Dental materials for the practice
2017 / 2018
FAMILY VALUES
Managed by the owner for five decades ever since the foundation of the company. That makes an impression.

LOVE OF QUALITY
Branded products made in Germany – ISO certified, FDA cleared, highly rated and established in practice.

TEAM PHILOSOPHY
Everything under one roof – from research to production and marketing.

MILESTONES …
2014 – new state-of-the-art production building…
2016 – New standards for 3D printing…
2017 – trendsetting Dental Training Center…
To be continued
Dental future is now.

In addition to being our stand motto at IDS 2017, this is a general conviction that drives us in our day-to-day work. And in fact we at DMG have been busy making significant strides when it comes to setting the right course for the future.

This is reflected in our wide range of product innovations. Some of which you will be introduced to in this catalog, such as Ecosite Bulk Fill, Ecosite Bond, LuxaPick-up and DMG Retraction Paste.

We’ve even given the digital prosthetics range from DMG its very own catalog – with CAD/CAM materials from the LuxaCam range, LuxaPrint 3D materials and the high-performance 3D printer DMG 3Delux. A lot has changed at our site in Hamburg too. We have just created a brand-new state-of-the-art Dental Training Center which offers training under real conditions – with comprehensive surgery and laboratory facilities included. And, with its cutting edge production technologies, our new production building is fully equipped to provide you with optimum support: With state-of-the-art dental product solutions. Reliable product solutions that make your work considerably easier.

Shaping the future of Dentistry together – that is our goal.

Kind regards from Hamburg

Dr. Wolfgang Mühlbauer
President DMG

Susanne Stegen
Executive Vice President DMG
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## LuxaPick-up

The prosthesis professional that can do more.

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PREVENTION

Prophylaxis
Flairesse
The perfect combination for your prophylaxis.

Protecting instead of filling. Preserving instead of drilling. Not only dentists, but patients, too, are relying increasingly on preventive action. Professional tooth cleaning at the dentist’s plays an important role. This is where Flairesse comes in. The prophylaxis system provides a separate specialist for each step, each containing xylitol and fluoride: a paste for removing plaque and stains. Gel or foam – as you like – for intensive remineralization of the enamel. And a varnish for desensitizing.

All products have a pleasantly fresh taste. Try mixing some strawberry with mint or melon.

Who says professional tooth cleaning can’t be creative?

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Before polishing with Flairesse.

After polishing with Flairesse.
Flairesse Paste
Clean effectively.

Flairesse Prophylaxis paste removes discolorations, and plaque and it polishes the tooth’s surface. The patient feels the results immediately. Three different grits – coarse, medium, fine – allow adjusting the degree of abrasion precisely.

Very gentle: Flairesse does not cause any unnecessary abrasion of the tooth’s structure and restoration surfaces. The paste contains fluoride and is free of known allergens.

Indications: removal of superficial soft and hard plaque, removal of extrinsic stains

Good reasons

❖ For a perfect cleaning and polishing effect
❖ Does not splatter
❖ 3 different grits
❖ Contains xylitol and fluoride (12,300 ppm)
❖ 2 fresh flavors: mint and Melon

Package
200 Single Dose @ 1.8 g
1 Prophy Ring
Mint fine
Mint medium
Mint coarse

Package
1 Tube @ 75 ml
Mint fine
Mint medium
Mint coarse
Melon fine
Melon medium
Melon coarse

The foil is easy to remove from the Single Dose.
Pick up the paste with the polishing cup or brush.
Subgingival and interdental deposits can easily be removed with the polishing cup.
Deposits can be effectively removed from the occlusal surface with a brush.
Flairesse gel/foam

Strengthening, strengthening and strengthening: this is the main task. You can choose between gel and foam. What’s your preference or what does your patient prefer? Children, for example, love Flairesse foam for its great sensation in the mouth.

No matter which version, both are really easy to apply and effective in their application. Gel and foam form a protective layer on the tooth’s surface. They promote remineralization and inhibit demineralization. With only one minute, the response time is extremely short.

This makes protection pleasantly quick!

For easy use, put Flairesse Prophylaxis gel in a dappen dish.

Apply Flairesse Prophylaxis gel using a polishing cup.

Flairesse Prophylaxis Gel is excellent for use in a tray.

Alternatively fill a tray with Flairesse Prophylaxis foam.

Indication – gel: promotes remineralization of the enamel after professional tooth cleaning, remineralization of incipient caries

Indication – foam: promotes remineralization of the enamel after professional tooth cleaning

Good reasons

- Increases enamel resistance against acid attacks
- Contains xylitol and fluoride (12,300 ppm)
- Does not drip
- Short application time: only 1 minute
- Can be used in a tray
- 3 fresh flavors: Mint, Melon and Strawberry

Package

1 Bottle Gel @ 480 ml
Mint REF 220411
Melon REF 220412
Strawberry REF 220413

1 Jar Foam @ 125 g
Mint REF 220408
Melon REF 220409
Strawberry REF 220410
Flairesse varnish

Last, but not least: Flairesse Prophylaxis varnish seals dentin tubules reliably. It desensitizes and is therefore a true winner for hypersensitive teeth. Just like the other Flairesse system components, the varnish contains xylitol and fluoride. This provides peace of mind. Flairesse smiles look fantastic:

**The clear varnish is not visible on the teeth.**

Indications: treatment of hypersensitive teeth, sealing of hypersensitive cervixes and exposed root dentine, protective varnish for the prevention of caries, remineralization of incipient caries

Good reasons
- Desensitizes reliably
- Contains xylitol and fluoride (22,600 ppm)
- Invisible on teeth
- Easy to use
- 2 fresh flavors: Mint and Melon

Comparison between Flairesse Prophylaxis varnish (tooth 11) with a competitive product (tooth 21).

The foil is easy to remove from the Single Dose.
The brush is easy to bend for accessing hard-to-reach areas.
Flairesse Prophylaxis varnish is easy to apply.

Package
- 35 Single Doses @ 0.4 ml
- 35 Brushes
- Mint
- Melon

REF 220404
REF 220405
INfiltration

Caries Infiltration

Accessories
**Icon proximal**  
**Early arrest of caries – without drilling.**

Icon proximal successfully arrests the progression of incipient caries – without drilling or unnecessary loss of substance. The damaged area is first prepared using an etching gel. The highly fluid infiltrant is then applied using the Approximal-Tip. It penetrates deep into the enamel due to the action of capillary forces. It fills the carious pore system, stabilizes it and blocks the penetration of cariogenic acids. Caries progression can thus be arrested early.

**Icon proximal – treat earlier, preserve longer.**

---

**Good reasons**

- Esthetic and medical indication
- Gentle therapy approach for difficult-to-reach proximal lesions in just a few steps
- No unnecessary loss of healthy hard tissue
- Prolongs the life expectancy of the tooth

---

Indication: micro-invasive treatment of early, non-cavitated caries (depth of radiological lesion to the outer third of the dentine) in the proximal area

**Starter Pack**

- 2 Treatment units each including:
  - 1 Syringe @ 0.30 ml Icon-Etch
  - 1 Syringe @ 0.45 ml Icon-Dry
  - 1 Syringe @ 0.45 ml Icon-Infiltrant
  - 6 Approximal-Tips
  - 1 Luer-Lock-Tip
  - 4 Dental wedges

**Economy Pack**

- 7 Treatment units each including:
  - 1 Syringe @ 0.30 ml Icon-Etch
  - 1 Syringe @ 0.45 ml Icon-Dry
  - 1 Syringe @ 0.45 ml Icon-Infiltrant
  - 6 Approximal-Tips
  - 1 Luer-Lock-Tip
  - 4 Dental wedges
Icon smooth surface
The effective approach to treating white spots.

With Icon smooth surface, white spots on smooth tooth surfaces can be esthetically masked. How does this infiltration method work? Air and water entrapments caused by the caries process have a lower light refraction index than healthy tissue. That leads to unesthetic discolorations called white spots. Icon-Infiltrant, which penetrates deep into the porous tooth tissue, has a light refraction index similar to that of healthy enamel. The infiltrated lesion thus approximates the appearance of surrounding healthy enamel. Another benefit: even fluorosis can be effectively treated with Icon smooth surface.

Icon smooth surface: esthetic results in just one treatment session.

Indications: micro-invasive treatment of non-cavitated enamel carious lesions (lesion depths of up to D1) and esthetic treatment of mild to moderately pronounced fluorosis with intact surfaces

Good reasons
✓ Esthetic treatment of white spots
✓ Restoration of the authentic tooth shade
✓ Maintains healthy tooth substance
✓ Gentle, painless approach
✓ User-friendly and patient-friendly application process in only one session

Starter Pack
2 Treatment units each including:
1 Syringe @ 0.45 ml Icon-Etch
1 Syringe @ 0.45 ml Icon-Dry
1 Syringe @ 0.45 ml Icon-Infiltrant
6 Vestibular-Tips, Smooth
1 Luer-Lock-Tip

Economy Pack
7 Treatment units each including:
1 Syringe @ 0.45 ml Icon-Etch
1 Syringe @ 0.45 ml Icon-Dry
1 Syringe @ 0.45 ml Icon-Infiltrant
6 Vestibular-Tips
1 Luer-Lock-Tip
**DMG MiniDam**

Quick Protection – Where it’s needed.

The DMG MiniDam protects the proximal region during treatment – quickly, easily and comfortably for the patient. The practical silicone auxiliary ensures that the site being treated is sufficiently dry. At the same time, the gingiva is protected from the materials being used, e.g. etching gel.

The DMG MiniDam can be placed by one person in just a few seconds and stabilizes itself – without clamps. That makes it extremely convenient for the dentist and very comfortable for the patient.

**Thanks to the DMG MiniDam, procedures in the proximal area, which also include caries infiltration for example, can thus be completed more quickly.**

---

**Good reasons**

- Reliable local protection of the proximal region
- Quick and easy
- Comfortable for patients
- Secure hold without clamps
- Latex-free
- Assists with infiltration treatment

---

**Indication:** silicone protection to facilitate a relatively dry environment in the proximal area between two teeth and to protect the gingiva against dental materials.

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**DMG MiniDam placed in the proximal area.**

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**Package**

20 Pieces

REF 220381
Icon X-ray Holder
Precision bitewing diagnosis.

DMG’s x-ray film holder system ‘Icon X-ray Holder’ enables the production of bitewing images without overlaps at a constant angle from check-up to check-up. This facilitates caries diagnosis and lesion monitoring as well as the evaluation of the treatment success with Icon. The bite plate is customizable; the retention holes in the plate serve as a means of fixing the bite registration. Fixing the bite ensures that the x-ray tube can always be positioned at exactly the same angle to the arch of the teeth. The integrated scale enables reliable determination of the lesion depth.

This means the Icon X-ray Holder can guarantee precision bitewing images under reliably reproducible conditions.

Indication: Standardized bite-wing X-rays of adults and children

Good reasons

✦ Comparable bitewing images
✦ Avoidance of retakes
✦ Improved caries monitoring

Starter Pack
2 Sighting rings
2 Icon X-ray Holders, size 1 (3 x 4)
10 Bite plates, size 1
2 Icon X-ray Holders, size 2 (2 x 3.5)
10 Bite plates, size 2

Package
2 Icon X-ray Holders, size 1
20 Bite plates, size 1
2 Icon X-ray Holders, size 2
20 Bite plates, size 2

REF 220508

Placing the bite registration on the Icon X-ray Holder.

Positioning in the patient’s mouth.

Icon X-ray Holder after bitewing imaging.
DIRECT RESTORATION

- Filling
- Core Build-ups
- Bonding Agent
- Underfilling
- Accessories
The 3-in-1 flowable: etching, bonding, and filling in one single step. The self-etching, self-adhesive flowable composite Constic combines etching gel, bonding agent and flowable composite in one single product. Be it small class I and III restorations, class V restorations, blocking out of undercuts, base lining or even (extended) sealing of fissures – with Constic, you can avoid unnecessary treatment steps, thus ensuring greater reliability.

Constic offers excellent adhesion to enamel and dentine and helps prevent post-operative sensitivity.

In short: the 3-in-1 flowable is faster, easier and more reliable.

Indications: small class I and III restorations, class V restorations, sealing of fissures, extended sealing of fissures, base lining of class I-II restorations, blocking out and filling of undercuts in cavities, small occlusal cavities in deciduous teeth

Good reasons

- Self-etching and self-adhesive
- Faster, easier and more efficient treatment procedure
- Radiopacity and fluorescence similar to that of teeth
- Prevents postoperative sensitivities
- Minimizes potential sources of mistakes

Available in 6 shades: a1, A2, A3, A3.5, B1, Opaque-White
EcuSphere
A high-quality universal composite system.

That looks good: the EcuSphere system meets all the requirements of the practice – it is safe, pleasant, and highly esthetic. The large selection of shades with natural fluorescence and the expanded range of materials cover all needs. Satisfactory fillings are facilitated systematically by EcuSphere-Shape, EcuSphere-Carat, EcuSphere-Shine and EcuSphere-Flow – four specialist products for the most diverse demands.

EcuSphere-Shape is a universal composite for the anterior and posterior region that is particularly easy to process. It is easy to model and is a reliable base for high quality restorations. EcuSphere-Carat, a highly viscous, packable composite can be used for permanent restorations, preferably in the posterior region. EcuSphere-Shine offers outstanding polishing properties and is ideally suited to reproduction of the natural enamel in the anterior region. EcuSphere-Flow can be used for indications that require a flowable composite, and is optimally tailored to the other EcuSphere shades.

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<tr>
<th>EcuSphere-Carat</th>
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* for opaque D-shades 40 seconds

Build-up of the palatal surface with EcuSphere-Shine Transparent.
Modeling of the cervical dentine core with EcuSphere-Flow A4.
The dentine core is supplemented with EcuSphere-Shape D-A3.
EcuSphere-Shine Transparent as a labial enamel substitute using the natural layering technique.
• EcuSphere-Shape

Initial situation: cavity class III. Reconstruction using EcuSphere-Shape A3.

Initial situation: cavity class I. Reconstruction using EcuSphere-Shape A3.5.

• EcuSphere-Carat

Planning of the reconstruction of a functional occlusal surface, step 1.

Initial increments in the build-up of the functional occlusal surface.

Planning of the reconstruction of a functional occlusal surface, step 2.

Final result with EcuSphere-Carat A3.5.

• EcuSphere-Shine

Initial situation: fracture of the incisal edge.

Reconstruction using EcuSphere-Shine A2.

Initial situation: enamel-restricted, deep, brown discoloration.

Final result: restoration of cavity class V (Class V cavity) with EcuSphere-Shine Transparent.
**EcuSphere-Flow**

**Light-curing, flowable universal composite**
Indications: small restorations (cavity classes I, III, IV, V), cavities in deciduous teeth, minimally invasive fillings, underfillings, extended fissure sealing, blocking out and filling of undercuts, repair of composite restorations

**Good reasons**
- Fluid during and stable after application
- Direct application
- Excellent polishing properties
- Natural fluorescence
- Opaque white for individualized applications
- Low viscosity

**Specialities**
Can be applied as single and multi shade, perfectly compatible with all EcuSphere products

**Package**
- 2 Syringes @ 1.5 g
- 10 Luer-Lock-Tips
- Shade A1: REF 220315
- Shade A2: REF 220314
- Shade A3: REF 220313
- Shade A3.5: REF 220312

**Accessories**
- 60 Luer-Lock-Tips, Black: REF 211477
- 1 Mixing pad, 62 x 62 mm: REF 212988

---

**EcuSphere-Shine**

**Light-curing, high gloss polishable enamel substitution**
Indications: highly esthetic anterior restorations of cavity classes III, IV and V, fabrication of direct veneers

**Good reasons**
- Enamel-like translucency
- Excellent polishing properties at high filler degree
- Natural fluorescence
- Medium viscosity
- Excellent sculpting properties
- Shades with chameleon effect

**Specialities**
Especially recommended for a detailed reproduction of the enamel in the anterior region, can be used as a single shade universal composite as well as a layer composite in combination with EcuSphere-Shape

**Package**
- 1 Syringe @ 2.5 g
- Shade Transparent: REF 220262
- Shade A2: REF 220261
- Shade A3: REF 220260
- 20 Safetips @ 0.3 g
- Shade Transparent: REF 220258
- Shade A2: REF 220257
- Shade A3: REF 220256

**Accessories**
- 1 Safetip-Dispenser: REF 213122
**EcuSphere-Carat**

Light-curing packable composite for posterior regions
Indications: restorations of all cavity classes, especially classes I and II; fabrication of direct inlays and onlays

**Good reasons**
- High viscosity, packable
- Excellent handling
- Does not stick to the instrument
- Good adaptation to cavity walls
- Excellent stability
- Natural fluorescence

**Speciality**
Especially recommended for posterior applications

**Package**
- 1 Syringe @ 3 g
  - Shade A1
  - Shade A2
  - Shade A3
  - Shade A3.5
- 20 Safetips @ 0.3 g
  - Shade A1
  - Shade A2
  - Shade A3
  - Shade A3.5

**Accessories**
- 1 Safetip-Dispenser

---

**EcuSphere-Shape**

Light-curing universal composite
Indications: restorations of all cavity classes in the anterior and posterior region

**Good reasons**
- Great variety of shades
- Excellent sculpting properties
- Medium viscosity
- Single and multi-color layer technique
- Natural fluorescence
- Excellent polishing properties

**Speciality**
Universal composite for all cavity classes and an excellent partner for EcuSphere-Shine

**Package**
- 1 Syringe @ 3 g
  - Shade A1
  - Shade A2
  - Shade A3
  - Shade A3.5
  - Shade A4
  - Shade B1
  - Shade B2
  - Shade B3
  - Shade C1
  - Shade C3
  - Shade D2
  - Shade D-A3
- 20 Safetips @ 0.3 g
  - Shade A1
  - Shade A2
  - Shade A3
  - Shade A3.5
  - Shade A4
  - Shade B1
  - Shade B2
  - Shade B3
  - Shade C1
  - Shade C3

**Accessories**
- 1 Safetip-Dispenser
Ecosite
It has never been easier to insert top-quality fillings.

There is no quicker and easier alternative when it comes to standard restorations. Without any need for laborious layering, the one-step Ecosite filling grants you the convenience of a considerable time saving. Another speedy plus point: the material guarantees reliable thorough-hardening of 5 mm layers in just 20 seconds. The increased firmness of the packable material ensures optimum precision handling. For your work, that means very effective molding (no »run-off«), reliable contact-point formation, significantly reduced reworking as well as quick and easy finishing.

Initial situation: class II mesial lesion in the tooth 36 identified by bite-wing x-ray examination.
Preparation of the cavity and sectional matrix placement.
Adaption of the material to the cavity.
Final result, excellent polishability.

This optimum filler technology guarantees outstanding workability.
Source: Internal images, DMG, 2016

Ecosite Bulk Fill
SonicFill (Kerr)
Ecosite Bulk Fill

Packable nanohybrid composite
Indications: dental fillings in the posterior region (Classes I and II including replacement of individual cusps), restorations of class V (cervical caries, root erosions, wedge-shaped defects), core build-up, fillings in deciduous teeth, extended fissure sealing of molars and premolars

Good reasons
- Can be applied in one coat without additional top coating
- Reliable through-hardening to 5 mm
- Low shrinkage stress values
- Easy modeling
- Precision contact-point formation
- Outstanding mechanical properties thanks to special filler technology

Starter Pack
- 3 Syringes @ 4 g
  - Shades: Universal (2 x), Light (1 x)
- 1 Bottle @ 5 ml Ecosite-Bond
  - Shades: Universal (32 x), Light (16 x)

48 Safetips @ 0.25 g
- Shades: Universal (32 x), Light (16 x)
- 1 Bottle @ 5 ml Ecosite-Bond

Package
- 1 Syringe @ 4 g, Shade Light
  - Shades: Universal (2 x), Light (1 x)
- 1 Syringe @ 4 g, Shade Universal
- 16 Safetips @ 0.25 g, Shade Light
- 16 Safetips @ 0.25 g, Shade Universal
- 16 Safetips @ 0.25 g, Shade Contrast

Accessories
- 1 Safetip-Dispenser

Ecosite-Bond

Light-curing »etch and rinse« adhesive
Indication: Bonding agent for direct restorations of all cavity classes with light-curing composites, compomers, and ormocers

Good reasons
- Free choice of etching Modus
- Optimum bond strength in any Situation
- Ideal partner for Ecosite Bulk Fill

Package
- 1 Bottle @ 5 ml Ecosite-Bond
  - Shades: Universal (2 x), Light (1 x)
**LuxaCore Z**
Feels like natural dentine for precise preparation.

With its excellent mechanical properties, LuxaCore Z-Dual matches the natural tooth more closely than any other material of its category. We were able to yet improve the compressive strength and cuttability properties even more compared to the many times awarded LuxaCore. The standout feature of the groundbreaking LuxaCore Z-Dual material with zirconium dioxide: it can be milled in the same way as natural dentine. This allows for particularly easy preparation with no grooves. The material’s high compressive strength ensures stability under the crown.

**LuxaCore products have long enjoyed global success, ranking No. 1 in countries including the USA.**

---

**Seating the LuxaPost with LuxaCore Z-Dual as the luting cement.**

**Core build-up using LuxaCore Z-Dual.**

**Easy and precise preparation as LuxaCore Z-Dual offers cuttability similar to that of dentine.**

**Monoblock with LuxaCore Z-Dual, LuxaPost and LuxaBond.**

---

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th></th>
<th>LuxaCore Z-Dual</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>Setting time in the mouth [min]</td>
<td>05:00</td>
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<tr>
<td>Layer** ≤ 2 mm [s]</td>
<td>20</td>
</tr>
<tr>
<td>Layer** ≤ 4 mm [s]</td>
<td>40</td>
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<tr>
<td>Compressive strength [MPa]</td>
<td>380</td>
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<tr>
<td>Flexural strength [MPa]</td>
<td>150</td>
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<tr>
<td>Diam. tensile strength [MPa]</td>
<td>63</td>
</tr>
<tr>
<td>Water absorption max. [µg/mm³]</td>
<td>25</td>
</tr>
</tbody>
</table>

---

* Market share 2013 according to the market research company Strategic Data Marketing

** In the case of light-curing
**LuxaCore Z - Dual**

Dual-curing composite for core build-ups
Indications: core build-up, post cementation

**Good reasons**
- Dentine-like cuttability: smooth preparation
- Exceptionally high compressive strength: reliable stability under the crown
- Excellent flow properties: optimal adaptation
- Reliable polymerization: no layering required
- Setting time can be determined by the user
- Immediate high final hardness
- Dual-cure: flexible treatment process
- Available in three shades:
  - Blue: contrast with the tooth substance
  - A3: the esthetic solution among all-ceramics
  - Light opaque: combines both characteristics

**Package**
- 1 Cartridge @ 48 g
- 30 Automix-Tips Yellow
- 20 Intraoral-Tips Yellow
- 10 Endo-Tips Yellow
- Shade Light opaque: REF 213332
- Shade A3: REF 213330
- Shade Blue: REF 213331

**Accessories**
- 1 Automix-Dispenser Type 25 1:1: REF 110253
- 50 Automix-Tips Yellow 1:1: REF 909200
- 50 Intraoral-Tips Yellow: REF 909201
- 50 Endo-Tips Yellow: REF 212280
- 20 Automix-Tips Endo L: REF 110963

**LuxaCore Z - Post System**

System Pack for post-endodontic treatment
Indications: core build-up/post cementation; post for the fabrication of a reliable retention of the core build-up in cases of insufficient coronal tooth substance; dual-curing bonding system (Total Etch) for use on enamel and dentine

**Good reasons**
- 3 top products for post-endodontic treatments in one kit
- In addition: cD with application video
- Handy to use, well arranged

**System pack**
- LuxaPost
  - 5 Posts ø 1.25 mm
  - 1 Drill ø 1.25 mm
- LuxaBond-Total Etch
  - 1 Bottle @ 5 ml Pre-Bond
  - 1 Bottle @ 5 ml Bond A
  - 1 Bottle @ 5 ml Bond B

**Etching Gel**
- 1 Syringe @ 2 ml Etching Gel-Medium Viscosity
- 25 Endobrushes Red
- 25 Endobrushes Black
- 3 Luer-Lock-Tips
- 1 Mixing palette

**LuxaCareZ - Dual**
- 1 Syringe @ 9 g paste, shade A3
- 10 Smartmix-Tips
- 10 Endo-Tips: REF 110862

**Etching Gel**
- 1 Syringe @ 2 ml Etching Gel-Medium Viscosity
- 25 Endobrushes Red
- 25 Endobrushes Black
- 3 Luer-Lock-Tips
- 1 Mixing palette

**LuxaCoreZ - Dual**
- 1 Syringe @ 9 g paste, shade A3
- 10 Smartmix-Tips
- 10 Endo-Tips: REF 110862

**Accessories**
- 50 Smartmix-Tips Combi: REF 212042
- 50 Smartmix-Tips Endo: REF 212041
- 20 Smartmix-Tips Endo L: REF 213083
Perfect partnership: the glass fiber-reinforced pre-silanized composite root post can be optimally cemented with LuxaCore Z. Its flexural modulus is not only very similar to that of LuxaCore Z but also to that of the natural dentine. This minimizes peak stresses in the delicate »root-post – cement – root« system, thus reducing the risk of root fractures. The adhesive cementation provides a secure bond, while small grooves in the top of the LuxaPost further enhance mechanical retention.

The tapered form of LuxaPost is modeled after the tooth root and allows for a treatment particularly gentle on the hard tissue. That the definitive restoration not only holds but looks good as well is partly also thanks to the post’s transparency.
**LuxaBond-Total Etch**
The perfect partner for all direct and indirect techniques.

This three-component system cures with and without light and is therefore particularly suitable for direct and indirect techniques, such as challenging adhesive cementation of root posts and core build-ups, as well as veneers, inlays, onlays, crowns and bridges. The Pre-Bond ensures that after its application the bond mix cures in a controlled fashion in the hard tissue, thus facilitating a superior bond.

As the perfect partner for LuxaCore Z and LuxaPost, LuxaBond-Total Etch completes DMG’s product palette for state-of-the-art post-endodontic restorations.

The ultimate in flexibility and versatility.

**Good reasons**
- Self-curing: hardens even without light
- No premature polymerization of bonding pools
- Pre-Bond for rapid curing of the bond mixture within the dentine: superior adhesive strength, longer working time of the bonding mixture
- Does not contain acetone

**Speciality**
Ideally suited for use with LuxaCore Z-Dual, PermaCem, PermaCem-Dual self-curing and dual-curing universal luting cement (see also overview on p. 84-85)

**Dual-curing adhesive system especially designed for all direct and indirect techniques**
Indications: dual-curing bonding agent in combination with the Total-Etch technique on enamel and dentine for all direct and indirect techniques such as challenging adhesive cementations of root posts and core build ups, inlays, onlays, crowns, and bridges
TECO
One-push bonding.

TECO is the Total-Etch bonding system with excellent bonding properties. Unique: the DMG single dose application from »SilvR dose«. The material can be used immediately by simply pressing on the silver chamber – with one hand, fast, clean and safe.

Additional assurance is provided by the exceptionally user-friendly Total-Etch technique. This enables work to be carried out on moist surfaces after etching, preventing excessive drying of the dentine.

With TECO you have bonding covered at all times.

Start etching process on enamel and extend to dentine.
Simply press the silver chamber. The material can now be withdrawn.
Uniformly moist surface after rinsing.
Work in TECO for 20 s, then light-cure for 10 s.

Light-curing bonding system for all commercially available light-curing materials
Indication: adhesive cementation of light-curing restorative materials on enamel and dentine

Good reasons

1. Superior bonding properties (38 MPa)*
2. Single dose application form »SilvR dose«: easy, one-hand »push button« application
3. Convenient distribution within the dental practice
4. Only one component for application, thus reducing the risk of incorrect use
5. User-friendly Total-Etch technique: ideal penetration of the collagen network
6. Antibacterial activity

Speciality
Particularly suited to bonding of EcuSphere (light-curing filling composite system), see p. 21-24, or
Vitique (premium luting composite), see p. 74,
Ionosit-Baseliner (light-curing underfilling material), see p. 33

Package
60 SilvR dose @ 0.12 ml Bond
1 Syringe @ 2 ml Etching Gel-Medium Viscosity
3 Luer-Lock-Tips White

1 Bottle @ 5 ml Bond
25 Single-use brushes White
1 Mixing palette
1 Syringe @ 2 ml Etching Gel-Medium Viscosity
3 Luer-Lock-Tips White

Accessories
50 Luer-Lock-Tips White
25 Single-use brushes White

* Burgess, J.O.: »Comparison of Microtensile Bond Strength of different 5th Generation Bonding Systems«, University of Alabama, Birmingham UAB, USA, 2007, data on file (DMG)
** Prof. Dr. S. Kneist et al., Antibacterial activity of dental adhesives, 54th Orca Congress, Poster 57, July 4-7, 2007, Helsingør, Denmark
Contax provides protection. Protection against postoperative sensitivity, while also ensuring a reliable bond. This two-component adhesive system is light-curing, self-etching and self-conditioning. Primer and bond are separate, thus providing superior bonding properties. In combination with the optional activator, the product ensures a secure bond even with dual-curing and self-curing materials.

The integrated etching step and the water-based primer make Contax very technique-tolerant and postoperative sensitivities are all but eliminated.

Contax – in this case two are definitely better than one.

Self-etching and self-conditioning adhesive system
Indication: light-curing bonding agent for bonding light-curing restorative materials on dentine and enamel

Good reasons
✔ No additional etching
✔ Priming and bonding are effected in only two steps
✔ Long-lasting restorations because of separate priming step
✔ Reliable depth of demineralisation
✔ Water-based primer, thus tolerant as regards technique
✔ No postoperative sensitivities

Contax with activator to mix with Contax-Bond
Indication: can be used with all self- and dual-curing restorative materials

Specialities
✔ Contax must always be light-cured, even when used with the activator
✔ Ideally suited for use with LuxaCore Z-Dual, PermaCem and PermaCem-Dual
Ionosit-Baseliner
Gap-free restorations.

Ionosit-Baseliner is the »stress breaker« among the dental materials. This light-curing active baseliner is the ideal one-component underfilling material for composite restorations. Its active chemistry compensates for the shrinkage typical with composite fillings, prevents marginal gap formations, and, with that, minimizes postoperative sensitivities, microfractures and secondary caries.

The material is radiopaque, provides long-term fluoride release, and, due to its zinc content, has antibacterial properties.

**Ionosit Baseliner – for stress-free restorations.**

**Light-curing base liner material**
Indications: underfilling material for composite, amalgam and ceramic restorations and for blocking out undercuts

**Good reasons**
- Gap-free restorations
- Compensation of composite polymerisation shrinkage
- Continuous fluoride release
- Antibacterial properties (due to zinc content)
- No complicated handmixing
- Protects the pulp
- Seals the dentine tubules
- Prevents postoperative sensitivities
- Radiopaque

**Speciality**
Also available as a Saferinge for easier and faster application

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Ionosit-Baseliner</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Working time [s]</td>
<td>90</td>
</tr>
<tr>
<td>Light-curing [s]</td>
<td>20</td>
</tr>
<tr>
<td>Thickness of layers [mm]</td>
<td>1</td>
</tr>
<tr>
<td>Radiopacity [% Al]</td>
<td>160</td>
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<tr>
<td>Compressive strength [MPa]</td>
<td>130</td>
</tr>
<tr>
<td>Flexural strength [MPa]</td>
<td>&gt; 60</td>
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<tr>
<td>Flexural modulus [MPa]</td>
<td>6,500</td>
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<tr>
<td>Diam. tensile strength [MPa]</td>
<td>34</td>
</tr>
</tbody>
</table>

**Package**
- 3 Saferinges @ 0.33 g REF 220091
- 2 Syringes @ 1.5 g REF 213002

**Economy Pack**
- 20 Saferinges @ 0.33 g REF 209538
- 6 Syringes @ 1.5 g REF 213001

**Accessories**
- 60 Luer-Lock-Tips, Black REF 211477
**DMG Etching Gel**

Indication: etching of enamel and dentine

**Good reasons**
- 37% phosphoric acid gel
- Blue for easy identification
- Ideal retention pattern
- Optimal viscosity
- Perfect dosing and precise application

**Package**
- 2 Syringes @ 2 ml
- 6 Luer-Lock-Tips White

**Universal phosphoric acid gel**

**Safetip-Dispenser**

Dispenser for direct application of all commercially available composite tips

**Good reasons**
- Safe loading of Safetips
- Direct application
- Easy cleaning
- Autoclavable
- Ergonomic handling

**Specialities**

The following products can be used with the Safetip-Dispenser:

- EcuSphere-Carat
- EcuSphere-Shape
- EcuSphere-Shine
- Ecosite
- Ecosite Bulk Fill

**Package**
- 1 Safetip-Dispenser
IMPRESSION

Situation impression
Precision Impression
Bite Registration
Relining/Fixation
Retraction
Accessories
Stability or flowability? Honigum Pro is a champion in both disciplines. This is because the precision VPS material offers a highlight: the rheologically active matrix. This enables unparalleled flowability under pressure AND outstanding stability when force is not applied. That means: Honigum Pro flows when it needs to flow. And that’s all. As a result, even the smallest spaces such as the area beneath the preparation line, for example, are reliably reached, even in moist conditions. The finest details can be reproduced.

**Record values for flow behavior.**
Under low shear stress, Honigum Pro-Light exhibits exceptional stability, achieving the highest values in this respect. This characteristic ensures that the material always stays in the area where it has been applied without seeping away. Under high shear stress (for example when inserting the impression tray), the viscosity characteristics change:

Honigum Pro flows superbly, even into the smallest spaces.

**Viscosity at 10 Pa/low shear stress**

<table>
<thead>
<tr>
<th>Material</th>
<th>Viscosity (Pa·s)</th>
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</thead>
<tbody>
<tr>
<td>Honigum Pro-Light</td>
<td>0</td>
</tr>
<tr>
<td>Panasil Initial Contact Light</td>
<td>1500</td>
</tr>
<tr>
<td>Imprint 4 Light</td>
<td>3000</td>
</tr>
<tr>
<td>Aquasil Ultra LV</td>
<td></td>
</tr>
</tbody>
</table>

Honigum Pro-Light achieves the highest stability values under low shear stress, i.e. no run-off from the preparation. (Source: DMG internal measurement, data on file 2011)

**Viscosity at 1000 Pa/high shear stress**

<table>
<thead>
<tr>
<th>Material</th>
<th>Viscosity (Pa·s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honigum Pro-Light</td>
<td>0</td>
</tr>
<tr>
<td>Panasil Initial Contact Light</td>
<td>40</td>
</tr>
<tr>
<td>Imprint 4 Light</td>
<td>400</td>
</tr>
<tr>
<td>Aquasil Ultra LV</td>
<td></td>
</tr>
</tbody>
</table>

In comparison with competitor products, Honigum Pro-Light offers the best flowability under high shear stress, reproducing even the finest details. (Source: DMG internal measurement, data on file 2011)
Honigum Pro
Unbeatable processing convenience.

Thanks to the technology developed by DMG known as »Snap-Set«, Honigum Pro offers an unprecedented combination of convenient working times and short setting times in the mouth. The generous working time – also intraorally – reduce stress during mixing to a minimum. Distortions due to the material prematurely setting are prevented, and inaccuracies as a result of micro movements are reduced thanks to faster cross linking (see »Snap-Set technology« in the image).

Greater comfort for patients. Relaxing work for the dentist.

»Snap-Set « technology

Convenient working time and short setting time in the mouth. Maximum convenience for the dentist and patient with Honigum Pro. (Source: DMG internal measurement, data on file 2011)

TECHNICAL DATA

<table>
<thead>
<tr>
<th>Honigum Pro</th>
<th>Light</th>
<th>Mono</th>
<th>Heavy</th>
<th>Putty</th>
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</thead>
<tbody>
<tr>
<td>ml</td>
<td>Fast</td>
<td>Fast</td>
<td>Fast</td>
<td>Soft</td>
</tr>
<tr>
<td>Mixing time [min]</td>
<td>≤ 1.00</td>
<td>≤ 2.45</td>
<td>≤ 3.15</td>
<td>≤ 3.15</td>
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<tr>
<td>Intraoral working time [min]</td>
<td>≤ 1.00</td>
<td>≤ 2.45</td>
<td>≤ 3.15</td>
<td>≤ 3.15</td>
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<tr>
<td>Max. extraoral working time [min]</td>
<td>≤ 0.35</td>
<td>≤ 0.35</td>
<td>≤ 0.5</td>
<td>≤ 0.5</td>
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<td>Setting time in the mouth [min]</td>
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<td>≤ 3.15</td>
<td>≤ 3.15</td>
<td>≤ 3.15</td>
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<tr>
<td>Dimensional change after 24 h [%]</td>
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<td>≤ 0.35</td>
<td>≤ 0.35</td>
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<tr>
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<td>≤ 0.25</td>
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<td>≤ 4.0</td>
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<tr>
<td>Color</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
**Honigum Pro-Mono**

**VPS-based monophase impression material**

Indications: crown and bridge impressions, inlay, onlay and functional impressions, as well as pressure-spot indications and all types of pickup impressions, e.g. for implants

**Good reasons**
- One-step precision
- Trouble-free and safe removal
- Good hydrophilicity and superior flow behavior
- Precise reproduction of the preparation line
- Very high tear resistance

**Package**
- 2 Cartridges @ 50 ml
- 10 MixStar-Tips
- 10 Intraoral-Tips

**Honigum Pro-Mono**

**Honigum Pro-Mono Fast**

**Package**
- 1 Cartridge @ 380 ml
- 10 MixStar-Tips
- 10 Intraoral-Tips

**Accessories**
- 1 MixStar-eMotion mixing unit 230 V int.
- 50 MixStar-Tips
- 1 Bottle @ 10 ml Tray Adhesive

---

**Honigum Pro-Light**

**High-precision VPS-based correction impression material**

Indications: crown and bridge impressions, inlay and onlay impressions

**Good reasons**
- Intelligent flow properties and extraordinary stability
- Good hydrophilicity
- Registers even the finest details
- Extremely high toughness
- Easily readable shade contrast

**Package**
- 4 Cartridges @ 25 ml
- 10 Intraoral-Tips
- 10 Automix-Tips

**Honigum Pro-Light**

**Honigum Pro-Light Fast**

**Package**
- 2 Cartridges @ 50 ml
- 10 Intraoral-Tips
- 10 Automix-Tips

**Accessories**
- 1 MixStar-Dispenser Type 25 1:1
- 1 MixStar-Dispenser Type 50 1:1
- 50 Automix-Tips Yellow 1:1
- 50 Intraoral-Tips Yellow
**VPS-based pre-impression material**
Indications: crown and bridge impressions, inlay and onlay impressions, all types of pickup impressions, e.g. for implants

**Good reasons**
- High final hardness
- Convenient insertion resistance
- Trouble-free and safe removal
- Consistently homogeneous, bubble-free material quality

**Package**
- 2 Cartridges @ 50 ml
- 4 Automix-Tips
- Honigum Pro-Heavy
- Honigum Pro-Heavy Fast
- 1 Cartridge @ 380 ml
- 10 MixStar-Tips
- Honigum Pro-Heavy
- Honigum Pro-Heavy Fast

**Economy Pack**
- 8 Cartridges @ 50 ml
- 16 Automix-Tips
- Honigum Pro-Heavy
- Honigum Pro-Heavy Fast
- 5 Cartridges @ 380 ml
- 50 MixStar-Tips
- Honigum Pro-Heavy
- Honigum Pro-Heavy Fast

**Accessories**
- 1 MixStar-eMotion mixing unit 230 V int.
- 50 MixStar-Tips
- 1 Automix-Dispenser Type 50 1:1
- 50 Automix-Tips Green 1:1
- 1 Bottle @ 10 ml Tray Adhesive

**Package**
- 1 Cartridge @ 380 ml
- 10 MixStar-Tips
- Honigum Pro-Putty Soft
- Honigum Pro-Putty Soft Fast
- Honigum Pro-Putty Rigid Fast

**Economy Pack**
- 8 Cartridges @ 380 ml
- 50 MixStar-Tips
- Honigum Pro-Putty Soft
- Honigum Pro-Putty Soft Fast
- Honigum Pro-Putty Rigid Fast

**Accessories**
- 1 MixStar-eMotion mixing unit 230 V int.
- 50 MixStar-Tips
- 1 Automix-Dispenser Type 50 1:1
- 50 Automix-Tips Green 1:1
- 1 Bottle @ 10 ml Tray Adhesive
Honigum Pro Scan
Impression precision made scannable.

There’s nothing easier: the scan variants combine the superior properties of Honigum Pro with the advantages of a digital workflow – with no need for pretreatment with scan spray or powder. You can work in your clinic as you always have: conventionally, precisely, and reliably. Even without new technology or investments, all options are available to you. In the lab, accurate impressions can be captured digitally. Possible sources of error with conventional model preparation using plaster are eliminated. Elaborate and sensitive cut-saw model preparation is not necessary. The lab’s digitalized data are then available to you at any time. It is also no longer necessary to store plaster models or impressions. The data permit the dentist and the lab to exchange information as early as the planning stage, regardless of location.

Take impressions easily and precisely with Honigum Pro Scan for digital processing as well.

Indications: all types of impressions such as crown and bridge impressions, inlay and onlay impressions, all types of pickup impression (e.g., for implants), fixing of impression posts and transfer copings

Good reasons
- Scannable: all Honigum Pro advantages for digital processing as well
- Cost effective, easy, precise – without the need to purchase expensive technology
- Reliable reproduction even of areas that are difficult to capture using an intraoral system
- Impressions scanned in the laboratory are stored digitally and the data can be reproduced at any time
- Data can be easily transferred – anywhere in the world
- Plaster models/impressions no longer need to be stored
- Easy handling, no pretreatment with powder or spray
- Sources of error when using conventional model preparation are eliminated
- Elaborate saw-cut models are not required
- No irritation caused by minimal head or tongue movements of the patient as with an intraoral scan
- Greater patient comfort: remaining still for long periods is not required

Package
Honigum Pro-Heavy Scan
1 Cartridge @ 380 ml
10 MixStar-Tips REF 929981
2 Cartridges @ 50 ml
4 Automix-Tips REF 929983
Honigum Pro-Light Scan
2 Cartridges @ 50 ml
10 Automix-Tips REF 929984
10 Intraoral-Tips

Accessories
1 MixStar-eMotion mixing unit 230 V int.
10 MixStar-Tips REF 900480
50 MixStar-Tips REF 903334
1 Automix-Dispenser Type 50 1:1 REF 909507
50 Automix-Tips Green 1:1 REF 909490
1 Bottle @ 10 ml Tray Adhesive REF 909394
Honigum-Light

VPS-based correction impression material
Indications: crown and bridge impressions, inlay and onlay impressions

Good reasons

- Excellent flow properties
- Extraordinary stability
- Balanced hydrophilicity
- Registers even the finest details

Package
- 4 Cartridges @ 25 ml
- 16 Automix-Tips
- 16 Intraoral-Tips
  - Honigum-Light
  - Honigum-Light Fast
- 2 Cartridges @ 50 ml
- 12 Automix-Tips
- 12 Intraoral-Tips
  - Honigum-Light
  - Honigum-Light Fast

Economy Pack
- 16 Cartridges @ 25 ml
- 50 Automix-Tips
- 50 Intraoral-Tips
  - Honigum-Light
  - Honigum-Light Fast
- 8 Cartridges @ 50 ml
- 50 Automix-Tips
- 50 Intraoral-Tips
  - Honigum-Light
  - Honigum-Light Fast

Accessories
- 1 Automix-Dispenser Type 25:1:1
- 1 Automix-Dispenser Type 50:1:1
- 50 Automix-Tips Yellow:1:1
- 50 Intraoral-Tips Yellow

Honigum-Mono

VPS-based monophase impression material
Indications: crown and bridge impressions, inlay, onlay and functional impressions, as well as pressure-spot indications and all types of pickup impressions

Good reasons

- One-step precision
- Precise reproduction of the preparation line
- Finest surface details
- Lower final hardness
- Good hydrophilicity

Package
- 1 Cartridge @ 380 ml
  - 10 MixStar-Tips White
- 2 Cartridges @ 50 ml
  - 4 Automix-Tips
  - 4 Intraoral-Tips
- 2 Tubes @ 135 ml
  - 1 Non-slip mixing pad
  - 2 Tube keys

Economy Pack
- 5 Cartridges @ 380 ml
  - 50 MixStar-Tips White
- 8 Cartridges @ 50 ml
  - 20 Automix-Tips
  - 20 Intraoral-Tips

Accessories
- 1 MixStar-eMotion mixing unit 230 V int.
  - 1 Bottle @ 10 ml Tray Adhesive
Honigum-Heavy

VPS-based pre-impression material
Indications: crown and bridge impressions, inlay and onlay impressions, all types of pickup impressions, e.g. for implants

Good reasons
- Particularly high final hardness
- Convenient insertion resistance
- Excellent fixation characteristics
- Trouble-free and safe removal
- Consistently homogeneous, bubble-free material quality

Package
- 1 Cartridge @ 380 ml
- 10 MixStar-Tips White
  - Honigum-Heavy
  - Honigum-Heavy Fast
- 2 Cartridges @ 50 ml
- 4 Automix-Tips
  - Honigum-Heavy
  - Honigum-Heavy Fast

Economy Pack
- 5 Cartridges @ 380 ml
- 50 MixStar-Tips White
- Honigum-Heavy
- Honigum-Heavy Fast
- 8 Cartridges @ 50 ml
- 16 Automix-Tips
  - Honigum-Heavy
  - Honigum-Heavy Fast

Accessories
- 1 MixStar-eMotion mixing unit 230 V int.
- 1 Automix-Dispenser Type 50:1:1
- 50 Automix-Tips Green 1:1
- 1 Bottle @ 10 ml Tray Adhesive

Honigum-Putty

VPS-based precision impression material with a putty consistency
Indications: crown and bridge impressions, inlay and onlay impressions

Good reasons for Honigum-MixStar Putty
- True putty consistency from the DMG MixStar cartridge or formable by hand
- Excellent hardening properties from the time the material is dispensed
- Remarkable tear strength
- Unique Snap-Set technology (long working time and short time in the mouth)
- Excellent recovery after deformation
- Superb dimensional stability

Package
- 1 Cartridge @ 380 ml
- 10 MixStar-Tips
  - Honigum-Heavy
  - Honigum-Heavy Fast

Economy Pack
- 5 Cartridges @ 380 ml
- 50 MixStar-Tips White
- Honigum-Heavy
- Honigum-Heavy Fast
- 8 Jars @ 450 ml
- 16 Automix-Tips
  - Honigum-Heavy
  - Honigum-Heavy Fast

Accessories
- 1 MixStar-eMotion mixing unit 230 V int.
- 1 Automix-Dispenser Type 50:1:1
- 50 Automix-Tips Green 1:1
- 1 Bottle @ 10 ml Tray Adhesive
Implantology
Precision around surgery.

What good is the best implant system if it doesn’t have the right partner? Precise diagnostics and planning prevent intraoperative and postoperative complications. Dimensionally and positionally stable impressions of the implant posts are the basis for precision-fit supra-constructions. Reliable materials facilitate safe integration of the prosthetic restoration during placement. As a partner in implantology, DMG uses tried and tested materials to deliver precision and reliability when it comes to implants.

DMG supports dentists in achieving the goal of successful implantation.

<table>
<thead>
<tr>
<th>StatusBlue</th>
<th>LuxaFlow Star</th>
<th>Luxatemp-Glaze &amp; Bond</th>
<th>TempoCemNE</th>
<th>Luxatemp-Inlay</th>
<th>PermaCem 2.0</th>
<th>Silagum-Comfort</th>
</tr>
</thead>
</table>

**Good reasons**
- Situation impressions with precision VPS
- Exact determination of jaw relation
- Reliable transfer of impression posts
- Stable temporaries that support tissue compatibility
- Reliable cementation of implant crowns / bridges
- Effective sealing of screw holes
- Adaptation of removable temporaries

**STEP-BY-STEP IMPLANTATION: WHEN TO USE WHICH MATERIAL**

<table>
<thead>
<tr>
<th>Treatment step</th>
<th>Materials used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implant planning with situation impression / opposing jaw impression</td>
<td>StatusBlue (see p. 49)</td>
</tr>
<tr>
<td>Customized trays for open-tray and closed-tray impressions</td>
<td>Supertec (see p. 57)</td>
</tr>
<tr>
<td>Functional implant integration with determination of jaw relation</td>
<td>O-Bite (see p. 52)</td>
</tr>
<tr>
<td>Fixing and taking impressions of implant posts</td>
<td>Honigum Pro-Heavy (see p. 41)</td>
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<td></td>
<td>Honigum-Heavy (see p. 44)</td>
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<tr>
<td>Implant crowns and bridges for temporary restoration</td>
<td>Luxatemp Star (see p. 63)</td>
</tr>
<tr>
<td></td>
<td>LuxaFlow Star (see p. 65)</td>
</tr>
<tr>
<td></td>
<td>Luxatemp-Glaze &amp; Bond (see p. 65)</td>
</tr>
<tr>
<td>Temporary cementation of implant crowns / bridges</td>
<td>TempoCemNE (see p. 67)</td>
</tr>
<tr>
<td>Obturation of implant screw access canals</td>
<td>Luxatemp-Inlay (see p. 65)</td>
</tr>
<tr>
<td>Permanent cementation of implant crowns / bridges</td>
<td>PermaCem 2.0 (see p. 72)</td>
</tr>
<tr>
<td>Implant-appropriate modification/ relineing of temporary full and partial dentures while healing is in progress</td>
<td>Silagum-Comfort (see p. 55)</td>
</tr>
</tbody>
</table>
Silagum
Reliable, time-tested, universal.

The long practice-proven VPS-based impression material combines impressive material properties with maximum ease of use. The material’s hydrophilicity facilitates improved wettability, and with that guarantees a detailed reproduction of the subgingival areas. Whether hand-mixing, automatic or fully automatic mixing in the DMG MixStar-eMotion, the Silagum family offers a variety of application forms and with that the right and individual solution for all techniques and applications.

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th></th>
<th>Silagum Light</th>
<th>Silagum Medium</th>
<th>Silagum Mono</th>
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<tbody>
<tr>
<td>Mixing time [min]</td>
<td>00:30</td>
<td>00:30</td>
<td>00:30</td>
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<tr>
<td>Max. extraoral working time [min]</td>
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<td>02:15</td>
<td>01:30</td>
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<tr>
<td>Setting time in the mouth [min]</td>
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<td>02:15</td>
<td>03:30</td>
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<td>Dimensional change after 24 h [%]</td>
<td>≤ 0.4</td>
<td>≤ 0.4</td>
<td>≤ 0.5</td>
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<tr>
<td>Compression set [%]</td>
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<td>≤ 0.4</td>
<td>≤ 0.5</td>
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<tr>
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<td>≤ 50</td>
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<td>≤ 3.5</td>
<td>≤ 3.5</td>
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<tr>
<td>Farbe</td>
<td></td>
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<table>
<thead>
<tr>
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<th>Silagum-Mono</th>
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<td>≤ 0.5</td>
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<tr>
<td>Compression set [%]</td>
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<td>Shore-A-hardness</td>
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<td>≤ 70</td>
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<tr>
<td>Strain in compression [%]</td>
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<td>≤ 1.7</td>
</tr>
<tr>
<td>Farbe</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Farbe**

- Light
- Medium
- Mono
- Putty
- MixStar Putty Soft
- Standard
- Fast
- Soft

**Farbe**

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10

**Farbe**

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
Proven correction impression material based on VPS
Indications: crown and bridge impressions, inlay and onlay impressions

Good reasons

- Good hydrophilicity
- Flowable viscosity
- Available as normal or fast setting material

Package
2 Cartridges @ 50 ml
12 Automix-Tips
12 Intraoral-Tips
Silagum-Light REF 909713
Silagum-Light Fast REF 909714

Economy Pack
8 Cartridges @ 50 ml
50 Automix-Tips
50 Intraoral-Tips
Silagum-Light REF 909718
Silagum-Light Fast REF 909720

8 Tubes @ 90 ml
Base and catalyst paste
2 Mixing pads
2 Spatulas
Silagum-Light REF 909422

Accessories
1 Automix-Dispenser Type 50 1:1 REF 909507
50 Automix-Tips Yellow 1:1 REF 909200
50 Intraoral-Tips Yellow REF 909201

Medium viscosity impression material based on VPS
Indications: crown and bridge impressions, inlay and onlay impressions, relining and functional impressions, pressure-spot indication

Good reasons

- Good flow properties
- Good stability
- Normal or fast setting

Package
2 Cartridges @ 50 ml
12 Automix-Tips
12 Intraoral-Tips
Silagum-Medium REF 909716
Silagum-Medium Fast REF 909717

Accessories
1 Automix-Dispenser Type 50 1:1 REF 909507
50 Automix-Tips Yellow 1:1 REF 909200
50 Intraoral-Tips Yellow REF 909201

VPS-based monophase impression material
Indications: crown and bridge impressions, inlay and onlay impressions, functional impressions

Good reasons

- Reproduces the finest surface details owing to its exceptional flow properties
- Easy and precise application by Intraoral-Tips
- Remains firm in the tray and on the preparation
- Slight mint scent in the tube material

Package
2 Cartridges @ 50 ml
4 Automix-Tips
4 Intraoral-Tips REF 909718

Economy Pack
8 Cartridges @ 50 ml
16 Automix-Tips
16 Intraoral-Tips REF 909719
8 Tubes @ 135 ml
Base and catalyst paste
2 Mixing pads
2 Spatulas REF 909427

Accessories
1 Automix-Dispenser Type 50 1:1 REF 909507
50 Automix-Tips Yellow 1:1 REF 909200
50 Intraoral-Tips Yellow REF 909201
**Silagum-Putty**

**VPS-based pre-impression material**
Indications: crown and bridge impressions, inlay and onlay impressions

**Good reasons for Silagum-Putty**
- Easy dosage
- Excellent recovery after deformation
- Exceptional kneadability
- Superb dimensional stability
- Especially suited for two-phase impressions with Silagum-Light/Fast

**Package**
1 Jar @ 262 ml base paste
1 Jar @ 262 ml catalyst paste
Silagum-Putty Standard REF 909018
Silagum-Putty Fast REF 909037
Silagum-Putty Soft REF 909019

**Economy Pack**
4 Jars @ 262 ml base paste
4 Jars @ 262 ml catalyst paste
Silagum-Putty Standard REF 909405
Silagum-Putty Fast REF 909038
Silagum-Putty Soft REF 909036

8 Jars @ 262 ml base paste
8 Jars @ 262 ml catalyst paste
Silagum-Putty Standard REF 909420
Silagum-Putty Soft REF 909485

**Accessories**
1 Bottle @ 10 ml Tray Adhesive REF 909394

**Silagum-MixStar Putty Soft**

**VPS-based pre-impression material**
Indications: crown and bridge impressions, inlay and onlay impressions

**Good reasons for Silagum-MixStar Putty Soft**
- Exceptional dimensional stability
- Consistently homogeneous, bubble-free material quality
- Easy and clean handling
- Direct tray dispensing

**Package**
1 Cartridge @ 380 ml
10 MixStar-Tips REF 909534

**Economy Pack**
5 Cartridges @ 380 ml
50 MixStar-Tips REF 909535

**Accessories**
1 MixStar-eMotion 230 V int. REF 900480
50 MixStar-Tips White REF 909567
1 Bottle @ 10 ml Tray Adhesive REF 909394
StatusBlue
Situations that last.

A perfect couple: StatusBlue combines the advantages of VPS materials (detailed reproduction, excellent recovery after deformation, dimensional stability) with the properties of alginites (short setting time in mouth, hydrophilicity, easy removal). Situation impressions maintain their stability in storage for weeks and can be reused as frequently as required.

And StatusBlue is well-suited for fabricating temporaries as well. Its smooth surface facilitates exceptionally precise models and minimizes polishing.

**In other words, StatusBlue fits in every »situation«.**

---

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Working time [min]</th>
<th>01:15</th>
</tr>
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<tbody>
<tr>
<td>Setting time in the mouth [min]</td>
<td>01:45</td>
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<tr>
<td>Dimensional change after 24 h [%]</td>
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<td>Compression set [%]</td>
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<td>Shore-A-hardness</td>
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<tr>
<td>Strain in compression [%]</td>
<td>≥ 7.0</td>
</tr>
</tbody>
</table>

**Indications:** situation impressions, impressions for temporaries and the fabrication of vacuum-formed stents and impressions of the opposing jaw

**Good reasons**
- Extraordinary dimensional stability
- Very long shelf life
- Repourable
- No time-consuming manual mixing
- Excellent recovery after deformation

---

**Package**

| 1 Cartridge @ 380 ml | REF 909693 |
| 10 MixStar-Tips |
| 2 Cartridges @ 50 ml | REF 909790 |
| 4 Automix-Tips |

**Economy Pack**

| 5 Cartridges @ 380 ml | REF 909694 |
| 50 MixStar-Tips |
| 8 Cartridges @ 50 ml | REF 909791 |
| 16 Automix-Tips |

**Accessories**

| 1 MixStar-eMotion 230 V int. | REF 900480 |
| 50 MixStar-Tips | REF 909567 |
| 1 Automix-Dispenser Type 50 10:1 | REF 110411 |
| 1 Automix-Plunger 4:1 | REF 110630 |
| 25 Automix-Tips Pink | REF 909797 |

Pourable after 10 minutes
**LuxaForm**

Quick impressions for fabricating temporaries.

**Light, lighter, LuxaForm:** This thermoplastic impression polymer boasts unprecedented speed in the creation of impressions for fabricating temporaries. The tablets are simply warmed in warm water and formed around the teeth to be restored. Thus, LuxaForm minimizes the time and outlay involved in temporary restoration significantly. No mixing, no tray, no smear layer on bisacryl temporaries. The material is also pleasantly odorless and highly stable in storage.

**Thermoplastic impression polymer**

Indication: impressions for fabricating temporaries

**Good reasons**

- No mixing
- No tray required
- Stable under storage conditions
- No smear layer on bisacryl temporaries
- Odorless

Applying Luxatemp Star into the LuxaForm impression.
DMG Retraction Paste
Your uncomplicated impression aid.

Every accurate restoration relies on a precise impression. DMG Retraction Paste is particularly helpful here: temporary sulcus retraction has never been this easy or effective and it also includes a gingival astringent component. The developed special resin compule tip can be bent as desired. It can be adjusted to any position, enabling effortless paste application in all areas of the patient’s mouth. The DMG retraction paste’s stability is achieved by its homogeneous consistency, enabling exact placement with optimal retraction results.

Indications: temporary gingival retraction and establishment of a dry sulcus

**Good reasons**

- Easy access directly into the sulcus by individually flexible cannula
- Remains secure in the sulcus thanks to optimum consistency
- Good color contrast by noticeable shading
- Effective gingival retraction made from a base of natural alumina

Package
25 Compules @ 0.35 g
REF 919381
O-Bite
Fresh hardness for optimal occlusion.

O-Bite is one of the hardest VPS products among bite registration materials. Thanks to its high Shore-A hardness level of 93, the material is the ideal partner for precision-fit restorations. No subsequent compression or flexing during repositioning, no inconvenient grinding of the occlusal height. This saves a considerable amount of time as well as ensuring greater patient comfort.

Thanks to its consistent cross-linking structure, the vinyl silicone matrix developed by DMG provides the perfect combination of maximum hardness and reliable break resistance. O-Bite can be worked using both a scalpel and a silicone burr.

With a working time of 30 seconds, and 90 seconds setting time in the mouth once mixing has begun, the setting characteristics of O-Bite are balanced in terms of time.

The fresh and fruity scent of oranges also helps ensure a pleasant treatment experience.

**Good reasons**

▶ One of the hardest VPS-based bite registration materials
▶ Superior break resistance
▶ Fresh fruity orange scent
▶ Minimal bite resistance
▶ Fast-curing

**Package**

<table>
<thead>
<tr>
<th>Cartridges</th>
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<th>12 Automix-Tips</th>
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**Economy Pack**

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<tr>
<th>Cartridges</th>
<th>@ 50 ml</th>
<th>50 Automix-Tips</th>
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**Accessories**

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<tr>
<th>Dispenser</th>
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<tr>
<td>Automix-Tips Pink 1:1</td>
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<tr>
<td>Conturation-Tips</td>
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<td>REF 909203</td>
</tr>
</tbody>
</table>

**Application of O-Bite onto the bite fork.**

**Registration using the bite fork for the facebow.**

**Facebow in position.**

**Facebow with O-Bite for transfer to the articulator.**
O-Bite Scan
Most precise bite registration, now also in digitized format.

O-Bite Scan combines precise bite registration with all the advantages of a digital workflow. The material is one of the hardest VPS-based impression materials. The high final hardness is particularly important for repositioning the bite registration between the models in the articulator, in order to guarantee precision-fit restorations. Softer bite registrations rebound, which means that accurate articulation is no longer possible. This can result in vertical increase of the occlusion after restoration, which requires time-consuming grinding.

The scan variant means that you can also make use of the advantages of a digital workflow. Without investing in equipment, without using scan powder or spray.

With O-Bite Scan you can work in your clinic as you always have: conventionally, precisely, and reliably. And then all options are available to you. The data from the accurate registration are available in digitized format at any time.

Good reasons
• Scannable
• Extremely high final hardness and excellent break resistance
• Minimal bite resistance
• Fresh fruity orange scent
• Can be used easily and precisely for a digital workflow – without the need to purchase expensive technology
• Easy handling, no pretreatment with powder or spray

Package
2 Cartridges @ 50 ml
12 Automix-Tips
Economy Pack
8 Cartridges @ 50 ml
50 Automix-Tips

Accessories
1 Automix-Dispenser Type 50 1:1
50 Automix-Tips Pink 1:1
50 Conturation-Tips

Application of O-Bite Scan onto the dental arch. Registration with O-Bite Scan after removal.
The hardest of all bite registration materials – that’s LuxaBite, thanks to its innovative bis-acrylate chemical structure. The unique hardness (Shore-D 69 / Barcol 25) prevents compression and flexing during repositioning, allowing precise and reliable documentation of the bite. The thixotropic properties prevent run-off into the interdental spaces. Implantologists also benefit from the superior hardness of LuxaBite when securing multiple impression posts to facilitate implant impressions without torsion effects. Dental technicians appreciate being able to position the models without any compression or flexing, as well as the convenient removal of excess material using cross-cut burrs. As a result, dentists are not alone in benefitting from the new dimension in hardness offered by LuxaBite.

Indications: fixation of impression posts for implant impressions, bite registrations

Good reasons
- The hardest bite registration material (Barcol hardness 25 after one hour)
- No compression or flexing when repositioned on the model
- Tasteless and odorless
- Excellent stability
- Easy to cut

Package
1 Cartridge @ 50 ml
15 Automix-Tips
REF 110560

Economy Pack
5 Cartridges @ 50 ml
75 Automix-Tips
REF 110558

Accessories
1 Automix-Dispenser
Type 50:10:1
REF 110411
25 Automix-Tips Yellow 10:1
REF 110609
Regardless of whether dentures are total, partial or implant-supported – the durably soft relining material Silagum-Comfort is the product of choice. The convincing benefits of this VPS material: the methyl methacrylate-free product provides for reliable bonding with all commercially available prosthetic materials and offers outstanding tear resistance. This has been confirmed, for example, by an independent study conducted by the renowned Nordic Institute of Dental Materials (NIOM, Oslo).* Silagum-Comfort also has a neutral taste and scent, offers particularly high patient comfort, and, thanks to its high shade stability, also provides for excellent esthetics.

Indication: relining for total, partial and implant anchored dentures

**Good reasons**

- Excellent bond to the denture
- Durably soft
- Superior tear strength
- Odorless and tasteless
- User-friendly handling
- Outstanding esthetics due to high shade stability

Starter Pack

- 1 Cartridge @ 25 ml
- 1 Automix-Dispenser
- 5 Automix-Tips
- 1 Bottle Primer @ 5 ml
- 2 Bottles Varnish @ 10 ml
- 25 Brushes
- 5 Silicone Trimmers
- 1 Mandrel

Package

- 1 Cartridge @ 25 ml
- 5 Automix-Tips
- 1 Cartridge @ 50 ml
- 12 Automix-Tips

Economy Pack

- 8 Cartridges @ 50 ml

Accessories

- 2 Bottles @ 10 ml Silagum-Comfort Varnish
- 1 Bottle @ 5 ml Silagum-Comfort Primer
- 1 Automix-Dispenser Type 25 1:1
- 1 Automix-Dispenser Type 50 1:1
- 50 Automix-Tips Yellow 1:1
- 1 Silicone Trimming Set
- 25 Silicone Trimmers
- 1 Mandrel

LuxaPick-up
The prosthesis professional that can do more.

When it comes to perfectly fitting dentures, LuxaPick-up makes the work much easier. The gingiva-shaded composite based on multi-functional methacrylates is your best choice for:

- The retention elements can be directly polymerized intraorally. This ensures a tension-free, secure hold on implants.
- The removable dentures can be easily adapted to changing mucosal beds – thanks to direct chairside use. LuxaPick-up offers a quick and cost-effective way to restore functionality. No time delay due to external laboratory work, no inaccuracies.

Quick and easy. With no MMA or peroxide.

Indications: Direct hard relining of dentures, fixation of secondary parts and connection elements in implant-borne dentures

Good reasons
- Direct hard relining of dentures
- Fixation of secondary parts and connection elements in implant-borne dentures
- Particularly bio-compatible: no MMA, no peroxide
- Tension-free, reliable support
- Direct chairside use
- Ideal for repairing prostheses and individualization of intermediate dentures

Speciality
- Luxatemp-Glaze & Bond for optimum adhesive bond and reliable sealing (see p. 65)

Package
- 1 Cartridge @ 76 g
- 15 Automix-Tips Shade Pink
  REF 214007
- Accessories
  - 45 Automix-Tips Blue 10:1
    REF 110409
Wherever customized impression trays are needed for partial or full dentures, Supertec is the right choice. The prefabricated light-curing base plates are easy to form, adapt, and trim. Under normal laboratory light conditions Supertec can be processed for a long time and impresses with its uniform plate thickness. The finished tray can be used straight away, no need for extensive post-polymerization. The material’s modulus of elasticity provides excellent dimensional stability maintaining the tray’s original form in the galvanization process. What’s more, Supertec is odorless and resistant to disinfectant solutions.

**Supertec**

Ultra-light design custom trays.

Light-curing impression tray material
Indications: precision work in the field of crowns, bridges, partial and full dentures as well as implants

**Good reasons**

- Easy to form, adapt and trim
- Long working time
- Odorless
- Surplus material can be re-used
- Curing with standard laboratory light-units with UV- and/or halogen light (at least 240 to 520 nm)
- Even thickness

<table>
<thead>
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</thead>
<tbody>
<tr>
<td></td>
<td>50 Trays lower jaw rose</td>
<td>REF 210411</td>
</tr>
</tbody>
</table>

Supertec: prefabricated plates can easily be formed and trimmed. Individual jaw tray with Supertec: the basis for precise impressions.
MixStar
High-Speed Design.

The DMG MixStar-eMotion sets new standards. Its forward-looking technology makes it:

**Easier.** The MixStar-eMotion is extremely easy to operate. With one quick push-button operation the material is automatically dosed, mixed, and dispensed with electronic precision. And to further simplify the work process the unit features two timers for working time and setting time. The time settings for different impression materials can be pre-programmed, stored and easily retrieved.

**Faster.** The MixStar-eMotion features three speed levels. At the highest level, the material can be dispensed twice as fast as with the previous model, the MixStar. In other words, you can save up to 20 seconds when filling the impression tray.

**Safe.** Electronically controlled, the MixStar-eMotion delivers an invariably homogenous and bubble-free material quality. The material dispensed into the tray is always precisely dosed and material waste is reduced to a minimum. By programming and storing the correct working and setting times mixing and impression errors can be prevented.

Colored sliders and labels with the corresponding times for working and intraoral setting times. Easy loading of a syringe at speed level 1. Quick loading of a tray at speed levels 2 or 3.

---

**PROGRAM PRESETS OF THE MIXSTAR-EMOTION**

<table>
<thead>
<tr>
<th>Program / Material</th>
<th>Working time</th>
<th>Recommended time in mouth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honigum-Heavy</td>
<td>2:15 min</td>
<td>3:15 min</td>
</tr>
<tr>
<td>Honigum-Heavy Fast</td>
<td>1:15 min</td>
<td>2:00 min</td>
</tr>
<tr>
<td>Honigum-MixStar Putty</td>
<td>1:45 min</td>
<td>3:15 min</td>
</tr>
<tr>
<td>Honigum-Mono</td>
<td>2:00 min</td>
<td>3:15 min</td>
</tr>
<tr>
<td>StatusBlue</td>
<td>1:15 min</td>
<td>1:45 min</td>
</tr>
<tr>
<td>Silagum-MixStar Putty Soft</td>
<td>2:00 min</td>
<td>3:30 min</td>
</tr>
</tbody>
</table>
Tray Adhesive

Tray adhesive for all VPS materials

Indication: tray adhesive for bonding VPS materials with metal and plastic trays

Good reasons

- Promotes a very good bond of VPS-based impression materials in the impression tray
- Easy to apply and handle
- Short setting time after the application
- Blue color visual control

Good reasons

- Fully automatic
- Delivery twice as fast as with the previous MixStar model
- 3 selectable speeds
- 2 timers for working and setting times
- Easy to use and quick processing
- Suitable for foil bags and cartridges

Packaging

1 Bottle @ 10 ml REF 909394
Economy Pack
10 Bottles @ 10 ml REF 909396

Program Presets of the MixStar-eMotion

<table>
<thead>
<tr>
<th>Program / Material</th>
<th>Working time</th>
<th>Recommended time in mouth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honigum Pro-Heavy</td>
<td>2:45 min</td>
<td>3:15 min</td>
</tr>
<tr>
<td>Honigum Pro-Heavy Fast</td>
<td>1:30 min</td>
<td>2:00 min</td>
</tr>
<tr>
<td>Honigum Pro-MixStar Putty</td>
<td>1:45 min</td>
<td>3:15 min</td>
</tr>
<tr>
<td>Honigum Pro-Mono</td>
<td>2:45 min</td>
<td>3:15 min</td>
</tr>
<tr>
<td>Honigum Pro-Mono Fast</td>
<td>1:30 min</td>
<td>2:00 min</td>
</tr>
</tbody>
</table>

Program Presets of the MixStar-eMotion
TEMPORARY CARE

Crown and bridge material
Temporary Cementation
Luxatemp
Perfect temporaries.

For many years now, the name Luxatemp has been associated internationally with precision-fit temporary crowns and bridges. Whether Luxatemp-Plus, the established classic, Luxatemp-Fluorescence for superior natural esthetics or Luxatemp Star for the highest standards in stability and esthetics: today, dentists in over 80 countries trust the multi-award-winning quality of Luxatemp.

The Luxatemp range offers an entire system of top-class coordinated materials for temporary restoration.

»Best of the Best«:
The products in the Luxatemp range have been and continue to be rigorously tested by international testing institutes. The results: excellent.

Speciality
The ideal solution for all temporary restorations: TempoCemNE (see p. 67), LuxaFlow Star (see p. 65), Luxatemp-Glaze & Bond (see p. 65) and StatusBlue (see p. 49)

* 2015 Top Provisional – Esthetic Award for Luxatemp Star (Luxatemp Star is sold in the U.S. as »Luxatemp Ultra« and was tested under that name by The Dental Advisor.)
Luxatemp application.

Minimally-invasive veneer preparation following trauma to tooth 21.

The wax-up simulates the temporary.

Filling of the silicone index with Luxatemp Star.

Insertion of the silicone index into the mouth.

Removal of the working temporary from the silicone index.

Coarse finishing using the acrylic bur.

Inclusion of mamelon structures using the finishing disc.

Refinement of the incisal edge with translucent EcuSphere-Shine.

Following final finishing with Luxatemp-Glaze & Bond.

### TECHNICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>Luxatemp Star</th>
<th>Luxatemp-Fluorescence</th>
<th>Luxatemp-Plus</th>
<th>Luxatemp-Solar</th>
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</thead>
<tbody>
<tr>
<td>Insertion in the mouth [min]</td>
<td>00:45</td>
<td>00:45</td>
<td>00:45</td>
<td>01:10</td>
</tr>
<tr>
<td>Removal from the mouth [min]</td>
<td>1:30-2:20</td>
<td>2:00-3:00</td>
<td>2:00-3:00</td>
<td>2:00-4:00</td>
</tr>
<tr>
<td>Setting time in the mouth [min]</td>
<td>5:00</td>
<td>6:00 - 7:00</td>
<td>6:00-7:00</td>
<td></td>
</tr>
<tr>
<td>Light-curing [s per unit]</td>
<td></td>
<td></td>
<td></td>
<td>20 (curing light), &gt; 60 (light oven)</td>
</tr>
<tr>
<td>Temperature rise during polymerization max. [°C]</td>
<td>≈ 41.7</td>
<td>39.5</td>
<td>39.5</td>
<td>≈ 38</td>
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<tr>
<td>Compressive strength [MPa]</td>
<td>376</td>
<td>347</td>
<td>347</td>
<td>300</td>
</tr>
<tr>
<td>Flexural strength [MPa]</td>
<td>125</td>
<td>96</td>
<td>96</td>
<td>88</td>
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<tr>
<td>Diam. tensile strength [MPa]</td>
<td>52</td>
<td>55</td>
<td>55</td>
<td>36</td>
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<tr>
<td>Barcol hardness</td>
<td>55</td>
<td>50</td>
<td>50</td>
<td>35</td>
</tr>
<tr>
<td>Water absorption max. [µg/mm³]</td>
<td>10</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fracture toughness [MPa ·√m]</td>
<td>01. Juni</td>
<td>Jan 32</td>
<td>Jan 32</td>
<td></td>
</tr>
</tbody>
</table>
Luxatemp Star

Bis-acrylic temporary crown and bridge material
Indications: temporary crowns, bridges, inlays, onlays, partial crowns, veneers and long-term temporaries

**Good reasons**

- For incredibly stable and top-quality esthetic temporaries that meet the highest standards
- Substantially higher break resistance and flexural strength
- Improved initial hardness
- Faster achievement of final hardness
- Optimum stability and durability
- Excellent esthetics and long-term color stability
- Great adaption and fit
- Ideal for fabrication of mock-ups

**Package**

- 1 Smartmix-syringe @ 15 g
- 10 Smartmix-Tips
  - Shade A2
  - Shade A3
  - Shade B1
  - Shade Bleach Light
- 1 Cartridge @ 76 g
  - Shade A2
  - Shade A3
  - Shade A3.5
  - Shade B1
  - Shade Bleach Light

**Economy Pack**

- 5 Cartridges @ 76 g
- 75 Automix-Tips
  - Shade A2
  - Shade A3
- Accessories
  - 50 Smartmix-Tips Green-Blue
  - 45 Automix-Tips Blue 10:1
  - 1 Automix-Dispenser Type 50 10:1
  - 1 Automix Plunger Type 50 10:1

Luxatemp-Fluorescence

Bis-acrylic temporary crown and bridge material
Indications: temporary crowns, bridges, inlays, onlays, partial crowns, veneers and long-term temporaries

**Good reasons**

- Natural fluorescence in six shades
- Minimal composite polymerization shrinkage
- High break resistance and resistance to abrasion
- Excellent shade stability
- Low allergenic potential
- Suitable for long-term temporaries

**Package**

- 1 Smartmix-syringe @ 15 g
- 10 Smartmix-Tips
  - Shade A1
  - Shade A2
  - Shade A3
  - Shade A3.5
  - Shade B1
  - Shade Bleach Light
- 1 Cartridge @ 76 g
  - Shade A1
  - Shade A2
  - Shade A3
  - Shade A3.5
  - Shade B1
  - Shade Bleach Light

**Economy Pack**

- 5 Cartridges @ 76 g
- 75 Automix-Tips
  - Shade A2
  - Shade A3
- Accessories
  - 50 Smartmix-Tips Green-Blue
  - 45 Automix-Tips Blue 10:1
  - 1 Automix-Dispenser Type 50 10:1
  - 1 Automix Plunger Type 50 10:1
**Luxatemp-Plus**

**Bis-acrylic temporary crown and bridge material**
Indications: temporary crowns, bridges, inlays, onlays, partial crowns, veneers and long-term temporaries

**Good reasons**
- An established classic for immediate precision-fit temporaries
- Simple and quick to apply to the impression
- For effective temporaries right from the start
- A precision-fit you can rely on
- Optimized resistance to abrasion
- High flexural strength
- Very good biocompatibility
- Available in five shades

**Package**
- 1 Cartridge @ 76 g
- 15 Automix-Tips
  - Shade A1
  - Shade A2
  - Shade A3.5
  - Shade B1
  - Shade Bleach Light

**Economy Pack**
- 5 Cartridges @ 76 g
- 75 Automix-Tips

**Accessories**
- 45 Automix-Tips Blue 10:1
- 1 Automix-Dispenser Type 50 10:1


**Luxatemp-Solar**

**Dual-curing, bis-acrylic temporary crown and bridge material**
Indications: temporary crowns, bridges, inlays, onlays, partial crowns, veneers and long-term temporaries

**Good reasons**
- Light-cured version of the established classic
- Setting time can be user-determined
- Easier removal of the temporaries thanks to its extended elastic phase
- No undercut fracturing
- High final hardness immediately after light-cure
- Especially suited for multi-unit restorations

**Package**
- 1 Cartridge @ 76 g
- 15 Automix-Tips Shade A2

**Economy Pack**
- 5 Cartridges @ 76 g
- 75 Automix-Tips

**Accessories**
- 45 Automix-Tips Blue 10:1
- 1 Automix-Dispenser Type 50 10:1
Luxatemp-Inlay

Light-curing composite for temporary restoration using inlay preparations
Indications: temporary care for inlay preparations, temporary obturation of implant screw access canals

Good reasons
• Does not stick to the instrument
• Removable in one piece
• Improved chewing stability
• Easy to model
• 7 mm curing depth

Package
2 Syringes @ 2.5 g

Luxatemp-Glaze & Bond

Light-curing varnish for repairing and sealing of temporary crowns and bridges
Indications: Repairing and sealing of temporary crowns and bridges, primer/bonding agent for indirect restorations of PEEK/composite and PMMA

Good reasons
• High gloss without polishing
• Excellent bond with repair materials
• Extraordinary abrasion resistance
• Low surface roughness

Package
1 Bottle @ 5 ml
25 Brushes

LuxaFlow Star

Flowable light-curing composite
Indications: enhancement and repair of bis-acrylate temporaries, small class III, IV and V cavity fillings, minimally-invasive fillings, underfillings

Good reasons
• Natural fluorescence
• Excellent polishing properties
• Luer-Lock tips for precise and direct applications
• Fluid during and stable after application
• Radiopaque

Starter Pack
4 Syringes @ 1.5 g
Shades: A1, A2, A3.5, B1
20 Luer-Lock-Tips

Package
2 Syringes @ 1.5 g
10 Luer-Lock-Tips
Shade A1
Shade A2
Shade A3
Shade A3.5
Shade B1

Accessories
60 Luer-Lock-Tips, Black
TempoCem
The temporary cement that keeps its promise.

Be it secure fit or easy removability, the zinc oxide-based TempoCem masters both disciplines well. The material’s thin film thickness facilitates perfect fit and excess material is easily removed. Eugenol-containing and eugenol-free TempoCem versions are available for different requirements. All TempoCem variants are automatically mixed and directly applied. It’s as simple as that. As a member of the Luxatemp range, this cement offers the ideal solution for temporary restorations.

### TECHNICAL DATA

<table>
<thead>
<tr>
<th></th>
<th>TempoCemNE</th>
<th>TempoCem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working time [min]</td>
<td>01:00</td>
<td>01:00</td>
</tr>
<tr>
<td>Setting time in the mouth [min]</td>
<td>4:00-5:00</td>
<td>04:00</td>
</tr>
<tr>
<td>Film thickness [µm]</td>
<td>11</td>
<td>9</td>
</tr>
<tr>
<td>Compressive strength [MPa]</td>
<td>4.8</td>
<td>7.10</td>
</tr>
</tbody>
</table>
**TempoCemNE**

Eugenol-free, provisional zinc oxide-based luting cement

**Indications:** temporary cementation of temporary and permanent crowns, bridges, inlays and onlays

**Good reasons**
- Universal use
- No influence on resin-based materials
- Direct application into the temporary
- Good adhesion yet easy removal of temporary restoration
- Easy and clean withdrawal of excess
- Exceptional fit through thin film thickness
- No postoperative sensitivity
- Thermal pulp protection

**Package**
- TempoCemNE-Smartmix
  - 2 Smartmix-syringes @ 11 g
  - 20 Smartmix-Tips Short
  - TEMPERATURE REF 212104
- TempoCemNE-Automix
  - 1 Cartridge @ 63 g
  - 35 Automix-Tips
  - TEMPERATURE REF 110272
- TempoCemNE-Handmix
  - 1 Tube @ 85 g base paste
  - 1 Tube @ 25 g catalyst paste
  - TEMPERATURE REF 110137

**Accessories**
- 50 Smartmix-Tips Short
  - TEMPERATURE REF 212040
- 100 Automix-Tips Blue 1:1
  - TEMPERATURE REF 110267
- 50 Automix-Tips Blue 1:1
  - TEMPERATURE REF 110266
- 1 Automix-Dispenser Type 25 1:1
  - TEMPERATURE REF 110253

**TempoCem**

Eugenol-containing, provisional zinc oxide-based luting cement

**Indications:** temporary luting of provisional and permanent crowns, bridges, inlays and onlays, temporary cementation of implant-borne restorations

**Good reasons**
- Calming effect due to eugenol
- Direct application into the temporary
- Optimized adhesion and removal
- Easy and clean removal of excess

**Package**
- TempoCem-Smartmix
  - 2 Smartmix-syringes @ 11 g
  - 20 Smartmix-Tips Short
  - TEMPERATURE REF 212104
- TempoCem-Automix
  - 1 Cartridge @ 63 g
  - 35 Automix-Tips
  - TEMPERATURE REF 110247

**Accessories**
- 50 Smartmix-Tips Short
  - TEMPERATURE REF 212040
- 100 Automix-Tips Blue 1:1
  - TEMPERATURE REF 110267
- 50 Automix-Tips Blue 1:1
  - TEMPERATURE REF 110266
- 1 Automix-Dispenser Type 25 1:1
  - TEMPERATURE REF 110253
LuxaCrown
The easiest way to long-lasting crowns.

The unique LuxaCrown allows for the simple, quick and cost-effective manufacture of long-lasting crowns – directly chairside. In this way you can offer your patients an excellent and reliable alternative to lab processed crowns. The easy to produce LuxaCrown is precision-fit, cost-effective and exceptionally long-lasting with a wear duration of up to five years. Discover the new possibilities for you and your patients.

With DMG’s LuxaCrown.

Indications: crown and bridge restorations; for restoration of the anatomical form in order to provide durable protection for the remaining tooth, in order to restore chewing function, for esthetic corrections

Good reasons
- Excellent fracture toughness and flexural strength
- Excellent polishability
- Optimum curing time
- Simple processing
- Reliable durability: wear duration up to five years

Package
- 1 Cartridge @ 50 ml
- 15 Automix-Tips
- Shade A1
- Shade A2
- Shade A3
- Shade A3.5
- Shade B1
- Shade B3
- Shade C2
- Shade D2

Accessories
- 1 Automix-Dispenser
  Type 50:1
- 1 Automix-Plunger 50:1
- 45 Automix-Tips Blue 10:1

Initial situation.
The wax-up/mock-up simulates the restoration.
Prepared tooth.
Applying LuxaCrown into the impression.
LuxaCrown crown.
Final result.
Flexural strength in MPa

Temporary restorations

<table>
<thead>
<tr>
<th>Material</th>
<th>Flexural Strength (MPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protemp 4</td>
<td>96</td>
</tr>
<tr>
<td>Structur Premium</td>
<td>114</td>
</tr>
</tbody>
</table>

Semi-permanent restoration

<table>
<thead>
<tr>
<th>Material</th>
<th>Flexural Strength (MPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LuxaCrown</td>
<td>154</td>
</tr>
</tbody>
</table>

Permanent restorations

<table>
<thead>
<tr>
<th>Material</th>
<th>Flexural Strength (MPa)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vitablocs</td>
<td>111</td>
</tr>
<tr>
<td>Cerec blocs</td>
<td>115</td>
</tr>
<tr>
<td>Ambarino</td>
<td>139</td>
</tr>
<tr>
<td>High Class</td>
<td>141</td>
</tr>
</tbody>
</table>

Source: Internal DMG measurement, Hamburg 2014, data on file

Source: Thomas Niem; N. Youssef; B. Wöstmann/ Justus-Liebig-Universität Giessen; Poster 3558 – Physical Properties of Resin-based and Ceramic CAD/CAM Millingblocks
PermaCem 2.0
Inseparable.
Zirkon and PermaCem 2.0.

**Luting made easy.**
Thanks to its monomer formula, PermaCem 2.0 provides outstandingly strong adhesion to zirconia ceramics – with no additional bonding or etching needed. And PermaCem 2.0 can do even more. This dual-curing luting expert is universally applicable and achieves superior adhesion to other materials, such as metal and metal alloys, silicate and oxide ceramics, and composites. Furthermore, the material works up rather well:

**easy excess removal, no dripping, precise flow into all areas – the Flow-2.0 formula makes it possible.**

---

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th></th>
<th>PermaCem 2.0</th>
<th>PermaCem-Dual</th>
<th>PermaCem</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working time [min]</td>
<td>01:00</td>
<td>02:00</td>
<td>02:00</td>
</tr>
<tr>
<td>Excess removal after placement [min]</td>
<td>0:30-1:00</td>
<td>1:30-2:00</td>
<td>1:30-2:00</td>
</tr>
<tr>
<td>Light curing [s] (immediate fixation)</td>
<td>20</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Setting time in the mouth [min]</td>
<td>07:00</td>
<td>05:00</td>
<td>05:00</td>
</tr>
<tr>
<td>Compressive strength [MPa]</td>
<td>&gt; 200</td>
<td>&gt; 200</td>
<td>&gt; 200</td>
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<tr>
<td>Film thickness [µm]</td>
<td>&lt; 20</td>
<td>&lt; 15</td>
<td>&lt; 15</td>
</tr>
</tbody>
</table>
Self-adhesive, dual-curing composite luting cement

Indications: permanent cementation of inlays, onlays, crowns, bridges and root posts, permanent cementation of crowns and bridges on implant abutments

Good reasons
• One for all
• Time-saving and easy-to-use without etching and bonding
• Universal use
• Secure fit to tooth and restoration
• Effective on all standard restoration materials
• Outstandingly strong adhesive to zirconia, silicate and oxide ceramics
• Minimal water absorption
• Optimum consistency
• Extraordinary flow under pressure
• Easiest, stress free excess removal
• Outstanding radiopacity
• Good Shade Stability

Package
1 Smartmix-syringes @ 9 g
15 Smartmix-Tips Short
5 Smartmix-Tips Endo M
Shade Transparent REF 213368
Shade A2 Universal REF 213366
Shade A3 Opaque REF 213367

Economy Pack
3 Smartmix-syringes @ 9 g
45 Smartmix-Tips Short
15 Smartmix-Tips Endo M
Shade Transparent REF 213382
Shade A2 Universal REF 213380
Shade A3 Opaque REF 213381

Accessories
50 Smartmix-Tips Short REF 212040
20 Smartmix-Tips Endo M REF 213373

Adhesive, dual-curing luting cement

Indications: final cementation of crowns, bridges, inlays and onlays

Good reasons
• Reduced setting time due to light-cure
• Universal use
• Also suitable for all-ceramic works
• Insoluble in a wet environment
• Low film thickness for perfect fit
• Easy removal of excess
• Continuous fluoride release
• Radiopaque

Package
PermaCem-Smartmix Dual
2 Smartmix-syringes @ 10 g
20 Smartmix-Tips Short REF 212035
PermaCem-Automix Dual
1 Cartridge @ 52 g
35 Automix-Tips REF 110524

Zubehör
50 Smartmix-Tips Short REF 212040
100 Automix-Tips Blue 1:1 REF 110267
50 Automix-Tips Blue 1:1 REF 110266
1 Automix-Dispenser Type 25:1:1 REF 110253

Accessories
50 Smartmix-Tips Short REF 212040
100 Smartmix-Tips Blue 1:1 REF 110267
50 Smartmix-Tips Blue 1:1 REF 110266
1 Automix-Dispenser Type 25:1:1 REF 110253

Adhesive, self-curing luting cement

Indications: final cementation of crowns, bridges, inlays and onlays

Good reasons
• Self-curing
• Universal use
• Also suitable for all-ceramic works
• Insoluble in a wet environment
• Low film thickness for perfect fit
• Easy removal of excess
• Continuous fluoride release
• Radiopaque

Package
PermaCem-Smartmix
2 Smartmix-syringes @ 10 g
20 Smartmix-Tips Short REF 212034
PermaCem-Automix
1 Cartridge @ 52 g
35 Automix-Tips REF 110293

Accessories
50 Smartmix-Tips Short REF 212040
100 Automix-Tips Blue 1:1 REF 110267
50 Automix-Tips Blue 1:1 REF 110266
1 Automix-Dispenser Type 25:1:1 REF 110253
Vitique
Veneer cementation with added value.

The Vitique veneer system has been specially developed for the esthetic cementation of superior quality veneer restorations. This premium composite-based cementation system includes a Cementation Kit with cements and try-in pastes, as well as an Accessory Kit with etching gel, silane and bonding agent. In addition to the product itself, Vitique also supports dentists with practice-related services.

Exact preview
The Vitique Cementation Kit contains Try-In-Paste for each individual shade. Precise shade matching allows a reliable preview of the end result.

Practical handling, easy removal of excess material
A special Veneer-Tip was developed to simplify the placement of veneers. This allows the material to be evenly applied in one flat strip. The material consistency optimized for application ensures easy removal of excess material.

Comprehensive user support
Vitique supports you with a comprehensive range of services. These include the illustrated step-by-step user guide, for example, as well as the veneer video tutorial.
Veneer cementation with added value
Indications: definitive, highly esthetic cementation of ceramic or composite veneers

Good reasons
- Complete, superior-quality system for veneer cementation
- Broad range of shades
- Exact shade match between Try-In-Paste and cement
- Particularly easy clean-up
- High shade stability
- Value-added and comprehensive application support

Cementation System
3 Syringes @ 6 g Esthetic Resin Cement
Shades: A2.5, B1, TR
3 Syringes @ 3.9 g Try-In-Paste
Shades: A2.5, B1, TR
1 Syringe @ 2 ml Etching Gel
1 Bottle @ 5 ml TECO
1 Bottle @ 3 ml Vitique Silane Adhesive
1 Bottle @ 3 ml Vitique Silane Activator
Accessories REF 213080

Cementation Kit
3 Syringes @ 6 g Esthetic Resin Cement
Shades: A2.5, B1, TR
3 Syringes @ 3.9 g Try-In-Paste
Shades: A2.5, B1, TR
50 Veneer-Tips REF 213081

Accessory Kit
1 Syringe @ 2 ml Etching Gel
1 Bottle @ 5 ml TECO
1 Bottle @ 3 ml Vitique Silane Adhesive
1 Bottle @ 3 ml Vitique Silane Activator
Accessories REF 213082

Package
1 Syringe @ 6 g Esthetic Resin Cement
10 Veneer-Tips
Shade A1 REF 213038
Shade A2.5 REF 213039
Shade A4 REF 213040
Shade B1 REF 213041
Shade Bleach Light REF 213042
Shade Transparent REF 213043
Shade White REF 213044
Shade Pink REF 213045

Package
1 Syringe @ 3.9 g Try-In-Paste
10 Veneer-Tips
Shade A1 REF 213048
Shade A2.5 REF 213049
Shade A4 REF 213050
Shade B1 REF 213051
Shade Bleach Light REF 213052
Shade Transparent REF 213053
Shade White REF 213054
Shade Pink REF 213055

Accessories Vitique
100 Veneer-Tips REF 213057

The bonding agent for ceramic and luting composites
Indications: conditioning of siliceous ceramic substrates

Good reasons
- Reliable bond
- 1:1 mixing ratio
- Fresh mix for each application based on the two components

Vitique Silane

Package
1 Bottle @ 3 ml Vitique Silane Adhesive
1 Bottle @ 3 ml Vitique Silane Activator
50 Brushes
1 Brush holder REF 213118
## Prevention and Infiltration

### When to use which material?

<table>
<thead>
<tr>
<th>Material</th>
<th>Cleaning</th>
<th>Remineralization</th>
<th>Fluoride therapy</th>
<th>Dentine sensitivity</th>
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<tr>
<td>Flairesse paste</td>
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<td>Flairesse gel</td>
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<td>Flairesse foam</td>
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<td>Flairesse varnish</td>
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<th>Material</th>
<th>Caries - intact surface</th>
<th>Esthetics</th>
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<tr>
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<td>E1</td>
<td>Fluorosis</td>
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<td></td>
<td>E2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>D1</td>
<td>Cariogenic white spots</td>
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### Notes:

- **铋**: Use highly recommended
- **白**: Use recommended
## Restorative dentistry
### When to use which material?

<table>
<thead>
<tr>
<th>Type of material</th>
<th>Composite</th>
<th>Nano-Hybrid-Composite</th>
<th>Hybrid-Composite</th>
<th>Composite</th>
<th>Compomere</th>
<th>Composite</th>
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<tbody>
<tr>
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<td>Class V</td>
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<td>Direct inlays/onlays</td>
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<td>Direct veneers</td>
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<td>Deciduous teeth</td>
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<td>Liner</td>
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<td>Root caries</td>
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<td>Minimal invasive</td>
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<tr>
<td>Restoration of temporaries</td>
<td></td>
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<tr>
<td>Core build-up</td>
<td></td>
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</tr>
</tbody>
</table>

| Number of shades | 6 | 3 | 12 | 4 | 3 | 4 | 1 | 3 |


| Curing time      | 20 s | 20 s | 20 s | 20 s | 20 s | 20 s | 20 s | 40 s |

| Light-cure       | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] |
| Self-cure        | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] |
| Radiopaque        | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] |

| Application       | 2 g Luer-Lock-syringe | 4 g syringe, 0.25 g Safetip | 3 g syringe, 0.3 g Safetip | 3 g syringe, 0.3 g Safetip | 2.5 g Luer-Lock-syringe | 1.5 g Luer-Lock-syringe | 0.33 g Safetip, 1.5 g Luer-Lock-syringe | 9 g Smartmix-syringe, 48 g Automix-cartridge |

| ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] | ![Icon] |
### Adhesives
When to use which material?

<table>
<thead>
<tr>
<th>Technique</th>
<th>TECO</th>
<th>LuxaBond-Total Etch</th>
<th>Contax</th>
<th>Contax + Activator</th>
<th>Ecosite-Bond</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total-Etch</td>
<td>✔</td>
<td>✔</td>
<td></td>
<td></td>
<td>✔</td>
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<tr>
<td>Self-Etch</td>
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<table>
<thead>
<tr>
<th>For adhesive cementation of</th>
<th>TECO</th>
<th>LuxaBond-Total Etch</th>
<th>Contax</th>
<th>Contax + Activator</th>
<th>Ecosite-Bond</th>
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</thead>
<tbody>
<tr>
<td>Light-curing restorative materials</td>
<td></td>
<td></td>
<td>✔</td>
<td></td>
<td>✔</td>
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<tr>
<td>Self and dual-curing restorative materials</td>
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<td></td>
<td>✔</td>
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<td>✔</td>
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<table>
<thead>
<tr>
<th>Curing mode of the adhesive</th>
<th>TECO</th>
<th>LuxaBond-Total Etch</th>
<th>Contax</th>
<th>Contax + Activator</th>
<th>Ecosite-Bond</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light-cure</td>
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<td>✔</td>
<td></td>
<td>✔</td>
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<tr>
<td>Dual-cure</td>
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<table>
<thead>
<tr>
<th>Usage in combination with DMG products</th>
<th>TECO</th>
<th>LuxaBond-Total Etch</th>
<th>Contax</th>
<th>Contax + Activator</th>
<th>Ecosite-Bond</th>
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</thead>
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<tr>
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<td>PermaCem</td>
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<td>✔</td>
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<td>PermaCem-Dual</td>
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<td>LuxaCore Z-Dual</td>
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<thead>
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<th>TECO</th>
<th>LuxaBond-Total Etch</th>
<th>Contax</th>
<th>Contax + Activator</th>
<th>Ecosite-Bond</th>
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<tbody>
<tr>
<td>Core build-up</td>
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<td>Luting of veneers</td>
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<td>Root canal</td>
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<tr>
<td>Luting of indirect restorations</td>
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# Impression

## When to use which material?

<table>
<thead>
<tr>
<th>Material</th>
<th>Crown and bridge impressions</th>
<th>Inlay and onlay impressions</th>
<th>Implant impressions</th>
<th>Fixation impressions</th>
<th>Functional impressions</th>
<th>Pressure-spot indication</th>
<th>Situation impression</th>
<th>Pickup impression</th>
<th>Impressions for the fabrication of temporaries</th>
<th>Impressions for the fabrication of vacuum formed templates</th>
<th>Opposing jaw models</th>
<th>Fabrication of models</th>
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<tbody>
<tr>
<td>Honigum Pro-Light</td>
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<td>✅</td>
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# Impression with Honigum Pro

<table>
<thead>
<tr>
<th>Viscosity</th>
<th>Honigum Pro-Light</th>
<th>Honigum Pro-Mono</th>
<th>Honigum Pro-Heavy</th>
<th>Honigum Pro-Putty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low viscosity</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Medium viscosity</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>High viscosity</td>
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<table>
<thead>
<tr>
<th>Setting behavior</th>
<th>Normal-curing</th>
<th>Fast-curing</th>
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<tr>
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<th>Technique</th>
<th>Monophase</th>
<th>Double-mixing</th>
<th>Correction</th>
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<tr>
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<thead>
<tr>
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<table>
<thead>
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<th>Insertion resistance</th>
<th>Low</th>
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</table>
## Impression with Honigum

<table>
<thead>
<tr>
<th></th>
<th>Honigum Light</th>
<th>Honigum Mono</th>
<th>Honigum Heavy</th>
<th>Honigum Putty</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Mixing time [min]</strong></td>
<td>50/25</td>
<td>50/25</td>
<td>380</td>
<td>50</td>
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<tr>
<td><strong>Intraoral working time [min]</strong></td>
<td>00:30</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>Max. extraoral working time [min]</strong></td>
<td>02:15</td>
<td>01:30</td>
<td>02:00</td>
<td>02:15</td>
</tr>
<tr>
<td><strong>Setting time in the mouth [min]</strong></td>
<td>03:30</td>
<td>02:00</td>
<td>03:15</td>
<td>02:45</td>
</tr>
<tr>
<td><strong>Dimensional change after 24 h [%]</strong></td>
<td>≤0.5</td>
<td>≤0.5</td>
<td>≤0.4</td>
<td>≤0.4</td>
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<tr>
<td><strong>Compression set [%]</strong></td>
<td>≤0.35</td>
<td>≤0.35</td>
<td>≤0.7</td>
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<tr>
<td><strong>Shore-A-hardness</strong></td>
<td>≈47</td>
<td>≈47</td>
<td>≈47</td>
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<tr>
<td><strong>Strain in compression [%]</strong></td>
<td>≈4.5</td>
<td>≈3.9</td>
<td>3.0-5.5</td>
<td>3.0-5.5</td>
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<tr>
<td><strong>Color</strong></td>
<td>yellow</td>
<td>red</td>
<td>green</td>
<td>blue</td>
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</table>
**Temporary Care**

**When to use which material?**

<table>
<thead>
<tr>
<th>Temporary crowns and bridges</th>
<th>Luxatemp Star</th>
<th>Luxatemp-Fluorescence</th>
<th>Luxatemp-Plus</th>
<th>Luxatemp-Solar</th>
<th>Luxatemp-Inlay</th>
<th>LuxaFlow Star</th>
<th>Luxatemp-Glaze &amp; Bond</th>
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</thead>
<tbody>
<tr>
<td>Temporary inlays and onlays</td>
<td></td>
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<tr>
<td>Temporary partial crowns</td>
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<tr>
<td>Temporary veneers</td>
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<tr>
<td>Long-term temporaries</td>
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<tr>
<td>Temporary restoration of inlay preparations</td>
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<tr>
<td>Temporary closure of implant screw access canals</td>
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**Type of material**

<table>
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<th>Temporary crowns and bridges</th>
<th>Bis-acrylate</th>
<th>Bis-acrylate</th>
<th>Bis-acrylate</th>
<th>Bis-acrylate</th>
<th>Composite</th>
<th>Composite</th>
<th>1-component material based on multifunctional methacrylates</th>
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**Enhancement and repair of bis-acrylate temporaries**

- Small fillings (cavity class III, IV, V)
- Minimally-invasive fillings
- Underfillings
- Surface sealing

**Repair of temporary crowns and bridges**

- Repair of temporary crowns and bridges
# Luting Cements: temporary and permanent

## When to use which material?

### Indications

<table>
<thead>
<tr>
<th></th>
<th>PermaCem 2.0</th>
<th>PermaCem</th>
<th>Vitique</th>
<th>LuxaCore Z-Dual</th>
<th>TempoCem NE</th>
<th>TempoCem</th>
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### Cementation

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### Type of material

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<th>TempoCem NE</th>
<th>TempoCem</th>
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### Curing mode

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### Number of shades

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<th>LuxaCore Z-Dual</th>
<th>TempoCem NE</th>
<th>TempoCem</th>
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<tbody>
<tr>
<td>A2 Universal, A3 Opaque, Transparent</td>
<td>3</td>
<td>8</td>
<td>3</td>
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<tr>
<td>A1, A2, A4, A6, A8, A10, White, Pink</td>
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<tr>
<td>Light opaque, A3, Blue</td>
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# Luting Cements: temporary and permanent

When to use which material?

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<thead>
<tr>
<th>Material Type</th>
<th>PermaCem 2.0</th>
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<th>Vitrage</th>
<th>TempoCemNE</th>
<th>TempoCem</th>
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<tr>
<td>Metal/metal-based</td>
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<td>Inlays</td>
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<td>Onlays</td>
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<td>Crowns/bridges</td>
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<tr>
<td>Root posts</td>
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<td>on implant abutments</td>
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<td>Silicate ceramics (e.g. lithium disilicate, feldspar)</td>
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<td>Inlays</td>
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<td>Veneers</td>
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<tr>
<td>Oxide ceramic (zirconium oxide/aluminum oxide)</td>
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<tr>
<td>Kronen/Brücken</td>
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<td>Wurzelstifte</td>
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<td>auf Implantat-Abutments</td>
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<td>Composite restorations</td>
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<td>Inlays</td>
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<td>Root posts</td>
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<td>Veneers</td>
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</table>

- **Use highly recommended**
- **Use recommended**
Automix-Dispenser

Automix-Tips

**DISPENSER FOR 25 ml CARTRIDGES IN MIXING RATIO 1:1**

**Type 25 1:1 REF 110253**

<table>
<thead>
<tr>
<th>Suitable for</th>
<th>Automix-Tips Yellow 1:1</th>
<th>Intraoral-Tips Yellow*</th>
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<tbody>
<tr>
<td>LuxaCore Z-Dual</td>
<td>50 x REF 909200</td>
<td>50 x REF 909201</td>
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<tr>
<td>Honigum Pro-Light/-Light Fast</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Honigum-Light/-Light Fast</td>
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<td></td>
</tr>
<tr>
<td>Silagum-Comfort</td>
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<td></td>
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</tbody>
</table>

**Suitable for**

- LuxaCore Z-Dual

**Automix-Tips Endo L**

<table>
<thead>
<tr>
<th>Suitable for</th>
<th>20 x REF 110963</th>
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<tbody>
<tr>
<td>TempoCem</td>
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<tr>
<td>TempoCem NE</td>
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<tr>
<td>PermaCem</td>
<td></td>
</tr>
<tr>
<td>PermaCem-Dual</td>
<td></td>
</tr>
</tbody>
</table>

**Suitable for**

- TempoCem
- TempoCem NE
- PermaCem
- PermaCem-Dual

**DISPENSER FOR 50 ml CARTRIDGES, MIXING RATIO 1:1**

**Type 50 1:1 REF 909507**

<table>
<thead>
<tr>
<th>Suitable for</th>
<th>Automix-Tips Yellow 1:1</th>
<th>Intraoral-Tips Yellow*</th>
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</thead>
<tbody>
<tr>
<td>Honigum Pro-Light/-Light Fast</td>
<td>50 x REF 909200</td>
<td>50 x REF 909201</td>
</tr>
<tr>
<td>Honigum-Light/-Light Fast</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silagum-Light/Light Fast</td>
<td></td>
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<tr>
<td>Silagum-Mono</td>
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<tr>
<td>Silagum-Medium/Medium Fast</td>
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</table>

**Suitable for**

- Honigum Pro-Light/Light Fast/Light Scan
- Honigum-Light/Light Fast
- Silagum-Light/Light Fast
- Silagum-Mono
- Silagum-Medium/Medium Fast

**Automix-Tips Green 1:1**

<table>
<thead>
<tr>
<th>Suitable for</th>
<th>50 x REF 909490</th>
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</thead>
<tbody>
<tr>
<td>Honigum Pro-Mono</td>
<td></td>
</tr>
<tr>
<td>Honigum Pro-Heavy/Heavy Fast</td>
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</tr>
<tr>
<td>Honigum Pro-Heavy Scan</td>
<td></td>
</tr>
<tr>
<td>Honigum-Mono</td>
<td></td>
</tr>
<tr>
<td>Honigum-Heavy/Heavy Fast</td>
<td></td>
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</tbody>
</table>

**Suitable for**

- Honigum Pro-Mono
- Honigum Pro-Heavy/Heavy Fast
- Honigum Pro-Heavy Scan
- Honigum-Mono
- Honigum-Heavy/Heavy Fast

**Automix-Tips Pink 1:1**

<table>
<thead>
<tr>
<th>Suitable for</th>
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</thead>
<tbody>
<tr>
<td>O-Bite/O-Bite Scan</td>
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<tr>
<td>Silagum-Comfort</td>
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</table>

**Suitable for**

- O-Bite/O-Bite Scan
- Silagum-Comfort

**Conturation-Tips**

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**DISPENSER FOR 50 ml CARTRIDGES IN MIXING RATIO 10:1 / 4:1**

**Type 50 10:1 REF 110411**

<table>
<thead>
<tr>
<th>Suitable for</th>
<th>Automix-Tips Blue 10:1</th>
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<tbody>
<tr>
<td>Luxatemp-Plus</td>
<td>45 x REF 110409</td>
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<tr>
<td>Luxatemp-Solar</td>
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<tr>
<td>Luxatemp Star</td>
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</table>

**Suitable for**

- Luxatemp-Plus
- Luxatemp-Solar
- Luxatemp Star

**Automix-Tips Yellow 10:1**

<table>
<thead>
<tr>
<th>Suitable for</th>
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</thead>
<tbody>
<tr>
<td>LuxaBite</td>
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**Suitable for**

- LuxaBite

**Automix-Tips Pink 4:1**

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<th>Suitable for</th>
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<tr>
<td>StatusBlue</td>
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**Suitable for**

- StatusBlue

* Not suitable for Silagum-Comfort
# Application Tips

## For Syringes and Smartmix

<table>
<thead>
<tr>
<th><strong>SMARTMIX-TIPS GREEN-BLUE</strong></th>
<th><strong>SMARTMIX-TIPS SHORT</strong></th>
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<tbody>
<tr>
<td>REF 110990 (50 pieces)</td>
<td>REF 212040 (50 pieces)</td>
</tr>
<tr>
<td>Suitable for</td>
<td>Suitable for</td>
</tr>
<tr>
<td>Luxatemp Star</td>
<td>TempoCemNE</td>
</tr>
<tr>
<td>Luxatemp-Fluorescence</td>
<td>TempoCem</td>
</tr>
<tr>
<td></td>
<td>PermaCem 2.0</td>
</tr>
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<td></td>
<td>PermaCem-Dual</td>
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<table>
<thead>
<tr>
<th><strong>SMARTMIX-TIPS COMBI</strong></th>
<th><strong>SMARTMIX-TIPS ENDO</strong></th>
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<tbody>
<tr>
<td>REF 212042 (50 pieces each)</td>
<td>REF 212041 (50 pieces each)</td>
</tr>
<tr>
<td>Suitable for</td>
<td>Suitable for</td>
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<tr>
<td>LuxaCore Z - Dual</td>
<td>LuxaCore Z - Dual</td>
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<table>
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<tr>
<th><strong>SMARTMIX-TIPS ENDO M</strong></th>
<th><strong>SMARTMIX-TIPS ENDO L</strong></th>
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</thead>
<tbody>
<tr>
<td>REF 213373 (20 pieces)</td>
<td>REF 213083 (20 pieces)</td>
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<tr>
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<th><strong>VENEER-TIPS</strong></th>
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<td>REF 213057 (100 pieces)</td>
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<td>Suitable for Vitique</td>
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<thead>
<tr>
<th><strong>LUER-LOCK-TIPS BLACK</strong></th>
<th><strong>LUER-LOCK-TIPS SILVER</strong></th>
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<td>REF 211477 (60 pieces)</td>
<td>REF 220712 (20 pieces)</td>
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<td>LuxaFlow Star</td>
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<td>Ionosit-Baseliner</td>
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<td>EcuSphere-Flow</td>
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<tr>
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DMG symbols
For the type of packaging

- MixStar
- Automix
- Smartmix
- Parallel syringe
- Syringe I
- Syringe II
- Saferinge
- Safetip
- Safetip-Dispenser
- SilvR dose
- Single dose System
- Single dose Jar
- Capsule
- Root post
- Discs
- Tray plates
- Jar
- Tube
- Bottle
- Spray Bottle