Application capsules 50 pcs.
- REF 1086 Set powder / liquid (35 g / 15 ml)
- REF 1090 Set mini powder / liquid (15 g / 7 ml)

Ceramic Bond

**Indications**
One-component silanisation agent for durable adhesive bonding of porcelain, also zirconia, to composites as well as for the pre-treatment of glass fibre reinforced composite posts

**Advantages**
- Silanates the surfaces of full ceramic restorations and creates ideal conditions for a durable bond between ceramic, as well as zirconia and composite

**Presentation**
- REF 1106 Bottle 5 ml

Fit Test® C & B

**Indications**
Control of precision of fit, marginal adaptation and marginal gaps of:
- full or partial crowns as well as bridges
- inlays / onlays
- cast post abutments / post crowns
- metal denture bases
- implant-supported crowns and bridges
- attachments and other secondary parts of dentures

**Advantages**
- Fast diagnostic help for all restorative pieces
- QuickMix syringe for simple handling
- Automatic bubble-free mixing
- Direct application
- Optimal colour for metal and ceramic restorations
- Fast results due to short working and setting time

**Presentation**
- REF 2095 QuickMix syringe 5 ml, mixing tips type 9
Quick Up®

Self-curing luting material for attachments and secondary denture parts

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

Advantages
• Very simple chairside use
• High strength values
• Complete set for immediate use, including checking and blockout material for primary structures that require protection, e.g., implants
• Ideal combination of self-curing luting material and light-curing correction material

Application

- Implant with fitted attachments
- Prosthetic base with the recesses for the attachments already created
- Checking the accuracy of the fit with Fit Test C & B
- Checking of attachments for fitting accuracy with Fit Test C & B
- Blocking-out, covering of primary parts / gingiva with Fit Test C & B
- Applying Quick Up from the QuickMix syringe
- Applying Quick Up LC to correct deficits and superficial defects
- Luted attachment in the prosthesis

Presentation

REF 1625  Set QuickMix syringe 7.5 g, Quick Up LC syringe 2 g, bottle 4 ml adhesive, Fit Test C & B QuickMix syringe 5 ml, accessories
REF 1626  QuickMix syringe 7.5 g, accessories
REF 1627  Quick Up LC syringe 2 g, accessories

Locator® is not a registered trademark of VOCO GmbH.
Cimara®

**Material for ceramic repair with light-curing composite**

**Indications**
Direct repair of ceramic restorations

**Advantages**
- Only one session
- No removal or re-cementation of restorative pieces
- Simple working steps
- No additional devices required
- Permanent bond of composite to porcelain
- High shear bonding strength

**Application**

**Presentation**
- Set 8 x 0.3 ml coupling silane, adhesive bottle 4 ml, Opaquer LC syringe 1.2 g, GrandioSO Caps 8 x 0.25 g (A1, 2 x A2, 2 x A3, A3.5, B2, GA3.25), accessories
- 4 x 0.3 ml coupling silane, accessories
- Bottle 4 ml adhesive
- Opaquer LC syringe 1.2 g, application cannulae type 45

Cimara® Zircon

**Zirconia repair material with light-curing composite**

**Indications**
For repairing defects on porcelain-faced, fixed, full ceramic restorations and zirconia-frames with composite

**Advantages**
- High shear bond strength
- Highly aesthetic
- Inexpensive, direct repair in the patient’s mouth
- Without acid use
- With light-curing, nano-hybrid composite GrandioSO for outstanding results

**Application**

**Presentation**
- Set primer bottle 5 ml, adhesive bottle 4 ml, GrandioSO Caps 8 x 0.25 g (A1, 2 x A2, 2 x A3, A3.5, B2, GA3.25), accessories
- Bottle 5 ml primer
Structur 3

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

Indications
Fabrication of temporary crowns, bridges, inlays, onlays, partial crowns, veneers and temporary posts
Fabrication of long-term temporaries
Lining of pre-fabricated temporary crowns made from composite materials, polycarbonate or metal

Advantages
- **Processing**
  - quick, simple and reliable thanks to the 1:1 cartridge system
  - short setting time
  - elastic phase allows simple removal from the prepared tooth
  - gloss without polishing – only requires removal of the inhibition layer
- **Aesthetics**
  - natural gloss and fluorescence
  - available in eight shades
- **Durability**
  - high compressive strength
  - excellent fracture resistance

Clinical Case

Initial situation
Prepared cores
Finished temporary bridge
Appealing result

Source: Dr. Walter Denner, Fulda / Germany

<table>
<thead>
<tr>
<th>Shade</th>
<th>Cartridge 50 ml, mixing tips type 6</th>
<th>Cartridge 5 x 50 ml, mixing tips type 6</th>
<th>QuickMix syringe 5 ml, mixing tips type 10</th>
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<tbody>
<tr>
<td>A1</td>
<td>REF 2503</td>
<td>–</td>
<td>REF 2515</td>
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<tr>
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<td>REF 2504</td>
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<td>REF 2516</td>
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<td>A3</td>
<td>REF 2505</td>
<td>REF 2513</td>
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<td>REF 2506</td>
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<td>B1</td>
<td>REF 2507</td>
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<td>REF 2518</td>
</tr>
<tr>
<td>B3</td>
<td>REF 2508</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>C2</td>
<td>REF 2509</td>
<td>–</td>
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<tr>
<td>BL</td>
<td>REF 2510</td>
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</tr>
</tbody>
</table>
Ufi Gel® hard C

Indications
- Hard permanent relining
- Direct and indirect relining
- Total or partial relining
- Ambulant relining
- Lengthening of denture rims
- Repair and enlargement of dentures
- Correction of new dentures

Advantages
- Complete, hard relining, in just one chairside session
- Methylmethacrylate-free
- Neutral taste and odour
- No heat development in the mouth
- Good colour stability
- As easy as taking an impression
- Aesthetic, high patient acceptance and comfort
- Smooth surface
- New layers can be added at any time

Clinical Case

Presentation
- REF 2215 Set cartridge 80 g, adhesive bottle 10 ml, mixing tips type 8
- REF 2218 Set + dispenser cartridge 80 g, adhesive bottle 10 ml, mixing tips type 8
- REF 2216 Cartridge 80 g, mixing tips type 8
- REF 2217 Bottle 10 ml adhesive

Handmix version of Ufi Gel® hard C

Presentation
- REF 2210 Set powder 60 g, liquid bottle 40 ml, conditioner bottle 20 ml, accessories
- REF 2211 Powder 60 g
- REF 2212 Bottle 40 ml liquid
- REF 2213 Bottle 20 ml conditioner
Ufi Gel® SC

Soft remaining, cold-curing relining material on silicone base in cartridges

Indications
- Permanent soft relining material for full and partial dentures
- Treatment of pressure spots
- Improvement of fit and hold
- Cushioning of sharp alveolar processes
- Relining in implantology
- Re-adaptation of dentures

Clinical Case

SEATING OF THE PROSTHESIS AND MOVEMENTS OF THE MANDIBLE

Presentation
- REF 2041 Set cartridge 50 ml, adhesive bottle 10 ml, glazing base 10 ml, glazing catalyst 10 ml, mixing tips type 8
- REF 2040 Cartridge 50 ml, mixing tips type 8
- REF 2029 Bottle 10 ml adhesive
- REF 2047 Bottle 20 ml glazing
- REF 2049 Polishing discs, 10 pcs.

Ufi Gel® P

Soft remaining, cold-curing relining material on silicone base in tubes

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

Presentation
- REF 2070 Set tube base 50 ml, catalyst 50 ml, glazing base 10 ml, glazing catalyst 10 ml, adhesive bottle 10 ml, accessories
- REF 2071 Tube 2 × 50 ml (base / catalyst)
- REF 2076 Bottle 10 ml adhesive
- REF 2077 Bottle 20 ml glazing
Registrado® Clear

- Transparent addition-curing silicone for bite registration, fast setting

**Indications**
- Bite registration
- Registration key for intraoral bearing device registration
- Fixing of X-ray balls
- Front and occlusal record
- Silicone key for composite restorations

**Advantages**
- High final hardness combined with high transparency
- Convincing material consistency, ensures adherence to the row of teeth
- Work without time pressure thanks to temperature-controlled curing process (accelerated curing starts only when mouth closed)
- High dimensional and shape stability (> 99%)
- Simple working process, no risk of fracture
- Neutral in taste and odour
- Direct visual control of the intended occlusion
- Light-curing can be carried out perfectly through a layer of Registrado Clear
- Not radiopaque

| Presentation | REF 2037 Cartridge 50 ml, mixing tips type 16, intraoral tips type 2 |

Registrado® X-tra

- Addition-curing silicone for bite registration, extra hard, fast setting

**Indications**
- Occlusal bite registration
- Fixing facebow registrations
- Retaining gothic arch registrations
- Model fabrication for indirect composite restorations

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

| Presentation | REF 2035 Cartridge 2 × 50 ml, mixing tips type 16, intraoral tips type 2
  REF 2036 Cartridge 8 × 50 ml, mixing tips type 16, intraoral tips type 2 |

Block Out Gel LC

- Light-curing block out material

**Indications**
- Blocking-out of plaster models

**Advantages**
- Blue colour for simple application control
- Easy application directly from the syringe

| Presentation | REF 1661 Syringe 4 × 1.2 ml, application cannulae type 44 |
Individuo® Lux

Indications
For the fabrication of individual trays from contoured plates for maxillae and mandibles

Advantages
• In transparent-blue or blue-opaque colour
• Allows precise and economic processing
• Stable trays
• Pleasant mint flavour
• Non-sticky consistency
• Light-cured with standard halogen light or UVA lights

Profibase

Indications
Fabrication of gingiva-shaded bases for wax models of complete and partial dentures

Advantages
• Gingiva shade
• Simple and time-saving shaping by hand
• Permanent stability and compressive strength
• Pleasant mint flavour
• Non-sticky consistency
• Light-cured with standard halogen light or UVA lights

Presentation

Preformed individual impression trays, light-curing

Table:
<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>REF 2402</td>
<td>Maxillae 50 pcs. blue opaque</td>
</tr>
<tr>
<td>REF 2403</td>
<td>Mandibles 50 pcs. blue opaque</td>
</tr>
<tr>
<td>REF 2408</td>
<td>Maxillae 50 pcs. transparent blue</td>
</tr>
<tr>
<td>REF 2409</td>
<td>Mandibles 50 pcs. transparent blue</td>
</tr>
</tbody>
</table>

Preformed pink-impression trays / basis plates, light-curing

Table:
<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>REF 2111</td>
<td>Maxillae / mandibles 2 x 25 pcs.</td>
</tr>
<tr>
<td>REF 2112</td>
<td>Maxillae 50 pcs.</td>
</tr>
<tr>
<td>REF 2113</td>
<td>Mandibles 50 pcs.</td>
</tr>
</tbody>
</table>
Traypurol® tabs

**Active-tabs for cleaning impression trays and instruments**

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

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

**Simple to use!**

| Presentation | REF 2355 | 50 pcs. |

Traypurol®

**Concentrated cleaning agent for impression trays and instruments**

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

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

| Presentation | REF 2289 | Bottle 1 l |
|             | REF 2290 | Canister 5 l |
|             | REF 2304 | Dispenser pump – canister 5 l |

Solvitan

**Cleaning solution with citrus aroma**

**Indications**
Cleaning solution for general application in dental clinics, laboratories and households

**Advantages**
- Removes pastes, silicone- or polyether-based impression materials and zinc oxide from hands and instruments
- Skin-friendly with lanolin
- Easily removed with water
- Pleasant citrus fruit aroma

| Presentation | REF 2312 | Bottle 250 ml |
|             | REF 2313 | Box bottle 4 x 250 ml |
|             | REF 2320 | Bottle 500 ml |
### Dispenser type 2

**Dispenser to extrude dental materials from cartridges**

For 1:1 or 1:2 cartridges (50 ml), i.e. for Registrado Clear, Registrado X-tra, Ufi Gel SC, Ufi Gel hard C, Structur 3, etc.

<table>
<thead>
<tr>
<th>Presentation</th>
<th>Intraoral tips</th>
<th>Application cannulae</th>
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<tbody>
<tr>
<td>REF 2158</td>
<td>REF 2139 (Intraoral tips type 1 for mixing tips type 11, 50 pieces)</td>
<td>REF 2144 (Application cannulae type 44 for Block Out Gel LC, Quick Up LC, 100 pieces)</td>
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<tr>
<td></td>
<td>REF 2140 (Intraoral tips type 2 for mixing tips type 16, 50 pieces)</td>
<td>REF 2146 (Application cannulae type 41 for Bifix QM Try-In, 100 pieces)</td>
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### Mixing tips

<table>
<thead>
<tr>
<th>REF 2185</th>
<th>Mixing tips type 6 for Structur 3, 50 pieces</th>
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</thead>
<tbody>
<tr>
<td>REF 2187</td>
<td>Mixing tips type 8 for Ufi Gel SC, Ufi Gel hard C, 50 pieces</td>
</tr>
<tr>
<td>REF 2191</td>
<td>Mixing tips type 11 for Bifix QM, Fit Test C &amp; B only with REF 2139, 50 pieces</td>
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<tr>
<td>REF 2194</td>
<td>Mixing tips type 14 for Bifix SE, 50 pieces</td>
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<tr>
<td>REF 2195</td>
<td>Mixing tips type 15 (with intraoral tips type 1), for Bifix SE, 50 pieces</td>
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<tr>
<td>REF 2196</td>
<td>Mixing tips type 16 (for intraoral tips type 2) for Registrado Clear, Registrado X-tra, 50 pieces</td>
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</table>