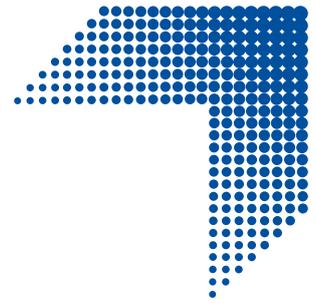




Dental materials for the practice
2017 / 2018





PIONEERING SPIRIT

Advancing Dentistry with new ideas: from the first crown and bridge material in a cartridge to drilling-free treatment of caries with Icon.

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.

HAMBURG

Modern production facilities at the headquarters in Hamburg. Since the foundation in 1963.

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.

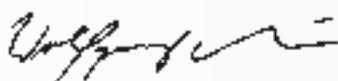
In addition to being our stand motto at IDS 2017, this is a general conviction that drives us in our day-to-day work. And in fact we at DMG have been busy making significant strides when it comes to setting the right course for the future.

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.

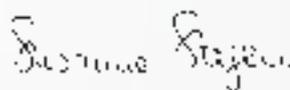
We've even given the digital prosthetics range from DMG its very own catalog – with CAD/CAM materials from the LuxaCam range, LuxaPrint 3D materials and the high-performance 3D printer DMG 3Delux. A lot has changed at our site in Hamburg too. We have just created a brand-new state-of-the-art Dental Training 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





Dr. W. Mühlbauer

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Ecosite
Quality fillings in no time.
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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?



Before polishing with Flairesse.



After polishing with Flairesse.

TECHNICAL DATA

	Paste	Gel/Foam	Varnish
Granulation	Coarse, Medium, Fine	—	—
Fluoride concentration	12,300 ppm	12,300 ppm	22,600 ppm
Flavors	Mint Melon	Mint Melon Strawberry	Mint Melon

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.



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.



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

REF 220414

REF 220415

REF 220416

Package

1 Tube @ 75 ml

Mint fine

Mint medium

Mint coarse

Melon fine

Melon medium

Melon coarse

REF 220417

REF 220418

REF 220419

REF 220423

REF 220424

REF 220425

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.



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

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



Package

1 Bottle Gel @ 480 ml
Mint
Melon
Strawberry

REF 220411
REF 220412
REF 220413

Package

1 Jar Foam @ 125 g
Mint
Melon
Strawberry

REF 220408
REF 220409
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.



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.



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



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



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.



PREVENTION

INFILTRATION



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.

DIRECT RESTORATION

IMPRESSION



Etching with Icon-Etch.



Drying with Icon-Dry.



Applying Icon-Infiltrant.



Light-curing.

TEMPORARY CARE

PERMANENT CEMENTATION



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

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



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

REF 220341

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

REF 220237

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.



White Spots on anterior teeth.



After treatment with Icon smooth surface.



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

REF 220343

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

REF 220238

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.



DMG MiniDam placed in the proximal area.



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

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

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.



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



Positioning in the patient's mouth.



Icon X-ray Holder after bitewing imaging.



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

REF 220508

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 220509

REF 220510





DIRECT RESTORATION

Filling

Core Build-ups

Bonding Agent

Underfilling

Accessories

Constic

Do more with less.



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.



Initial situation: occlusal amalgam filling in tooth 17.



Rubbing in Constic using the brush.



Light polymerization.



Verification of occlusion.



Available in 6 shades: a1, A2, A3, A3.5, B1, Opaque-White

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



Package

- 2 Syringes @ 2 g Composite
- 1 Brush holder
- 20 Clip-on brushes
- 20 Luer-Lock-Tips Silver
- Shade A1 REF 220700
- Shade A2 REF 220701
- Shade A3 REF 220702
- Shade A3.5 REF 220703
- Shade B1 REF 220704
- Shade Opaque-White REF 220705

Accessories

- 20 Clip-on brushes
- 20 Luer-Lock-Tips Silver REF 220712

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.



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.

TECHNICAL DATA

	EcuSphere-Carat	EcuSphere-Shape	EcuSphere-Shine	EcuSphere-Flow
Filler ratio [weight %; volume %]	77; 57	77; 57	76; 55	63; 41
Mean filler particle size [μm]	0.02-0.7	0.02-1.5	0.03 - 0.04	0.02-3
Flexural strength [MPa]	150	140	80	90
Compressive strength [MPa]	340	306	240	180
Flexural modulus [MPa]	11,100	11,100	5,200	3,500
Water absorption [$\mu\text{g}/\text{mm}^3$]	15	15	22	25
Diametral tensile strength [MPa]	53	51	39	40
Radiopacity [% Al]	200	200	50	150
Light-curing [s]	20	20*	20	20
Thickness of layers [mm]	2	2	2	2

* for opaque D-shades 40 seconds



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	REF 220287
Shade A2	REF 220267
Shade A3	REF 220285
Shade A3.5	REF 220266
20 Safetips @ 0.3 g	
Shade A1	REF 220323
Shade A2	REF 220271
Shade A3	REF 220322
Shade A3.5	REF 220270
Accessories	
1 Safetip-Dispenser	REF 213122

↗ 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	REF 220334
Shade A2	REF 220308
Shade A3	REF 220299
Shade A3.5	REF 220297
Shade A4	REF 220347
Shade B1	REF 220335
Shade B2	REF 220336
Shade B3	REF 220337
Shade C1	REF 220338
Shade C3	REF 220339
Shade D2	REF 220340
Shade D-A3	REF 220291
20 Safetips @ 0.3 g	
Shade A1	REF 220327
Shade A2	REF 220309
Shade A3	REF 220307
Shade A3.5	REF 220298
Shade A4	REF 220346
Shade B1	REF 220328
Shade B2	REF 220329
Shade B3	REF 220330
Shade C1	REF 220331
Shade D-A3	REF 220292

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.



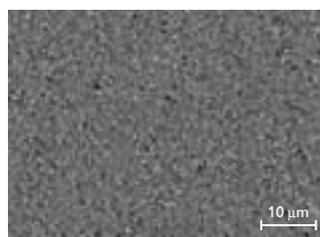
Adaption of the material to the cavity.



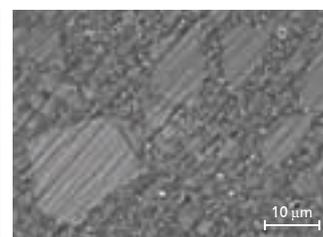
Final result, excellent polishability.

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 REF 220750

48 Safetips @ 0,25 g
 Shades: Universal (32 x), Light (16 x)
 1 Bottle @ 5 ml Ecosite-Bond REF 220751

Package

1 Syringe @ 4 g, Shade Light REF 220752
 1 Syringe @ 4 g, Shade Universal REF 220753
 1 Syringe @ 4 g, Shade Contrast REF 220754
 16 Safetips @ 0,25 g, Shade Light REF 220755
 16 Safetips @ 0,25 g, Shade Universal REF 220756
 16 Safetips @ 0,25 g, Shade Contrast REF 220757

Accessories

1 Safetip-Dispenser REF 213122

➤ 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

REF 220758

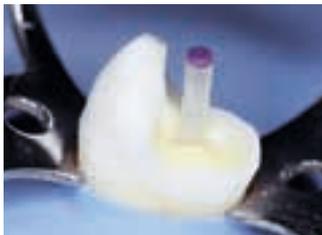
LuxaCore Z

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

	LuxaCore Z-Dual
Working time [min]	01:30
Setting time in the mouth [min]	05:00
Layer** ≤ 2 mm [s]	20
Layer** ≤ 4 mm [s]	40
Compressive strength [MPa]	380
Flexural strength [MPa]	150
Diam. tensile strength [MPa]	63
Water absorption max. [µg/mm ³]	25

* 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
- Direct application with Intraoral-Tips and Endo-Tips: specially designed for root canals
- 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

Package

2 Smartmix-syringes @ 9 g	
10 Smartmix-Tips Combi	
10 Smartmix-Tips Endo	
Shade Light opaque	REF 213336
Shade A3	REF 213334
Shade Blue	REF 213335

Accessories

50 Smartmix-Tips Combi	REF 212042
50 Smartmix-Tips Endo	REF 212041
20 Smartmix-Tips Endo L	REF 213083

➤ 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

LuxaCore Z - Dual

1 Syringe @ 9 g paste, shade A3
10 Smartmix-Tips
10 Endo-Tips

REF 110862

LuxaPost

The DMG quality root post.



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.



Initial situation with root filling.



Preparing the post bed.



Post try-in.



Shortening LuxaPost.

Glass fiber-reinforced pre-silanized composite root post with a flexural modulus similar to that of dentine

Indication: fabrication of a reliable retention of the core build-up in cases of insufficient coronal tooth substance

Good reasons

- Perfect partner for LuxaCore Z: monoblock
- Dentine-like flexural modulus: reduced risk of root fracture
- Radiopaque
- Pre-silanized
- Gentle on the tooth substance thanks to tapered form
- One powerful drill for each size: no pre-drilling required
- Highly esthetic



Starter Kit

- 5 Posts ø 1.25 mm Black
- 5 Posts ø 1.375 mm Purple
- 5 Posts ø 1.5 mm Green
- 1 Drill ø 1.25 mm
- 1 Drill ø 1.375 mm
- 1 Drill ø 1.5 mm
- 30 Depth markers
- 1 Measuring card

REF 110780

Refills

- 5 Posts ø 1.25 mm Black
- 5 Posts ø 1.375 mm Purple
- 5 Posts ø 1.5 mm Green
- 5 Stifte ø 1,75 mm Red
- 1 Drill ø 1,25 mm
- 1 Drill ø 1.375 mm
- 1 Drill ø 1.5 mm
- 1 Drill ø 1,75 mm

- REF 110781
- REF 110782
- REF 110783
- REF 110961
- REF 110734
- REF 110735
- REF 110736
- REF 110962

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.



Conditioning of the cavity and canal (enamel: 20-60 s, dentine: 15 s max.).



Pre-Bond application with a specially shaped Endobrush.



Mixing Bond A and Bond B.



Bonding the cavity with the bonding mixture (Bond A/Bond B mixture).



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

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)



Package

- 1 Bottle @ 5 ml Pre-Bond
 - 1 Bottle @ 5 ml Bond A
 - 1 Bottle @ 5 ml Bond B
 - 1 Syringe @ 2 ml Etching Gel-Medium Viscosity
 - 25 Endobrushes Red
 - 25 Endobrushes Black
 - 3 Luer-Lock-Tips White
 - 1 Mixing palette
- REF 212384

Refills

- 1 Bottle @ 5 ml Pre-Bond
- REF 212389

Accessories

- 25 Endobrushes Red
 - 25 Endobrushes Black
 - 50 Luer-Lock-Tips White
- REF 212385
REF 212386
REF 109942

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

- Superior bonding properties (38 MPa)*
- Single dose application form »SilvR dose«: easy, one-hand »push button« application
- Convenient distribution within the dental practice
- Only one component for application, thus reducing the risk of incorrect use
- User-friendly Total-Etch technique: ideal penetration of the collagen network
- 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-Baselinier (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 REF 213320

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 REF 213321

Accessories

50 Luer-Lock-Tips White REF 109942
 25 Single-use brushes White REF 109320

* 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

Better safe than sorry.



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.



Initial situation.



Work in Contax-Primer for 20 s.



Work in Contax-Bond for 20 seconds and light-cure for 20 seconds.



Long-lasting bond of the final restoration.

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



Starter Pack

- 1 Bottle @ 5 ml Contax-Primer
- 1 Bottle @ 5 ml Contax-Bond
- 25 Single-use brushes White
- 25 Single-use brushes Red
- 1 Mixing palette

REF 220263

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



Starter Pack + Activator

- 1 Bottle @ 5 ml Contax-Primer
- 1 Bottle @ 5 ml Contax-Bond
- 1 Bottle @ 5 ml Contax-Activator
- 25 Single-use brushes White
- 25 Single-use brushes Red
- 1 Mixing palette

REF 220282



Refills

- 1 Bottle @ 5 ml Contax-Primer REF 220281
- 1 Bottle @ 5 ml Contax-Bond REF 220284
- 1 Bottle @ 5 ml Contax-Activator REF 220283

Accessories

- 25 Single-use brushes White REF 109320

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.



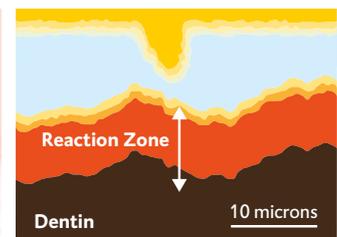
State after excavation.



Ionosit-Baseliner is applied in a thin layer between dentine and composite.



Ionosit-Baseliner seals the dentine tubules and thus prevents postoperative sensitivities.



A continuous, visible »reaction zone« develops between Ionosit-Baseliner and the dentine.



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

Ionosit-Baseliner	
Working time [s]	90
Light-curing [s]	20
Thickness of layers [mm]	1
Radiopacity [% Al]	160
Compressive strength [MPa]	130
Flexural strength [MPa]	> 60
Flexural modulus [MPa]	6,500
Diam. tensile strength [MPa]	34



Package

3 Saferinges @ 0.33 g
2 Syringes @ 1.5 g

REF 220091
REF 213002

Economy Pack

20 Saferinges @ 0.33 g
6 Syringes @ 1.5 g

REF 209538
REF 213001

Accessories

60 Luer-Lock-Tips, Black

REF 211477

DMG Etching Gel



Universal phosphoric acid 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

REF 212873

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

REF 213122



A close-up portrait of a woman with dark hair pulled back, looking slightly to the right with a soft smile. The background is a bright, out-of-focus white.

IMPRESSION

Situation impression

Precision Impression

Bite Registration

Relining/Fixation

Retraction

Accessories

Honigum Pro

Impressions made your way.

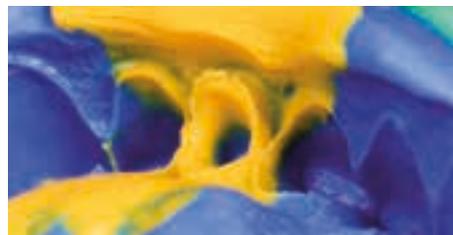


Stability or flowability? Honigum Pro is a champion in both disciplines. This is because the precision VPS material offers a highlight: the rheologically active matrix. This enables unparalleled flowability under pressure AND outstanding stability when force is not applied. That means: Honigum Pro flows 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.

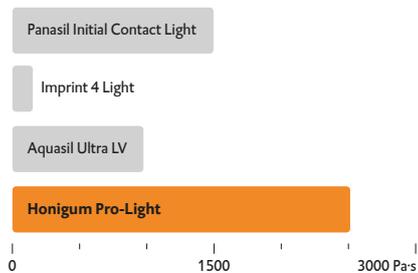
Record values for flow behavior.

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.

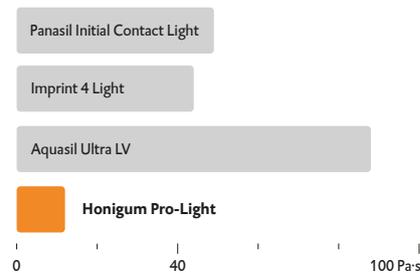


Viscosity at 10 Pa/low shear stress



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



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.

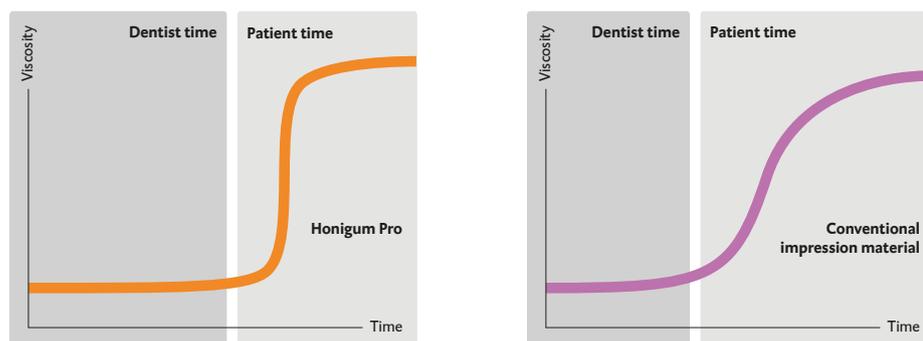


Thanks to the technology developed by DMG known as »Snap-Set«, Honigum Pro offers an unprecedented combination of convenient working times and short setting times in the mouth.

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

Honigum Pro	Light		Mono				Heavy				Putty			
	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Fast	Soft	Soft Fast	Rigid Fast	Rigid Fast	
ml	50/25	50/25	380	380	50	50	380	380	50	50	380	450×2	450×2	450×2
Mixing time [min]												00:30	00:30	00:30
Intraoral working time [min]	≤ 1:00	≤ 0:30	≤ 1:00	≤ 0:30	≤ 1:00	≤ 0:30								
Max. extraoral working time [min]	≤ 2:45	≤ 1:30	≤ 2:45	≤ 1:30	≤ 2:45	≤ 1:30	≤ 2:45	≤ 1:30	≤ 2:45	≤ 1:30	≤ 1:45	≤ 3:15	≤ 1:45	≤ 1:45
Setting time in the mouth [min]	≥ 3:15	≥ 2:00	≥ 3:15	≥ 2:00	≥ 3:15	≥ 2:00	≥ 3:15	≥ 2:00	≥ 3:15	≥ 2:00	≥ 3:15	≥ 3:15	≥ 1:45	≥ 1:45
Dimensional change after 24 h [%]	≤ 0.35	≤ 0.35	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Compression set [%]	≤ 0.25	≤ 0.25	≤ 0.35	≤ 0.35	≤ 0.35	≤ 0.35	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.6	≤ 0.5	≤ 0.5	≤ 0.5
Shore-A-hardness	≈ 48	≈ 48	≈ 56	≈ 56	≈ 56	≈ 56	≈ 68	≈ 68	≈ 68	≈ 68	≈ 66	≈ 62	≈ 62	≈ 70
Strain in compression [%]	≈ 4.0	≈ 4.0	≈ 2.8	≈ 2.8	≈ 2.8	≈ 2.8	≈ 1.8	≈ 1.8	≈ 2.0	≈ 2.0	≈ 2.0	≈ 2.2	≈ 2.2	≈ 1.7
Color	Yellow	Yellow	Dark Green	Light Green	Dark Green	Light Green	Blue	Light Green	Blue	Light Green	Blue	Blue	Purple	Dark Blue

➤ 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 Automix-Tips	
10 Intraoral-Tips	
Honigum Pro-Light	REF 929539
Honigum Pro-Light Fast	REF 929639
2 Cartridges @ 50 ml	
10 Automix-Tips	
10 Intraoral-Tips	
Honigum Pro-Light	REF 929831
Honigum Pro-Light Fast	REF 929832

Economy Pack

16 Cartridges @ 25 ml	
40 Automix-Tips	
40 Intraoral-Tips	
Honigum Pro-Light	REF 929690
Honigum Pro-Light Fast	REF 929691
8 Cartridges @ 50 ml	
40 Automix-Tips	
40 Intraoral-Tips	
Honigum Pro-Light	REF 929835
Honigum Pro-Light Fast	REF 929836

Accessories

1 Automix-Dispenser Type 25 1:1	REF 110253
1 Automix-Dispenser Type 50 1:1	REF 909507
50 Automix-Tips Yellow 1:1	REF 909200
50 Intraoral-Tips Yellow	REF 909201

➤ Honigum Pro-Mono



VPS-based monophasic 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		
4 Automix-Tips		
4 Intraoral-Tips		
Honigum Pro-Mono		REF 929830
Honigum Pro-Mono Fast		REF 929976
1 Cartridge @ 380 ml		
10 MixStar-Tips		
Honigum Pro-Mono		REF 929568
Honigum Pro-Mono Fast		REF 929978

Economy Pack

8 Cartridges @ 50 ml		
16 Automix-Tips		
16 Intraoral-Tips		
Honigum Pro-Mono		REF 929834
Honigum Pro-Mono Fast		REF 929977
5 Cartridges @ 380 ml		
50 MixStar-Tips		
Honigum Pro-Mono		REF 929569
Honigum Pro-Mono Fast		REF 929979

Accessories

1 MixStar-eMotion mixing unit 230 V int.	REF 900480
50 MixStar-Tips	REF 903334
1 Automix-Dispenser Type 50 1:1	REF 909507
50 Automix-Tips Green 1:1	REF 909490
50 Intraoral-Tips Transparent	REF 909400
1 Bottle @ 10 ml Tray Adhesive	REF 909394

➤ Honigum Pro-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

- 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	REF 929766
Honigum Pro-Heavy Fast	REF 929838

1 Cartridge @ 380 ml	
10 MixStar-Tips	
Honigum Pro-Heavy	REF 929537
Honigum Pro-Heavy Fast	REF 929638

Economy Pack

8 Cartridges @ 50 ml	
16 Automix-Tips	
Honigum Pro-Heavy	REF 929837
Honigum Pro-Heavy Fast	REF 929839

5 Cartridges @ 380 ml	
50 MixStar-Tips	
Honigum Pro-Heavy	REF 929538
Honigum Pro-Heavy Fast	REF 929637

Accessories

1 MixStar-eMotion mixing unit 230 V int.	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 Pro-Putty



VPS-based precision impression material with a putty consistency

Indications: crown and bridge impressions, inlay and onlay impressions

Good reasons

- Excellent recovery after deformation
- Superb dimensional stability
- Formable by hand or true putty consistency from the DMG MixStar cartridge
- Remarkable tear strength



Package

1 Cartridge @ 380 ml		
10 MixStar-Tips		REF 929374

2 Jars @ 450 ml		
Honigum Pro-Putty Soft		REF 929364
Honigum Pro-Putty Soft Fast		REF 929365
Honigum Pro-Putty Rigid Fast		REF 929366

Economy Pack

5 Cartridges @ 380 ml		
50 MixStar-Tips		REF 929375

8 Jars @ 450 ml		
Honigum Pro-Putty Soft		REF 929369
Honigum Pro-Putty Soft Fast		REF 929370
Honigum Pro-Putty Rigid Fast		REF 929371

Accessories

1 MixStar-eMotion mixing unit 230 V int.	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 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.



Impression with Honigum Pro Scan for preparing a bridge.



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
- 10 Intraoral-Tips

REF 929984

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

REF 900480
REF 903334
REF 909507
REF 909490
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	REF 909539
Honigum-Light Fast	REF 909639
2 Cartridges @ 50 ml	
12 Automix-Tips	
12 Intraoral-Tips	
Honigum-Light	REF 909831
Honigum-Light Fast	REF 909832
Economy Pack	
16 Cartridges @ 25 ml	
50 Automix-Tips	
50 Intraoral-Tips	
Honigum-Light	REF 909690
Honigum-Light Fast	REF 909691
8 Cartridges @ 50 ml	
50 Automix-Tips	
50 Intraoral-Tips	
Honigum-Light	REF 909835
Honigum-Light Fast	REF 909836
Accessories	
1 Automix-Dispenser Type 25 1:1	REF 110253
1 Automix-Dispenser Type 50 1:1	REF 909507
50 Automix-Tips Yellow 1:1	REF 909200
50 Intraoral-Tips Yellow	REF 909201

Honigum-Mono



VPS-based monophasic 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	REF 909568
2 Cartridges @ 50 ml	
4 Automix-Tips	
4 Intraoral-Tips	REF 909830
2 Tubes @ 135 ml	
1 Non-slip mixing pad	
2 Tube keys	REF 909551
Economy Pack	
5 Cartridges @ 380 ml	
50 MixStar-Tips White	REF 909569
8 Cartridges @ 50 ml	
20 Automix-Tips	
20 Intraoral-Tips	REF 909834
Accessories	
1 MixStar-eMotion mixing unit 230 V int.	REF 900480
50 MixStar-Tips White	REF 909567
1 Automix-Dispenser Type 50 1:1	REF 909507
50 Automix-Tips Green 1:1	REF 909490
50 Intraoral-Tips Transparent	REF 909400
1 Bottle @ 10 ml Tray Adhesive	REF 909394

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	REF 909537
Honigum-Heavy Fast	REF 909638

2 Cartridges @ 50 ml	
4 Automix-Tips	
Honigum-Heavy	REF 909766
Honigum-Heavy Fast	REF 909838

Economy Pack

5 Cartridges @ 380 ml	
50 MixStar-Tips White	
Honigum-Heavy	REF 909538
Honigum-Heavy Fast	REF 909637

8 Cartridges @ 50 ml	
16 Automix-Tips	
Honigum-Heavy	REF 909837
Honigum-Heavy Fast	REF 909839

Accessories

1 MixStar-eMotion mixing unit 230 V int.	REF 900480
50 MixStar-Tips White	REF 909567
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-Putty

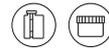


VPS-based precision impression material with a putty consistency

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	REF 919374

2 Jars @ 450 ml	
Honigum-Putty Soft	REF 919364
Honigum-Putty Soft Fast	REF 919365
Honigum-Putty Rigid Fast	REF 919366

Economy Pack

5 Cartridges @ 380 ml	
50 MixStar-Tips	REF 919375

8 Jars @ 450 ml	
Honigum-Putty Soft	REF 919369
Honigum-Putty Soft Fast	REF 919370
Honigum-Putty Rigid Fast	REF 919371

Accessories

1 MixStar-eMotion mixing unit 230 V int.	REF 900480
50 MixStar-Tips White	REF 909567
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

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.

- ▶ StatusBlue
- ▶ Supertec
- ▶ O-Bite
- ▶ Honigum Pro-Heavy
- ▶ Honigum-Heavy
- ▶ Luxatemp Star
- ▶ LuxaFlow Star
- ▶ Luxatemp-Glaze & Bond
- ▶ TempoCemNE
- ▶ Luxatemp-Inlay
- ▶ PermaCem 2.0
- ▶ Silagum-Comfort

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
- ▶ Adaption of removable temporaries

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

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

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.



Pre-impression with relief channels.

Precise correction impression with Silagum-Putty Soft and Silagum-Light.

Precise double mixing impression with Silagum-Putty and Silagum-Light.

Precise impression with Silagum-Mono.

TECHNICAL DATA

Silagum	Light		Medium		Mono		
		Fast		Fast			
Mixing time [min]		00:30				00:30	
Max. extraoral working time [min]	02:15	02:15	01:30	02:15	01:30	01:30	02:30
Setting time in the mouth [min]	03:30	03:30	02:15	03:30	02:15	02:30	03:30
Dimensional change after 24 h [%]	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.35
Compression set [%]	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.4
Shore-A-hardness	≈ 50	≈ 50	≈ 50	≈ 50	≈ 50	≈ 60	≈ 54
Strain in compression [%]	≈ 3.5	≈ 3.5	≈ 3.5	≈ 3-5	≈ 3-5	≤ 3.5	≤ 4
Farbe							
	Putty						
	MixStar Putty Soft	Standard	Fast	Fast	Fast	Soft	
Mixing time [min]		00:30		00:30		00:30	
Max. extraoral working time [min]	02:00	01:45		01:15		01:45	
Setting time in the mouth [min]	03:30	03:30		02:30		03:30	
Dimensional change after 24 h [%]	≤ 0.5	≤ 0.5		≤ 0.5		≤ 0.5	
Compression set [%]	≤ 0.5	≤ 0.7		≤ 0.7		≤ 0.7	
Shore-A-hardness	≈ 62	≈ 70		≈ 70		≈ 62	
Strain in compression [%]	1.7-2.6	≈ 1.7		≈ 1.7		≈ 2.5	
Farbe							

↗ Silagum-Light



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 909715
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

↗ Silagum-Medium



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

↗ Silagum-Mono



VPS-based monophasic 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
- Easy removal from the mouth
- 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
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➤ 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 alginates (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«.



Initial situation.



Application of DMG Tray Adhesive.



Homogeneous and bubble-free StatusBlue application into the Border-Lock tray.



Precise reproduction of the oral situation.

TECHNICAL DATA

Working time [min]	01:15
Setting time in the mouth [min]	01:45
Dimensional change after 24 h [%]	≤ 0.4
Compression set [%]	≈ 0.7
Shore-A-hardness	≈ 40
Strain in compression [%]	≈ 7.0

2017
REALITY
Four Star Award
★★★★

THE DENTAL
ADVISOR
++++
2017 Preferred Product



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
- 10 MixStar-Tips REF 909693
- 2 Cartridges @ 50 ml
- 4 Automix-Tips REF 909790

Economy Pack

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

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.



Taking an impression of the initial situation with LuxaForm.



Applying Luxatemp Star into the LuxaForm impression.



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



Package
72 Discs

REF 110415

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



Compule tip inserted into the sulcus.



Apply retraction paste.



Leave the paste to set into the sulcus, to enable the gingival retraction.



The tissue is retracted mechanically.



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.



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.

Good reasons

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



Package

2 Cartridges @ 50 ml
12 Automix-Tips REF 909765

Economy Pack

8 Cartridges @ 50 ml
50 Automix-Tips REF 909767

Accessories

1 Automix-Dispenser
Type 50 1:1 REF 909507
50 Automix-Tips Pink 1:1 REF 909202
50 Conturation-Tips REF 909203



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.



Application of O-Bite Scan onto the dental arch.



Registration with O-Bite Scan after removal.



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 REF 919017

Economy Pack

8 Cartridges @ 50 ml
50 Automix-Tips REF 919018

Accessories

1 Automix-Dispenser Type 50 1:1 REF 909507
50 Automix-Tips Pink 1:1 REF 909202
50 Conturation-Tips REF 909203

LuxaBite

The triumph of hardness.



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 burs. As a result, dentists are not alone in benefiting from the new dimension in hardness offered by LuxaBite.



LuxaBite applied to the dental arch (max. 3 – 4 teeth).



Patient in occlusion.



Brief opening and closing of the bite situation after 45 - 60 seconds.



Easy removal of excess material using a cross-cut bur.

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



Silagum-Comfort

For durably soft relining.



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.



Application of Silagum-Comfort as gingival mask.



Application of the durably soft relining material.



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
- REF 909087

Package

- 1 Cartridge @ 25 ml
 - 5 Automix-Tips
- REF 909088
- 1 Cartridge @ 50 ml
 - 12 Automix-Tips
- REF 909951

Economy Pack

- 8 Cartridges @ 50 ml
- REF 909950

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
- REF 909089
- REF 909090
- REF 110253
- REF 909507
- REF 909200
- REF 909047

* Source: M. M. Mutluay and J. Eystein Ruyter, »Evaluation of bond strength of soft relining materials to denture base polymers«, Dental Materials 23 (2007) 1373 - 1381.

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

Supertec

Ultra-light design custom trays.



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: prefabricated plates can easily be formed and trimmed.



Individual jaw tray with Supertec: the basis for precise impressions.

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



Package

- 50 Trays upper jaw rose
- 50 Trays lower jaw rose

REF 210410
REF 210411

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

Program / Material	Working time	Recommended time in mouth
PD1 Honigum-Heavy	 2:15 min	 3:15 min
PD2 Honigum-Heavy Fast	 1:15 min	 2:00 min
PD3 Honigum-MixStar Putty	 1:45 min	 3:15 min
PD4 Honigum-Mono	 2:00 min	 3:15 min
PD5 StatusBlue	 1:15 min	 1:45 min
PD6 Silagum-MixStar Putty Soft	 2:00 min	 3:30 min



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 MixStar-eMotion mixing unit 230 V int. REF 900480

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



Package

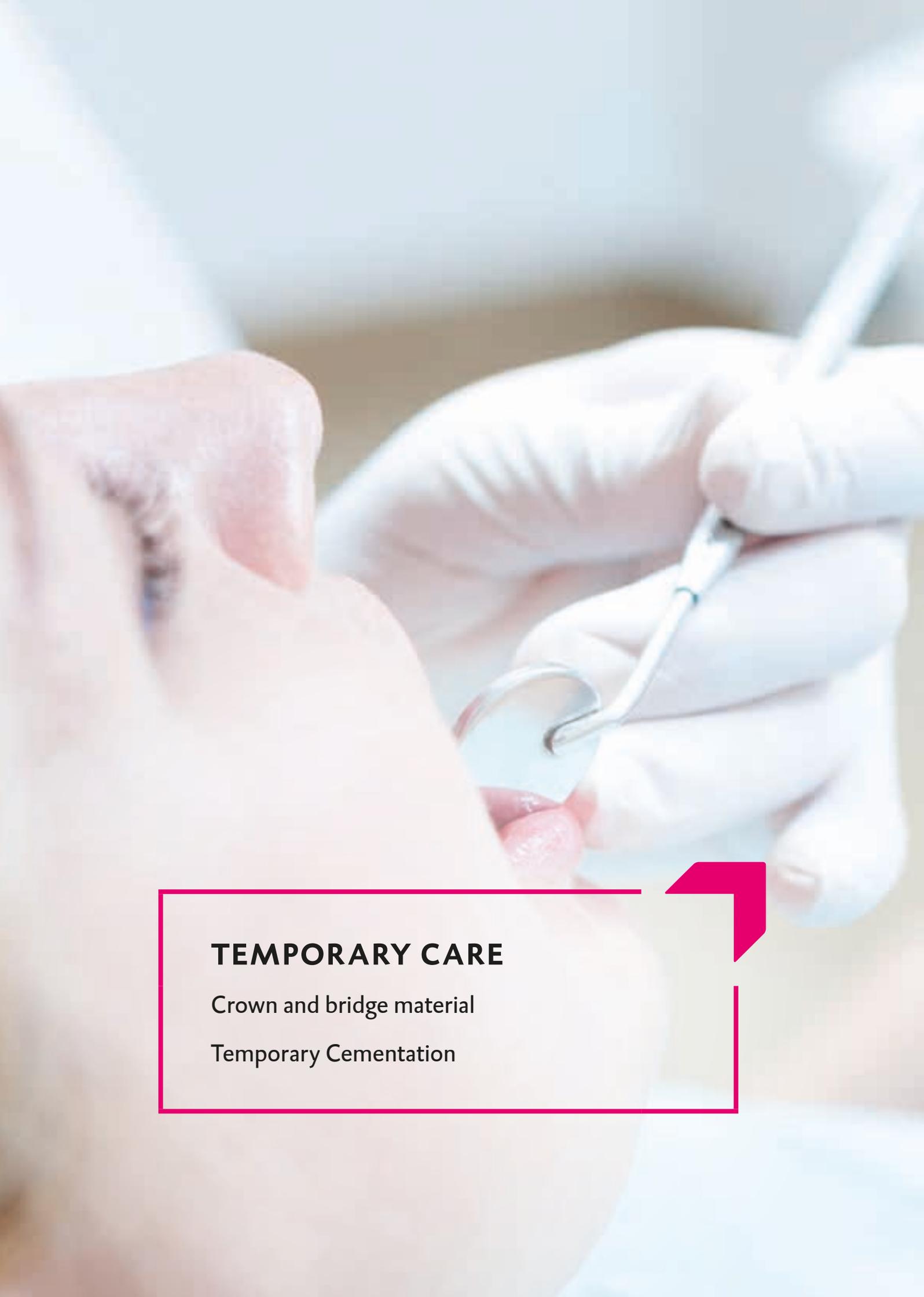
1 Bottle @ 10 ml REF 909394

Economy Pack

10 Bottles @ 10 ml REF 909396

PROGRAM PRESETS OF THE MIXSTAR-EMOTION

Program / Material	Working time	Recommended time in mouth
 P01 Honigum Pro-Heavy	 2:45 min	 3:15 min
 P08 Honigum Pro-Heavy Fast	 1:30 min	 2:00 min
 P05 Honigum Pro-MixStar Putty	 1:45 min	 3:15 min
 P10 Honigum Pro-Mono	 2:45 min	 3:15 min
 P11 Honigum Pro-Mono Fast	 1:30 min	 2:00 min



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.



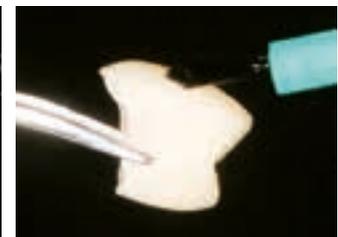
Application of Luxatemp Star in the StatusBlue impression.



Removal of the temporary from the index.



Morphological optimization with LuxaFlow Star.



Final finishing and sealing with Luxatemp-Glaze & Bond.



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.



PREVENTION

INFILTRATION

DIRECT RESTORATION

IMPRESSION

TEMPORARY CARE

PERMANENT CEMENTATION



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

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

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	REF 110901
Shade A3	REF 110902
Shade B1	REF 110904
Shade Bleach Light	REF 110905
1 Cartridge @ 76 g	
15 Automix-Tips	
Shade A1	REF 110906
Shade A2	REF 110907
Shade A3	REF 110908
Shade A3.5	REF 110909
Shade B1	REF 110910
Shade Bleach Light	REF 110911

Economy Pack

5 Cartridges @ 76 g	
75 Automix-Tips	
Shade A2	REF 110912
Shade A3	REF 110913

Accessories

50 Smartmix-Tips Green-Blue	REF 110990
45 Automix-Tips Blue 10:1	REF 110409
1 Automix-Dispenser Type 50 10:1	REF 110411
1 Automix Plunger Type 50 10:1	REF 110412

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	REF 110718
Shade A2	REF 110719
Shade A3	REF 110720
Shade A3.5	REF 110721
Shade B1	REF 110722
Shade Bleach Light	REF 110723
1 Cartridge @ 76 g	
15 Automix-Tips	
Shade A1	REF 110585
Shade A2	REF 110586
Shade A3	REF 110710
Shade A3.5	REF 110587
Shade B1	REF 110588
Shade Bleach Light	REF 110589

Economy Pack

5 Cartridges @ 76 g	
75 Automix-Tips	
Shade A2	REF 110712
Shade A3	REF 110713
Shade A3.5	REF 110714

Accessories

50 Smartmix-Tips Green-Blue	REF 110990
45 Automix-Tips Blue 10:1	REF 110409
1 Automix-Dispenser Type 50 10:1	REF 110411
1 Automix Plunger Type 50 10:1	REF 110412

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	REF 110401
Shade A2	REF 110402
Shade A3.5	REF 110403
Shade B1	REF 110404
Shade Bleach Light	REF 110368

Package

Luxatemp-Handmix	
1 Tube base paste @ 106 g, shade A2	
1 Tube catalyst paste @ 6 g	
1 Mixing pad	
1 Spatula	
1 Application syringe	REF 110111
1 Tube catalyst paste @ 6 g	REF 110162

Economy Pack

5 Cartridges @ 76 g	
75 Automix-Tips	
Shade A1	REF 110405
Shade A2	REF 110406
Shade A3.5	REF 110407

Accessories

45 Automix-Tips Blue 10:1	REF 110409
1 Automix-Dispenser Type 50 10:1	REF 110411

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	
Shade A2	
15 Automix-Tips	REF 110360

Economy Pack

5 Cartridges @ 76 g	
Shade A2	
75 Automix-Tips	REF 110361

Accessories

45 Automix-Tips Blue 10:1	REF 110409
1 Automix-Dispenser Type 50 10:1	REF 110411

↗ 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

REF 213015

↗ 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

REF 211927

Accessories

50 Brushes

REF 110041

↗ 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

REF 214000

Package

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

REF 214001
REF 214002
REF 214003
REF 214004
REF 214005

Accessories

60 Luer-Lock-Tips, Black

REF 211477

PREVENTION

INFILTRATION

DIRECT RESTORATION

IMPRESSION

TEMPORARY CARE

PERMANENT CEMENTATION

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



Direct application of TempoCemNE into the temporary crown.



Cementing of the Luxatemp temporary with TempoCemNE.



Removing excess material.



TECHNICAL DATA

	TempoCemNE	TempoCem
Working time [min]	01:00	01:00
Setting time in the mouth [min]	4:00-5:00	04:00
Film thickness [μm]	11	9
Compressive strength [MPa]	4-8	7-10

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 REF 212104

TempoCemNE-Automix
1 Cartridge @ 60 g
35 Automix-Tips REF 110272

TempoCemNE-Handmix
1 Tube @ 85 g base paste
1 Tube @ 25 g catalyst paste REF 110137

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

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 REF 212129

TempoCem-Automix
1 Cartridge @ 63 g
35 Automix-Tips REF 110247

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





PERMANENT RESTORATIONS

Cements

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.



Initial situation.



The wax-up/mock-up simulates the restoration.



Prepared tooth.



Applying LuxaCrown into the impression.



LuxaCrown crown.



Final result.



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	REF 110970
Shade A2	REF 110971
Shade A3	REF 110972
Shade A3.5	REF 110973
Shade B1	REF 110974
Shade B3	REF 110975
Shade C2	REF 110976
Shade D2	REF 110977

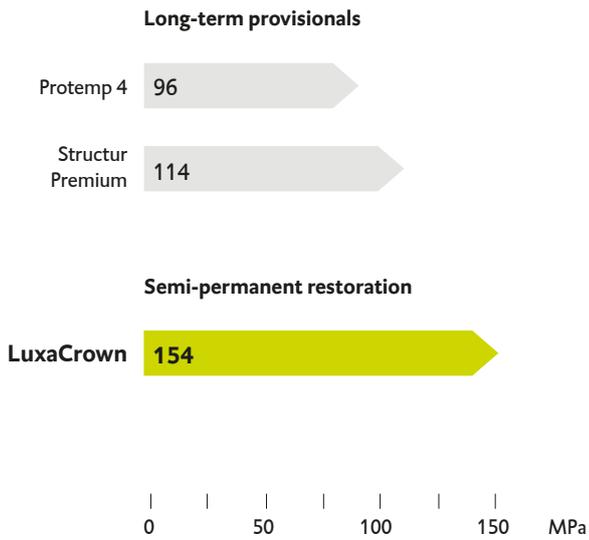
Accessories

1 Automix-Dispenser	REF 110411
Type 50 10:1	
1 Automix-Plunger 50 10:1	REF 110412
45 Automix-Tips Blue 10:1	REF 110409



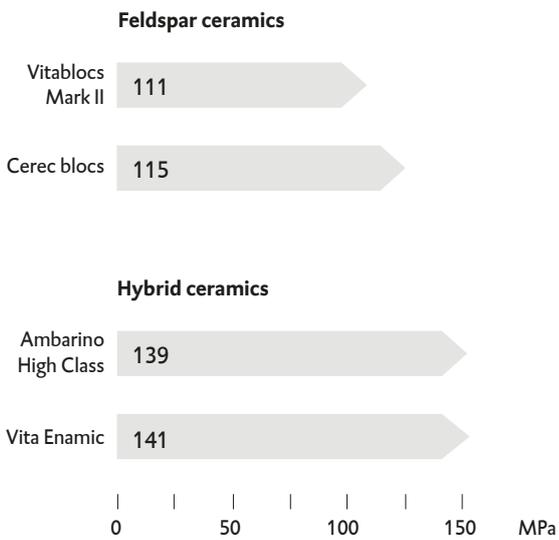
Flexural strength in MPa

Temporary restorations



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

Permanent restorations



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.



Prepared core.

Crown cemented.

Easy removal of excess material using a scaler.

Final restoration.



TECHNICAL DATA

	PermaCem 2.0	PermaCem-Dual	PermaCem
Working time [min]	01:00	02:00	02:00
Excess removal after placement [min]	0:30-1:00	1:30-2:00	1:30-2:00
Light curing [s] (immediate fixation)	20	20	
Setting time in the mouth [min]	07:00	05:00	05:00
Compressive strength [MPa]	> 200	> 200	> 200
Film thickness [µm]	< 20	< 15	< 15

PermaCem 2.0



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

PermaCem-Dual

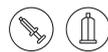


Adhesive, dual-curing luting cement

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

PermaCem



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

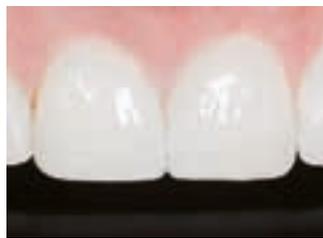
A special Veneer-Tip was developed to simplify the placement of veneers. This allows the material to be evenly applied in one flat strip. The material consistency optimized for application ensures easy removal of excess material.

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.



Before: significant diastemata in the upper anterior jaw area.



After: esthetic gap closure using non-prep veneers.



Before: significant diastemata and asymmetric tooth positioning.



After: balancing of the tooth misalignment with low-prep veneers.





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

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



Package

- 1 Bottle @ 3 ml Vitique Silane Adhesive
- 1 Bottle @ 3 ml Vitique Silane Activator
- 50 Brushes
- 1 Brush holder REF 213118



**TABLES
AND OVERVIEWS**



Prevention and Infiltration

When to use which material?

		Flairesse paste	Flairesse gel	Flairesse foam	Flairesse varnish	Icon proximal	Icon smooth surface
Cleaning		■					
Remineralization			■	■			
Fluoride therapy					■		
Dentine sensitivity					■		
Caries - intact surface	E1	■	■	■	■	■	■
	E2	□	□	□	■	■	■
	D1					■	■
Esthetics	Fluorosis						■
	Cariogenic white spots						■

■ ■ Use highly recommended

□ □ Use recommended



Restorative dentistry

When to use which material?

	Constic	Ecosite Bulk Fill	EcuSphere-Shape	EcuSphere-Carat	EcuSphere-Shine	EcuSphere-Flow	Ionosit-Baseliner	LuxaCore Z - Dual
Class I	■	■	■	■		■		
Class II		■	■	■				
Class III	■		■	■	■	■		
Class IV			■	■	■	■		
Class V	■	■	■	■	■	■		
Direct inlays/onlays				■				
Direct veneers					■			
Deciduous teeth	■	■				■		
Fissure sealant	■	■				■		
Liner	■					■	■	
Root caries	■					■		
Tunnel preparation	■					■		
Minimal invasive	■				■	■		
Restoration of temporaries	■					■		
Core build-up		■						■
Type of material	Composite	Nano Hybrid-Composite	Hybrid-Composite	Hybrid-Composite	Mikrofiller-Composite	Composite	Compomere	Composite
Number of shades	6	3	12	4	3	4	1	3
Shade	A1, A2, A3, A3,5, B1, Opaque-White	Light, Universal, Contrast	A1, A2, A3, A3,5, A4, B1, B2, B3, C1, C3, D2, D-A3	A1, A2, A3, A3,5	A2, A3, Transparent	A1, A2, A3, A3,5	B2	Light-opaque, A3, Blue
Curing time	20 s	20 s	20 s	20 s	20 s	20 s	20 s	40 s
Light-cure	■	■	■	■	■	■	■	■
Self-cure								■
Radiopaque	■		■	■		■	■	■
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 syringe, 0,3 g Safetip	1,5 g Luer-Lock-syringe	0,33 g Saferinge, 1,5 g Luer-Lock-syringe	9 g Smartmix-syringe, 48 g Automix-cartridge



Adhesives

When to use which material?

		TECO	LuxaBond-Total Etch	Contax	Contax + Activator	Ecosite-Bond
Technique	Total-Etch	■	■			■
	Self-Etch			■	■	■
For adhesive cementation of	Light-curing restorative materials	■		■		■
	Self and dual-curing restorative materials		■		■	
Curing mode of the adhesive	Light-cure	■		■	■	■
	Dual-cure		■			
Usage in combination with DMG products	EcuSphere	■		■		■
	Ionosit-Baseliner	■		■		
	Vitique	■		■		■
	PermaCem		■		■	
	PermaCem-Dual		■		■	
	LuxaCore Z - Dual		■		■	
	Ecosite Bulk Fill					■
Direct Restoration	Core build-up		■		■	■
	Direct fillings	■	■	■	■	■
	Luting of veneers	■				
	Root canal		■			
	Luting of indirect restorations	■	■	■	■	



Impression

When to use which material?

	Honigum Pro-Light	Honigum Pro-Mono	Honigum Pro-Heavy	Honigum Pro-Putty	Honigum-Light	Honigum-Mono	Honigum-Heavy	Honigum-Putty	Silagum-Light	Silagum-Medium	Silagum-Mono	Silagum-Putty	LuxaForm	StatusBlue
Crown and bridge impressions	■	■	■	■	■	■	■	■	■	■	■	■		
Inlay and onlay impressions	■	■	■	■	■	■	■	■	■	■	■	■		
Implant impressions			■				■							
Fixation impressions			■				■							
Functional impressions		■				■				■	■			
Pressure-spot indication		■				■				■				
Situation impression														■
Pickup impression										■				
Impressions for the fabrication of temporaries													■	■
Impressions for the fabrication of vacuum formed templates														■
Opposing jaw models														■
Fabrication of models														■

Impression with Honigum Pro



		Honigum Pro-Light	Honigum Pro-Mono	Honigum Pro-Heavy	Honigum Pro-Putty
Viscosity		Low viscosity	Medium viscosity	High viscosity	High viscosity
Setting behavior	Normal-curing	■	■	■	■
	Fast-curing	■	■	■	
Technique	Monophase		■		
	Double-mixing		■	■	■
	Correction			■	■
Syringe material		■			
Insertion resistance	Low	■			
	Medium		■	■	

Impression with Honigum



	Honigum Light		Honigum Mono			Honigum Heavy				Honigum Putty			
	Fast					Fast			Fast	Soft		Soft Fast	Rigid Fast
Mixing time [min]	50/25	50/25	380	50	50	380	380	50	50	380	450×2	450×2	450×2
Intraoral working time [min]					00:30						00:30	00:30	00:30
Max. extraoral working time [min]	02:15	01:30	02:00	02:15	02:30	02:15	01:15	02:00	01:15	01:45	03:15	01:45	01:45
Setting time in the mouth [min]	03:30	02:00	03:15	02:30	02:45	03:15	02:00	03:15	02:00	03:15	03:15	01:45	01:45
Dimensional change after 24 h [%]	≤0.5	≤0.5	≤0.4	≤0.4	≤0.4	≤0.4	≤0.4	≤0.4	≤0.4	≤0.5	≤0.5	≤0.5	≤0.5
Compression set [%]	≤0.35	≤0.35	≤0.7	≤0.7	≤0.7	≤0.5	≤0.5	≤0.5	≤0.5	≤0.6	≤0.5	≤0.5	≤0.5
Shore-A-hardness	≈47	≈47	≈47	≈47	≈47	≈67	≈67	≈67	≈67	≈66	≈62	≈62	≈70
Strain in compression [%]	≈4.5	≈3.9	3.0-5.5	3.0-5.5	3.0-5.5	≈1.4	≈1.4	≈1.4	≈1.4	≈2.0	≈2.2	≈2.2	≈1.7
Color													



Temporary Care

When to use which material?

	Luxatemp Star	Luxatemp-Fluorescence	Luxatemp-Plus	Luxatemp-Solar	Luxatemp-Inlay	LuxaFlow Star	Luxatemp-Glaze & Bond
Temporary crowns and bridges	■	■	■	■			
Temporary inlays and onlays	■	■	■	■			
Temporary partial crowns	■	■	■	■			
Temporary veneers	■	■	■	■			
Long-term temporaries	■	■	■	■			
Temporary restoration of inlay preparations					■		
Temporary closure of implant screw access canals					■		
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						■	■
Type of material	Bis-acrylate	Bis-acrylate	Bis-acrylate	Bis-acrylate	Composite	Composite	1-component material, based on multifunctional methacrylates



Luting Cements: temporary and permanent

When to use which material?

		PermaCem 2.0	PermaCem	Vitique	LuxaCore Z-Dual	TempoCem NE	TempoCem
Permanent	Permanent	■	■	■	■		
	Temporary					■	■
Indications	Crowns/bridges	■	■			■	■
	Inlays/onlays	■	■			■	■
	Veneers			■			
	Root posts	■			■		
	Implant abutments	■				■	
Cementation	Adhesive		■	■	■		
	Self-adhesive	■					
	Retentive					■	■
Type of material	Composite	■		■	■		
	Compomere		■				
	Zinc oxide					■	■
Curing mode	Light-cure	■	■	■	■		
	Self-cure	■	■		■	■	■
Number of shades		3		8	3		
		A2 Universal, A3 Opaque, Transparent		A1, A2.5, A4, B1, BL, TR, White, Pink	Light opaque, A3, Blue		



Luting Cements: temporary and permanent

When to use which material?

		PermaCem 2.0	PermaCem	Vitique	TempoCemNE	TempoCem
Metal/metal-based	Inlays	■	□		■	■
	Onlays	■	□		□	□
	Crowns/bridges	■	□		■	■
	Root posts	■				
	on implant abutments	■				□
Silicate ceramics (e.g. lithium disilicate, feldspar)	Inlays	□	□		■	■
	Onlays	□	□		□	□
	Crowns/bridges	■	□		■	■
	Veneers		□	■		
Oxide ceramic (zirconium oxide/aluminum oxide)	Kronen/Brücken	■	□		■	■
	Wurzelstifte	■				
	auf Implantat-Abutments	■				□
Composite restorations	Inlays	□	□		■	■
	Onlays	□	□		□	□
	Crowns	■			■	■
	Root posts	■				
	Veneers		□	■		

■ ■ ■ Use highly recommended

□ □ □ Use recommended



Automix-Dispenser

Automix-Tips

DISPENSER FOR 25 ml CARTRIDGES IN MIXING RATIO 1:1

 <p>Type 25 1:1 REF 110253</p>	Suitable for LuxaCore Z - Dual Honigum Pro-Light/-Light Fast Honigum-Light/-Light Fast Silagum-Comfort	Automix-Tips Yellow 1:1 50 × REF 909200 	Intraoral-Tips Yellow* 50 × REF 909201 
	Suitable for LuxaCore Z-Dual	Automix-Tips Endo L 20 × REF 110963 	Endo-Tips Yellow 50 × REF 212280 
	Suitable for TempoCem TempoCemNE PermaCem PermaCem-Dual	Automix-Tips Blue 1:1 50 × REF 110266 100 × REF 110267 	* Not suitable for Silagum-Automix Comfort

DISPENSER FOR 50 ml CARTRIDGES, MIXING RATIO 1:1

 <p>Type 50 1:1 REF 909507</p>	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 Yellow 1:1 50 × REF 909200 	Intraoral-Tips Yellow* 50 × REF 909201 
	Suitable for Honigum Pro-Mono Honigum Pro-Heavy/Heavy Fast Honigum Pro-Heavy Scan Honigum-Mono Honigum-Heavy/Heavy Fast	Automix-Tips Green 1:1 50 × REF 909490 	Intraoral-Tips Transparent 50 × REF 909400 
	Suitable for O-Bite/O-Bite Scan Silagum-Comfort	Automix-Tips Pink 1:1 50 × REF 909202 	Conturation-Tips 50 × REF 909203 

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

 <p>Type 50 10:1 REF 110411</p>	Suitable for Luxatemp-Plus Luxatemp-Solar Luxatemp Star	Automix-Tips Blue 10:1 45 × REF 110409 	
	Suitable for LuxaBite	Automix-Tips Yellow 10:1 25 × REF 110609 	
	Suitable for StatusBlue	Automix-Tips Pink 4:1 25 × REF 909797 	

* Not suitable for Silagum-Comfort



Application Tips For Syringes and Smartmix

SMARTMIX-TIPS GREEN-BLUE		SMARTMIX-TIPS SHORT	
REF 110990 (50 pieces)		REF 212040 (50 pieces)	
	Suitable for Luxatemp Star Luxatemp-Fluorescence		Suitable for TempoCemNE TempoCem PermaCem 2.0 PermaCem-Dual PermaCem

SMARTMIX-TIPS COMBI		SMARTMIX-TIPS ENDO	
REF 212042 (50 pieces each)		REF 212041 (50 pieces each)	
	Suitable for LuxaCore Z - Dual		Suitable for LuxaCore Z - Dual

SMARTMIX-TIPS ENDO M		SMARTMIX-TIPS ENDO L	
REF 213373 (20 pieces)		REF 213083 (20 pieces)	
	Suitable for PermaCem 2.0		Suitable for LuxaCore Z - Dual

VENEER-TIPS			
REF 213057 (100 pieces)			
	Suitable for Vitique		

LUER-LOCK-TIPS BLACK		LUER-LOCK-TIPS SILVER	
REF 211477 (60 pieces)		REF 220712 (20 pieces)	
	Suitable for LuxaFlow Star Ionosit-Baselinier EcuSphere-Flow		Suitable for Constic

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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

000751/#1_2017-09

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