

Dental Milestones Guaranteed

Dental Materials 2013 / 2014

 **Honigum**  LuxaBite  O-Bite

 TempoCem  **Luxatemp Star**

 **Silagum**  LuxaFlow Star  LuxaForm  StatusBlue

 Alphaplast  Vitique  **LuxaCore Z**

 Ionosit-Baseliner  LuxaBond  Contax  EcuSphere

 **Flairesse**  **Icon**  TECO

 LuxaPost  PermaCem 2.0

Dental Milestones Guaranteed



Bringing dentistry forward in a true spirit of innovation.

That is what we aspire to at DMG.

True, it is certainly an ambitious undertaking. But how else can you develop further without having high-reaching goals? So, in this catalog you will again find a number of interesting innovations. Solutions that are the result of blood, sweat and tears and the spirit of innovation to make life more comfortable for dentists and patients alike.

There is **PermaCem 2.0**, for example. The brand-new luting composite that ensures strong adhesion, even to modern zirconia ceramics – self-adhesive, with no additional bonding or etching!

Or **Flairesse**: DMG's new prophylaxis system is a significant further development away from restoration, in the direction of preservation. The multi-step system for professional tooth cleaning has brought things forward, one step closer to DMG's most spectacular innovation in recent times: **Icon**.

One revolution – two indications.

The new Icon infiltration treatment has already caused quite a bit of a stir. A change in thinking is going on in many dentists' offices. The range of treatments has expanded, new perspectives have arisen. For dentists and patients alike.

See for yourself how infiltration using Icon offers new solutions for not one, but two relevant indications: The substance-sparing treatment of early proximal caries as well as the esthetic removal of white spots on smooth surfaces.

The future? It starts now.

Enjoy the read!

Kind regards,


Dr. Wolfgang Mühlbauer
President DMG


Susanne Stegen
Executive Vice President DMG



Contents

Prevention and Caries Infiltration

Prevention

- 10 **Flairesse**
- 11 Flairesse paste
- 11 Flairesse gel/foam
- 11 Flairesse varnish

Caries Infiltration

- 12 **Icon**
- 13 Icon proximal
- 14 Icon smooth surface



12

Impression Material

Situation impression

- 18 **StatusBlue**
- 19 StatusBlue

Precision Impression

- 20 **Honigum**
- 22 Honigum-Light
- 22 Honigum-Mono
- 23 Honigum-Heavy
- 23 Honigum Putty

Bite Registration

- 30 **LuxaBite und O-Bite**
- 31 O-Bite
- 31 LuxaBite



20

- 26 **Silagum**
- 28 Silagum-Light
- 28 Silagum-Medium
- 28 Silagum-Mono
- 29 Silagum-Putty

24 **MixStar-eMotion**

- 25 Products for implantology

Temporary Care

Fabrication of Temporaries

- 34 **Luxatemp Star**
- 36 Luxatemp Star
- 37 Luxatemp-Plus
- 37 Luxatemp-Solar
- 38 Luxatemp-Inlay
- 38 LuxaFlow Star
- 39 Luxatemp-Glaze & Bond

Temporary Cementation

- 40 **TempoCem**
- 41 TempoCem NE
- 41 TempoCem



34

Indirect Restoration

Core Build-ups and Root Posts

- 44 **LuxaCore Z**
- 45 **LuxaPost**
- 46 LuxaCore Z - Dual
- 46 LuxaCore

- 47 LuxaCore Z - Post System
- 47 LuxaPost

Permanent Cementation

- 48 **Vitique**
- 49 Vitique

- 50 **PermaCem 2.0**
- 51 PermaCem 2.0

- 52 **PermaCem**
- 53 PermaCem-Dual
- 53 PermaCem

Direct Restoration

Restorative Materials

- 56 **EcuSphere**
- 58 EcuSphere-Shape
- EcuSphere-Carat
- 59 EcuSphere-Shine
- 59 EcuSphere-Flow

- 62 Alphaplast
- 62 Silber 70-Solo

Underfilling Material

- 60 **Ionosit-Baselinier**
- 61 Ionosit-Baselinier

- 63 Restorative materials – when to use it.

Bonding Agent

- 62 Ecusit-Composite Repair

- 64 **TECO**
- 65 TECO

- 66 **LuxaBond**
- 67 LuxaBond

- 68 **Contax**
- 69 Contax

- 70 Adhesives – when to use it.

Labor

- 71 Silatec
- 71 Dry Coat
- 71 Supertec

- 72 Automix-Dispenser
- 73 Application Tips for syringes and Smartmix



Prevention and Caries Infiltration

Prevention

- Flairesse paste
- Flairesse gel/foam
- Flairesse varnish

Caries Infiltration

- Icon proximal
- Icon smooth surface





■ 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. Here is where Flairesse comes in. The new prophylaxis system has a special agent for each step of the process, all with 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?!



Work in the paste.



Flairesse Prophylaxis foam and gel are excellent for use in a tray.



Flairesse Prophylaxis varnish is easy to apply.



■ Flairesse paste



Flairesse Prophylaxis paste

Indications

- Removal of superficial soft and hard plaque
- Removal of extrinsic stains

Good reasons for

Flairesse Prophylaxis paste:

- For a perfect cleaning and polishing effect
- Does not splatter
- 3 different grits
- Contains xylitol and fluoride
- 2 fresh flavors: Mint and Melon

Package

200 Single Dose @ 1.8 g

1 Autoclavable Propy Ring

Mint fine	REF 220414
Mint medium	REF 220415
Mint coarse	REF 220416

Melon fine	REF 220420
Melon medium	REF 220421
Melon coarse	REF 220422

Package

1 Tube @ 75 ml

Mint fine	REF 220417
Mint medium	REF 220418
Mint coarse	REF 220419

Melon fine	REF 220423
Melon medium	REF 220424
Melon coarse	REF 220425

■ Flairesse gel/foam



Flairesse Prophylaxis gel and Prophylaxis foam

Indications

Gel:

- Promotes remineralization of the enamel after professional tooth cleaning
- Remineralization of incipient caries

Foam:

- Promotes remineralization of the enamel after professional tooth cleaning

Good reasons for

Flairesse Prophylaxis gel and Prophylaxis foam:

- Increase enamel resistance against acid attacks
- Contain xylitol and fluoride
- Do not drip
- Short application time: only 1 minute
- Can be used in a tray
- 3 fresh flavors: Mint, Melon and Strawberry

Package

1 Bottle @ 480 ml

Mint	REF 220411
Melon	REF 220412
Strawberry	REF 220413

Package

1 Can @ 125 g

Mint	REF 220408
Melon	REF 220409
Strawberry	REF 220410

■ Flairesse varnish



Flairesse Prophylaxis varnish

Indications

- Treatment of hypersensitive teeth
- Sealing of dentine tubules after cavity preparations
- Sealing of hypersensitive cervixes and exposed root dentine
- Protective varnish for the prevention of caries
- Remineralization of incipient caries

Good reasons for

Flairesse Prophylaxis varnish:

- Desensitizes reliably
- Contains xylitol and fluoride
- Invisible on teeth
- Easy to use
- 2 fresh flavors: Mint and Melon

Package

35 Single Dose @ 0.4 ml

35 Brushes

Mint	REF 220404
Melon	REF 220405

Icon Gentle. Esthetic. Icon.

One new method – two attractive therapy options. Infiltration treatment with Icon offers new and tooth-friendly possibilities for dentists and patients.

Removing cariogenic white spots on smooth surfaces – e.g. after brace removal – simply and esthetically? A case for Icon smooth surface.

Stopping incipient caries in difficult-to-reach interdental spaces, without unnecessarily sacrificing healthy tooth substance? Icon proximal makes it possible.

Whatever the indication, infiltration with Icon requires only one sitting and succeeds without drill or injection.

The equally simple and ingenious principle: the Icon-infiltrant, a highly fluid resin, is absorbed into the cariogenic pore system of the damaged tooth, filling it in and blocking the penetration of cariogenic acids. Early caries can thus be stopped quickly, while still preserving tooth substance. With full esthetic and medical advantages.

Pleasant for the patient. Good for the dentist.

Good reasons

- Esthetic and medical indication
- Caries progression can be arrested early
- Immediate treatment of initial lesions upon diagnostic assessment; no more waiting until a restorative therapy becomes necessary
- Preserves healthy hard tissue and prolongs the life expectancy of the tooth
- Gentle method without anesthesia or drilling
- User-friendly and patient-friendly application process in only one sitting
- This method can also be used to correct cariogenic white spots
- Very effective for patients with poor compliance





Stops incipient caries, without unnecessary loss of healthy tissue.

Icon arrests the progression of incipient proximal caries – before drilling is required. Patented proximal tips provide quick and easy access to the areas to be treated.

The lesion is first prepared with an etching gel, using the special proximal tip. Then, through capillary action, the low-viscosity infiltrant is absorbed into the porous caries lesion. It fills it, stabilizes it and blocks penetration of cariogenic acids.

Caries progression can thus be arrested early.

The accompanying dental wedges can be used, if necessary, to gently separate the teeth to be treated.

Icon proximal – treat earlier, preserve longer.

Good reasons

- Tooth friendly filling by infiltration – no drilling needed
- 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

Icon – proximal application



Placing a rubber dam. Separating the affected teeth.



Etching with Icon-Etch.



Drying with Icon-Dry.



Applying Icon-Infiltrant.



Removing excess material.



Light-curing.

Icon The new way to remove white spots.

Icon vestibular masks cariogenic white spots on smooth surfaces.

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 unaesthetic discolorations called white spots. The Icon infiltrant, which penetrates 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.

Icon vestibular: Esthetic results in just one gentle treatment.

Good reasons

- Gentle method for counteracting cariogenic white spots – with an esthetic side effect
- No unnecessary loss of healthy hard tissue
- User-friendly and patient-friendly application process in only one sitting

Icon – smooth surface application



Initial situation.



Situation after using Icon Etch.



Control of esthetic outcome using Icon Dry. Lesions diminish considerably.



Application of Icon-Infiltrant.



Immediate outcome after lightcuring.



Treatment result after polishing.

Icon



Caries Infiltrant – proximal

Indication

Micro-invasive treatment of early, non-cavitated caries (maximal radiological lesion progression into the outer third of dentin) in the proximal area.

Good reasons

- Tooth friendly filling by infiltration – no drilling needed
- 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 Kit

- 2 Treatments 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

Package

- 7 Treatments 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



Caries Infiltrant – smooth surface

Indication

Micro-invasive treatment of enamel-restricted, non-cavitated caries on smooth surfaces (e.g. cariogenically induced white spots following the removal of brackets).

Good reasons

- Gentle method for counteracting cariogenic white spots – with an esthetic side effect
- No unnecessary loss of healthy hard tissue
- User-friendly and patient-friendly application process in only one sitting

Starter Kit

- 2 Treatments 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 220343

Package

- 7 Treatments 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

Impression Material

Situation impression

■ StatusBlue

Precision Impression

■ Honigum-Light

■ Honigum-Mono

■ Honigum-Heavy

■ Honigum-Putty

■ Silagum-Light

■ Silagum-Medium

■ Silagum-Mono

■ Silagum-Putty

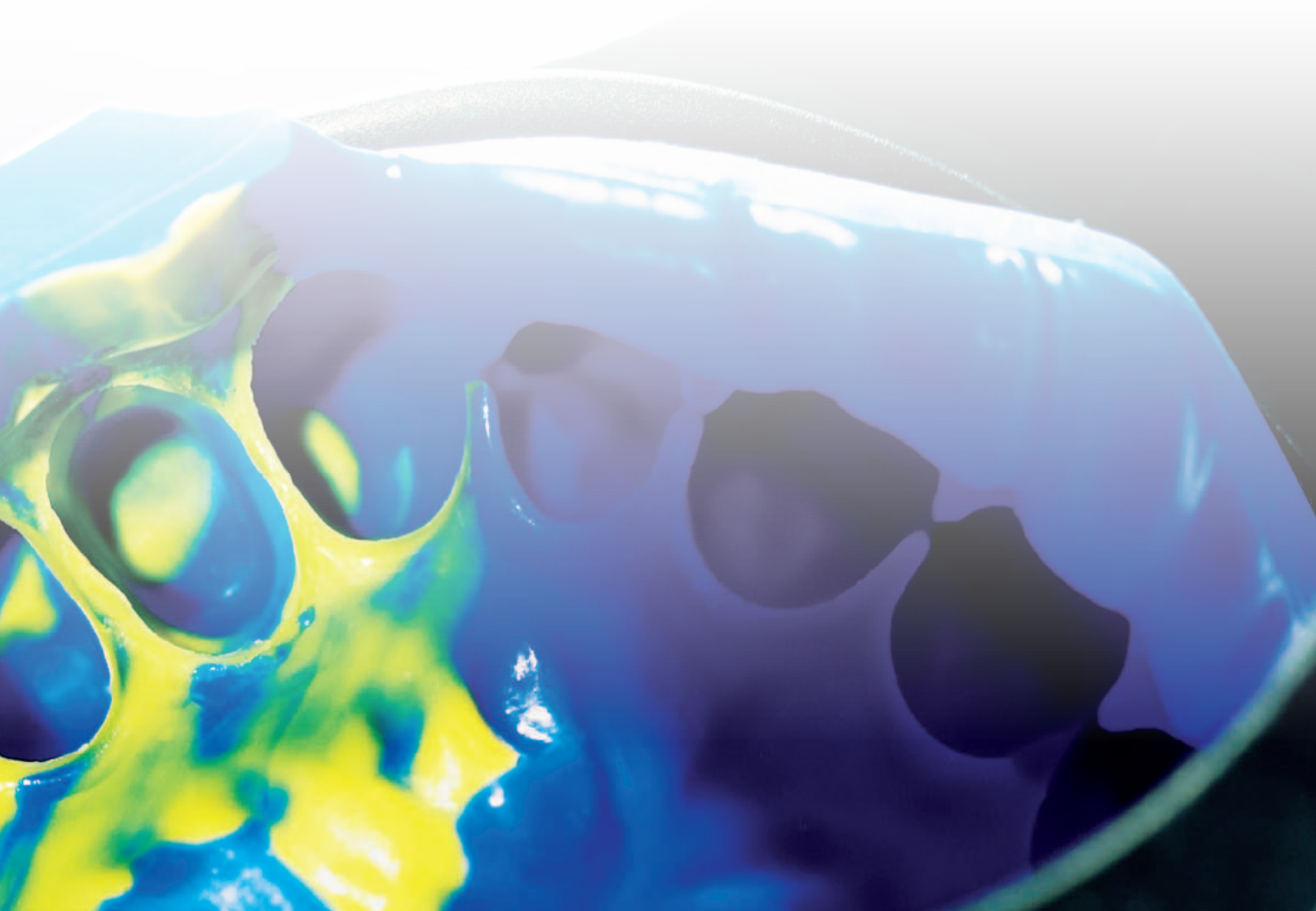
■ MixStar-eMotion



Bite Registration

■ O-Bite

■ LuxaBite






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«.

Technical Data

StatusBlue	 
Working time [min]	1:15
Setting time in the mouth [min]	1:45
Dimensional change after 24 h [%]	≤ 0.4
Compression set [%]	≈ 0.7
Shore-A-hardness	≈ 40
Strain in compression [%]	≈ 7.0
Color	



Application of DMG Tray-Adhesive.



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



Homogeneous and bubble-free application of Luxatemp into the StatusBlue impression.



StatusBlue



Pourable after 10 minutes

VPS-based situation impression material

Indications

Impressions for situation impression, provisionals, opposing jaw models, impressions for fabricating vacuum formed templates

Good reasons

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

Good reasons for the Automix cartridge

- Direct application
- Same dispenser as for Luxatemp
- Convenient application form for alginate indications

Tray-Adhesive



Tray adhesive for all VPS materials

Indications

Tray adhesive to ensure optimal retention of VPS materials on metal and plastic trays

Good reasons

- Promotes the 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 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
1 MixStar-eMotion 230 V GB	REF 900483
1 MixStar-eMotion 230 V NZ/AUS	REF 900484
1 MixStar-eMotion 115 V int.	REF 900482
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

Package

1 Bottle @ 10 ml	REF 909394
------------------	------------

Economy Pack

10 Bottles @ 10 ml	REF 909396
--------------------	------------

■ Honigum Overcoming opposites.

Since its introduction in 1997 Honigum has evolved to one of the most successful and preferred impression materials worldwide. DMG continues to enhance its product portfolio to meet the dentists' varying needs. Thus, Honigum offers highest precision for all indications and techniques.

From monophase impression material to double-mixing or correction impression techniques up to the fixation of impression posts for implant impressions: The Honigum family offers a reliable solution for any indication.

Honigum-Heavy, -Light, -Mono, -Putty and Honigum-MixStar Putty have one aspect in common: the best material quality combined with an intelligent application.

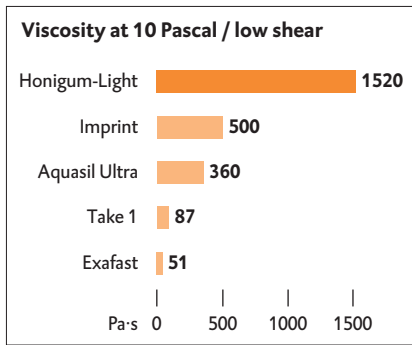
The MixStar cartridges can be comfortably mixed and dispensed in DMG's MixStar-eMotion and all other commercially available mixing devices. In order to distinguish the various product variants, all cartridges are color-coded and the cartridges indicate the respective working times and the time in mouth, thus promoting accurate treatment processes.

Good reasons

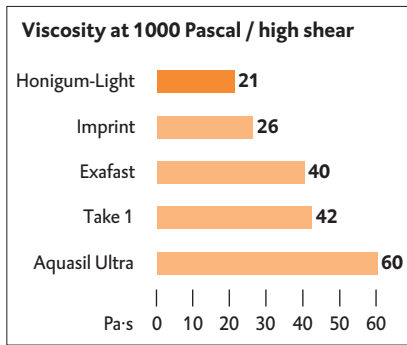
- Exceptional detail reproduction
- Outstanding stability in the tray and intraorally
- Remarkable flow properties under light pressure
- Balanced hydrophilicity
- Neutral taste and honey scent



A quantum leap where rheological behavior is concerned*



At low shear stress Honigum-Light reaches highest values considering the stability.

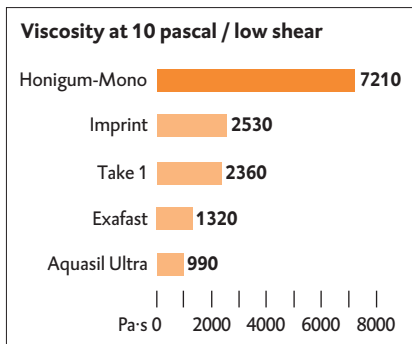


At high shear stress Honigum-Light exhibits the best flow properties.

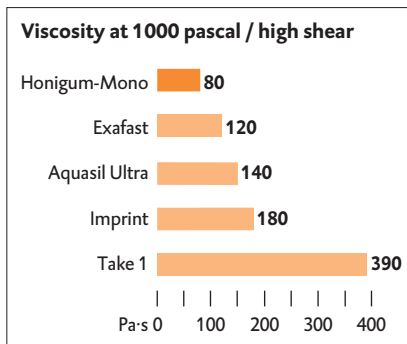
The diagrams show the viscosity behavior of different light-bodied impression materials at low and high shear strength. The diagrams show clearly the unique rheological behavior of Honigum-Light and Honigum-Mono.

Under low shear stress, Honigum exhibits significantly higher values than its competitors, which emphasizes its exceptional stability. This characteristic ensures that the material always stays in the area where it has been applied without seeping away. Under high shear stress, the viscosity of the material changes.

This quantum leap in the union of seemingly incompatible property profiles – **extreme stability and extreme flowability** – is not accomplished by any other material in this study.



With the highest viscosity values at low shear stress, Honigum-Mono provides the best stability.



At high shear stress, Honigum-Mono exhibits the best flow properties.

Technical Data

Honigum	Light			Mono			Heavy				Putty			
	Fast						Fast		Fast		Soft	Soft Fast	Rigid Fast	
Mixing time [min]						0:30					0:30	0:30	0:30	
Max. extraoral working time [min]	2:15	1:30	2:00	2:15	2:30	2:30	2:15	1:15	2:00	1:15	1:45	3:15	1:45	1:45
Setting time in the mouth [min]	3:30	2:00	3:15	2:30	2:45	2:45	3:15	2:00	3:15	2:00	3:15	3:15	1:45	1:45
Dimensional change 24 h [%]	≤ 0.5	≤ 0.5	≤ 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 [%]	≤ 0.35	≤ 0.35	≤ 0.7	≤ 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	≈ 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	3.0 - 5.5	≈ 1.4	≈ 1.4	≈ 1.4	≈ 1.4	≈ 2.0	≈ 2.2	≈ 2.2	≈ 1.7
Color	Yellow	Orange	Dark Green	Dark Green	Dark Green	Dark Green	Blue	Teal	Blue	Teal	Blue	Teal	Purple	Dark Blue

Source: *C. Luu, and C. Angeletakis, Kerr Corporation, Orange, CA, USA, Shear Thinning Behavior of Silicone Impression Materials, Poster#1849, IADR Honolulu, Hawaii, 2004.

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
- Available in two Automix cartridges: 25 ml and 50 ml

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, e.g. for implants

Good reasons

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

Package

1 Cartridge @ 380 ml	
10 MixStar-Tips	REF 909568

2 Cartridges @ 50 ml	
4 Automix-Tips	
4 Intraoral-Tips	REF 909830

2 Tubes @ 135 ml	
1 Mixing pad	
2 Tube keys	REF 909551

Economy Pack

5 Cartridges @ 380 ml	
50 MixStar-Tips	REF 909569

8 Cartridges @ 50 ml	
20 Automix-Tips	
20 Intraoral-Tips	REF 909834

Accessories

1 MixStar-eMotion 230 V int.	REF 900480
1 MixStar-eMotion 230 V GB	REF 900483
1 MixStar-eMotion 230 V NZ/AUS	REF 900484
1 MixStar-eMotion 115 V int.	REF 900482
50 MixStar-Tips	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

- Exceptionally high final hardness
- Optimal resistance when positioned
- Excellent fixation characteristics
- Trouble-free and safe removal
- Invariably homogeneous, bubble-free material quality

Package

1 Cartridge @ 380 ml	
10 MixStar-Tips	
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	
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 230 V int.	REF 900480
1 MixStar-eMotion 230 V GB	REF 900483
1 MixStar-eMotion 230 V NZ/AUS	REF 900484
1 MixStar-eMotion 115 V int.	REF 900482
50 MixStar-Tips	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
- Excellent hardening properties from the time the material is dispensed
- Remarkable tear strength
- Excellent recovery after deformation
- Formable by hand

Good reasons for Honigum-Putty

- Unique Snap-Set technology (long working time and short time in 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

MixStar-eMotion 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 its predecessor, the MixStar, i. e. you can save up to 20 seconds filling the 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.

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



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



Easy loading of a syringe at speed level 1.



Quick loading of a tray at speed levels 2 or 3.

Packaging

- 1 MixStar-eMotion 230 V int. REF 900480
- 1 MixStar-eMotion 230 V GB REF 900483
- 1 MixStar-eMotion 230 V NZ/AUS
REF 900484
- 1 MixStar-eMotion 115 V int. REF 900482



■ Products for implantology

		Total or partial dentures	Implant-retained crown and bridge restorations	Dentist	Lab technician	Material
1.	Implant preparation					
1.1	Clinical exam	●	●	●		
1.2	Evaluation of alveolar ridge, situation model	●	●	●		StatusBlue
1.3	Fabrication of bite pattern	●			●	Supertec
1.3 a	Fabrication of radiograph template	●	●		●	Supertec
1.4	Determination of jaw relation, articulated situation models		●	●		O-Bite, LuxaBite
1.4 a	Determination of jaw relation	●		●		Technician's bite pattern
1.5	Diagnostic setup/working model	●	●		●	
1.6	Fabrication of drilling/surgery template light-curing auto-polymerizing materials	●	●		●	Supertec
1.6 a	Fabrication of drilling/surgery template thermoplastic process	●	●		●	Silatec
1.7	Temporary	●			●	
2.0	Implantation Visualizing the alveolar ridge, creating an implant bed, inserting the implant, wound closure and postoperative treatment, integrating the provisional, recall/healing phase					
2.1	Rework of existing temporary	●		●		Silagum-Comfort
3.0	Prosthetic restoration					
3.1	Situation impression	●	●	●		StatusBlue
3.2	Fabrication of individual trays	●	●		●	Supertec
3.3	Fabrication of a bite pattern	●			●	Supertec
3.4	Exposure of the implants	●	●	●		
3.5	Take impressions of the implants	●	●	●		Honigum-Heavy, (LuxaBite)
3.5 a	Fabrication of master model and supra-construction	●	●		●	
3.6	Post healing	●	●	●		
3.7	Opposing jaw impression	●	●	●		StatusBlue
3.8	Bite registration		●	●		LuxaBite, O-Bite
3.8 a	Bite registration (Bite pattern, 3.3)	●		●		
3.9	Temporary fabrication		●	●	●	Luxatemp Star
3.9 a	Temporary rework	●	●	●		Silagum-Comfort
4.0	Integrating the supra-construction					
4.1	Temporary fixation of restoration		●	●	●	TempoCem
4.2	Fasten abutments	●	●	●		
4.3	Temporary closure of implant screw access canals	●	●	●		Luxatemp-Inlay
4.4	Definitive cementation	●	●	●		PermaCem, Vitique














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.

Good reasons

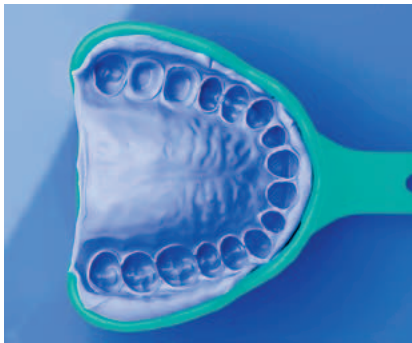
- Impressions can be stored for a long time
- Excellent recovery after deformation
- Good hydrophilicity
- High-contrast shades
- Tailored to all dental requirements

Technical Data

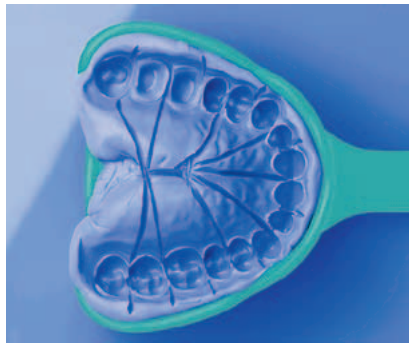
Silagum	Light		Medium		Mono		
							
		Fast		Fast			
Mixing time [min]		0:30				0:30	
Max. extraoral working time [min]	2:15	2:15	1:30	2:15	1:30	2:30	
Setting time in the mouth [min]	3:30	3:30	2:15	3:30	2:15	3:30	
Dimensional change 24 h [%]	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.35
Compression set [%]	≤ 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
Color							



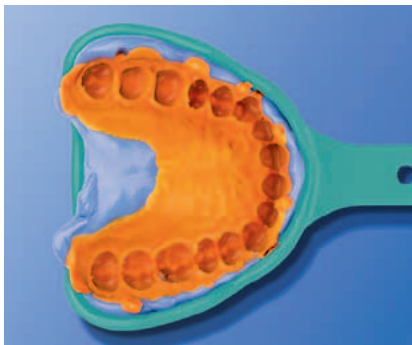
Reliable detail reproduction



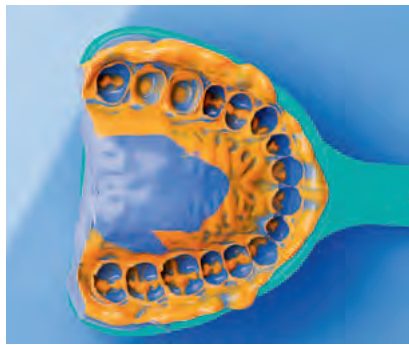
Pre-impression with Silagum-Putty.



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	Putty			
	 MixStar Putty Soft	 Standard	 Fast	 Soft
Mixing time [min]		0:30	0:30	0:30
Max. extraoral working time [min]	2:00	1:45	1:15	1:45
Setting time in the mouth [min]	3:30	3:30	2:30	3:30
Dimensional change 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
Color				

Silagum-Light



Proven correction material based on VPS

Indications

Crown and bridge impressions, inlay and onlay impressions

Good reasons

- Good hydrophilic properties
- 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 indicator

Good reasons

- Good flow properties
- Good stability
- Available as normal or fast setting material

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



Monophase impression material based on VPS

Indications

Crown and bridge impressions, inlay and onlay impressions and 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



Proven pre-impression material based on VPS

Indications

Crown and bridge impressions, inlay and onlay impressions

Good reasons for Silagum-Putty

- Easy dosage
- Excellent recovery after deformation
- Easy removal from mouth
- Exceptional kneadability
- Good dimensional stability
- Especially suited for two-phase impressions with Silagum-Light/Fast

Specialities

Silagum-Putty is available in three types:
 Silagum-Putty Standard – standard set
 Silagum-Putty Fast – fast set
 Silagum-Putty Soft – lower Shore-A-hardness

Package

1 jar @ 262 ml base	
1 jar @ 262 ml catalyst	
Silagum-Putty Standard	REF 909018
Silagum-Putty Fast	REF 909037
Silagum-Putty Soft	REF 909019

Economy Pack

4 jars @ 262 ml base	
4 jars @ 262 ml catalyst	
Silagum-Putty Standard	REF 909405
Silagum-Putty Fast	REF 909038
Silagum-Putty Soft	REF 909036

Bulk Pack

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

Accessories

1 Bottle @ 10 ml Tray-Adhesive	REF 909394
--------------------------------	------------



Good reasons for Silagum-MixStar Putty Soft

- Exceptional dimensional stability
- Continuously homogeneous and 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
1 MixStar-eMotion 230 V GB	REF 900483
1 MixStar-eMotion 230 V/NZ/AUS	REF 900484
1 MixStar-eMotion 115 V int.	REF 900482
50 MixStar-Tips	REF 909567
1 Bottle @ 10 ml Tray-Adhesive	REF 909394

Silagum-Comfort



Permanently soft relining material based on VPS

Indications

Relining for total, partial and implant anchored dentures

Good reasons

- Excellent bond
- Superior tear strength
- Odorless and tasteless
- Very user-friendly handling
- Highly esthetic due to transparent pink color

Specialities

Available in the 25 ml and the 50 ml Automix cartridge

Intro Kit

1 Cartridge @ 25 ml	
1 Automix-Dispenser, 5 Automix-Tips	
1 Bottle Primer @ 5 ml	
2 Bottles @ 10 ml Varnish, 25 Brushes	
5 Trimmers, 1 Mandrel	REF 909087

Refill

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	REF 909089
1 Bottle @ 5 ml	
Silagum-Comfort Primer	REF 909090
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
1 Silicone Trimming Set	
25 Trimmers, 1 Mandrel	REF 909047

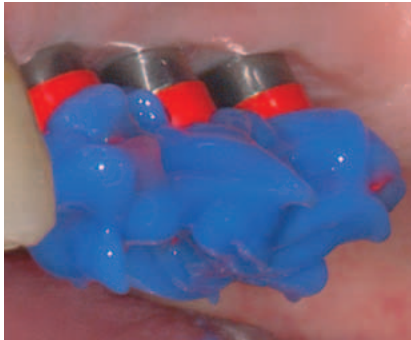
■ LuxaBite and O-Bite

Hardest quality bite registrations.

There are two requirements for obtaining perfectly fitting restorations: a precise impression material and an exact bite registration material. DMG offers two top class materials for bite registrations – the VPS material O-Bite** and the bisacrylate-based LuxaBite*. Both are extraordinarily hard. This hardness ensures no compression or flexing when mounted, a vital point because it guarantees an exact reproduction of the oral situation for the placement of perfectly fitting restorations without requiring corrections. Furthermore, O-Bite and LuxaBite are exceptionally break-resistant, thus allowing for easy excess removal with a scalpel or a burr. Hard facts that make your work easier.

THE DENTAL*
ADVISOR
++++ 1/2

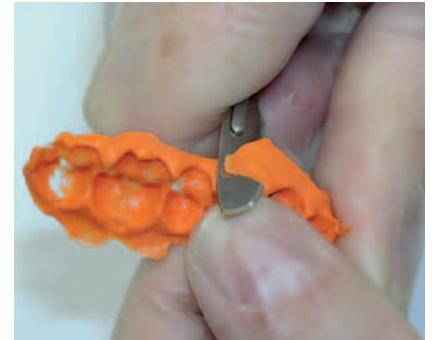
2012*
REALITY**
Four Star Award
★★★★



Fixation of the transfer caps with LuxaBite.



Securely cemented transfer caps with LuxaBite and Honigum-Heavy for the implant impression.



Easy to cut with a scalpel or a silicone cutter.



O-Bite



Bite registration material based on VPS

Indication

Bite registration

Good reasons

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

LuxaBite



Bite registration material based on bis-acrylates

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

- | | |
|----------------------|------------|
| 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 |

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 |

Temporary Care

Fabrication of Temporaries

- Luxatemp Star
- Luxatemp-Plus
- Luxatemp-Solar
- Luxatemp-Inlay
- LuxaFlow Star
- Luxatemp-Glaze & Bond

Temporary Cementation

- TempoCemNE
- TempoCem





Luxatemp® Star

76g

DMG

Star

DMG

Luxatemp Star For a look that's hard to beat.

Even the best can still be made better. The most convincing proof: the new Luxatemp Star. Its predecessors were already very successful and achieved many awards. Several 5 star awards from REALITY, »Top Provisional Material« according to Dental Advisor*, number 1** in the US – that can only be accomplished by optimally combining esthetics and perfect fit.

The new Luxatemp Star can do even more: New **record values for break resistance and flexural strength** provide never-before-seen stability and durability. Another plus: Luxatemp Star reaches its final hardness in no more than 5 minutes. Less waiting time – more comfort.

Besides Luxatemp Star, DMG also offers a series of perfectly coordinated top products for temporary restorations. Perfect when everything fits together like that.

* Dental Advisor: Luxatemp-Fluorescence is Top Provisional Material in 2010 (DA Volume 27, No.1, Jan. – Feb. 2010)

** Market share according to data by Strategic Data Marketing

Good reasons

- Substantially higher flexural strength and fracture toughness
- Improved initial hardness
- Great adaption and fit
- Outstanding esthetics and color stability
- Faster curing
- High biocompatibility
- Suited for long term temporaries



Luxatemp application: Easy and highly esthetic



Initial Situation.



Situation after preparation.



Temporary in place.



The Luxatemp Star provisional is fully glazed and ready for insertion.



The Luxatemp Star temporary with Luxatemp-Glaze & Bond glazing in place.



Final restoration, placed with DMG's premium cement Vitique.

Technical Data

	Luxatemp Star	Luxatemp-Solar
Insertion in the mouth [min]	0:45	1:10
Removal from the mouth [min]	1:30 - 2:30	2:00 - 4:00
End of setting [min]	5:00	
Light cure [s per unit]		20 (curing light), > 60 (light oven)
Temperature rise during polymerization max. [°C]	≈ 41.7	≈ 38
Compressive strength [MPa]	376	300
Flexural strength [MPa]	125	87.8
Diametral tensile strength [MPa]	52	36
Barcol hardness	48	35
Water sorption max. [µg/mm ³]	10	10

■ Luxatemp Star



Bis-acrylic temporary crown and bridge material

Indications

Temporary crowns and bridges, inlays and onlays, veneers and long-term temporaries

Good reasons

- Substantially higher flexural strength and fracture toughness
- Improved initial hardness
- Great adaption and fit
- Outstanding esthetics and color stability
- Faster curing
- For all kinds of restoration in esthetic dentistry
- Customizable to meet highest esthetic needs
- Immediate and semi-permanent restorations
- Fabrication of mock-ups

Specialities

The ideal solution for all temporary restorations:

TempoCemNE (p. 41), LuxaFlow Star (p. 38),
Luxatemp-Glaze & Bond (p. 39) and StatusBlue (p. 18 -19)

Good reasons for the Smartmix application

- Smaller mixing cannulas compared to Automix system
- No additional dispensing device necessary
- Even rarely-used colors can easily be kept in stock
- Ideal for trying the product

Package

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

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

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

Accessories

50 Smartmix-Tips Green	REF 110724
------------------------	------------

Luxatemp-Plus



Bis-acrylic temporary crown and bridge material

Indications

Temporary crowns and bridges, inlays and onlays, veneers and long-term temporaries

Good reasons

- Exceptional fit
- Optimized resistance to abrasion
- High flexural strength
- High biocompatibility
- Direct application into the impression
- No remakes necessary
- Five shades

Intro Kit

1 Cartridge @ 76 g Shade A2	
1 Automix-Dispenser	
15 Automix-Tips	REF 110400

Refill

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

Economy Pack

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

Package

Luxatemp-Handmix

1 Tube @ 106 g base, Shade A2	
1 Tube @ 6 g catalyst	
1 Mixing pad	
1 Spatula	
1 Application syringe	REF 110111
1 Tube @ 6 g catalyst	REF 110162

Luxatemp-Solar



Dual-curing, bis-acrylic temporary crown and bridge material

Indications

Temporary crowns and bridges, inlays and onlays, veneers and long-term temporaries

In addition to the good reasons for Luxatemp-Automix Plus

- Setting time can be user-determined
- Easier removal of the temporary during the extended elastic phase, undercuts do not tear
- 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

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

Luxatemp-Inlay



Light-curing composite for temporary inlay preparations

Indications

Temporary 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

LuxaFlow Star



Flowable light-curing composite

Indications

Add-on resin for temporaries, filling material for small class III, IV and V restorations, minimal invasive restorations, underfillings

Good reasons

- Natural fluorescence
- Easy to polish
- Luer-Lock tips for precise and direct application
- Fluid during and rigid after the application
- Radiopaque

Speciality

Specially tailored to Luxatemp

Assortment pack

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

REF 214000

Refill

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

■ Luxatemp-Glaze & Bond



Light-curing varnish for repairing and sealing of temporary crowns and bridges

Indications

Repairing and sealing of temporary crowns and bridges

Good reasons

- High gloss without polishing
- Excellent bond with repair materials
- Extraordinary abrasion resistance
- Low surface roughness

Speciality

Recommended for Luxatemp

Package

1 Bottle @ 5 ml
25 Brushes

REF 211927

Accessory

50 Brushes

REF 110041

■ LuxaForm



Thermoplastic polymer impression material

Indications

Impressions for temporaries

Good reasons

- No tray necessary
- No mixing
- Long shelf life
- Eliminates oxygen inhibited layer on bis-acrylic temporaries
- Odorless

Package

72 Discs

REF 110415

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. As a member of the Luxatemp family, the cement is optimally tailored to Luxatemp Star and Luxatemp-Plus. A broad spectrum of variants is available for different requirements: with eugenol, with high or low final hardness, or the eugenol-free TempoCemNE. All TempoCem variants are automatically mixed and directly applied. It's as simple as that.

Technical Data

	TempoCem	TempoCem-Soft	TempoCemNE
Working time [min]	1:00	2:30	1:00
Setting time in the mouth [min]	4:00	8:00	4:00 - 5:00
Film thickness [μm]	9	10	11
Compressive strength [MPa]	7 - 10	2 - 4	4 - 8



Direct Application of TempoCemNE into the temporary crown.



Cementing of the Luxatemp temporary with TempoCemNE.



Removing excess material.



TempoCemNE



TempoCem



Eugenol-free temporary luting cement

Indications

Temporary luting of provisional and permanent crowns, bridges, inlays and onlays

Good reasons

- Universal use
- No influence on resin based materials
- Good adhesion yet easy removal of temporary restoration
- Easy and clean withdrawal of excess
- Direct application
- Exceptional fit through thin film thickness
- No postoperative sensitivity
- Thermal pulp protection
- Multiple variations available with or without eugenol, high or low strength

Good reasons for the Smartmix application

- Automatic mixing and direct application without a mixing-gun with the Smartmix-syringe
- Smaller mixing-tips for least material waste

Speciality

The ideal solution for temporary restorations: Luxatemp (see p. 34-39) and TempoCemNE

Temporary luting cement with eugenol

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
- Optimized adhesion and removal
- Easy and clean removal of excess
- Direct application into the temporary

Good reasons for TempoCem-Automix Soft

- Extra working time
- Reduced final hardness for easier removal
- For multi-unit bridges

Speciality

TempoCem-Automix Soft for large prosthetic cases

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
- 1 Tube @ 25 g catalyst REF 110137

Accessories

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

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

TempoCem-Automix Soft

- 1 Cartridge @ 63 g
- 35 Automix-Tips REF 110265

Accessories

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

Indirect Restoration

Core Build-ups and Root Posts

- LuxaCore Z - Dual
- LuxaCore
- LuxaCore Z - Post System
- LuxaPost

Permanent Cementation

- Vitique
- Silane
- PermaCem 2.0
- PermaCem-Dual
- PermaCem



naCem 2.0
ADHESIVE

 DMG

A2

LuxaCore Z

Core build-ups closer to nature than ever before.

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-Dual. Prominent feature of the trend-setting LuxaCore Z-Dual with zirconium dioxide: it cuts like natural dentine, thus allowing for a very easy and smooth preparation. The material's high compressive strength ensures stability under the crown.

True nano technology: The use of nano technologies frequently results in a so-called »particle agglomeration« within the resin matrix – an unwanted concentration of particles. This can hinder the attainment of the targeted advantages such as compressive strength and good cuttability. The DMG-patented nano technology, however, works differently. The particles remain separated and the material can take full advantage of the possibilities nano technology has to offer.

Besides the new LuxaCore Z, DMG will continue to offer the time-tested LuxaCore – successful worldwide and no. 1 in the US for many years!*



User-friendly application of LuxaCore Z-Dual with the new Endotip (especially suited for root canals).



Easy and precise preparation of LuxaCore Z-Dual thanks to dentine-like cuttability.



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

Technical Data

	LuxaCore Z-Dual	LuxaCore
Working time [min]	1:30	1:00
Setting time in the mouth [min]	5:00	4:00
Layer** ≤ 2 mm [s]	20	
Layer** ≤ 4 mm [s]	40	
Compressive strength [MPa]	380	300
Flexural strength [MPa]	150	120
Diam. tensile strength [MPa]	63	60
Water sorption max. [µg/mm ³]	25	25



* Market Share according to data by Strategic Data Marketing
 ** when light-cured



LuxaPost The DMG quality root post.

Perfect partnership: The glass fiber-reinforced pre-silanized composite root post can be optimally cemented with LuxaCore. Its flexural modulus is not only very similar to that of LuxaCore but also to that of the natural dentine, thus minimizing tension peaks in the sensitive post – cement – root system and the risk of root fractures. The adhesive cementation provides a secure bond, and in addition, small grooves in the top of the LuxaPost 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. Great when a challenge is so systematically tackled at the root.



Preparing the post bed.



Post try-in.



Shortening LuxaPost.

Technical Data

	LuxaPost
Flexural modulus [GPa]	25
Flexural strength [GPa]	1.5
Diam. tensile strength [MPa]	840
Compressive strength [MPa]	470



■ 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 user-determined
- 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: in contrast to the tooth substance
 - A3: most esthetic under full ceramic restorations
 - Light opaque: combines the advantages of the two other shades

Package

LuxaCore Z - Dual

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

LuxaCore Z - Dual

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



Good reasons for the Smartmix application

- Automatic mixing and direct application without a mixing-gun with the Smartmix-syringe
- Smaller mixing-tips for minimum material waste

Package

LuxaCore-Automix Dual

1 Cartridge @ 50 g	
35 Automix-Tips	
25 Intraoral-Tips	
10 Endo-Tips Yellow	
Shade A3	REF 212011
Shade Blue	REF 212012
Shade White	REF 212126

LuxaCore-Smartmix Dual

2 Smartmix-syringes @ 9 g	
20 Smartmix-Tips	
10 Intraoral-Tips	
10 Endo-Tips	
Shade A3	REF 212039
Shade Blue	REF 212038
Shade White	REF 212064

■ LuxaCore



Self-curing composite for core build-ups

Indications

Core build-up

Good reasons

- Direct application with the Intraoral-Tips
- Cuts like dentin
- Very high compressive strength

Package

1 Cartridge @ 50 g	
35 Automix-Tips	
35 Intraoral-Tips	
Shade A3	REF 110422
Shade Blue	REF 110421

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 Smartmix-Tips Combi	REF 212042
50 Smartmix-Tips Endo	REF 212041
50 Endo-Tips Yellow	REF 212280

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 dentin

Good reasons

- 3 top products for post-endodontic treatments in one kit
- Contains DVD with application movie
- Handy to use, well arranged

Package

The Post-System contains

LuxaPost

- 5 Posts \varnothing 1.25 mm
- 1 Drill \varnothing 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 pallet

LuxaCore Z - Dual

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

REF 110862

LuxaPost



Radiopaque
and
pre-silanzed

Glass fiber-reinforced pre-silanzed composite post with dentine-like flexural modulus

Indications

Fabrication of a reliable retention of the core build-up in cases of insufficient coronal tooth substance

Good reasons

- Perfect partner for LuxaCore: Monoblock
- Dentine-like flexural modulus: reduced risk of root fracture
- Radiopaque
- Pre-silanzed
- Gentle on the tooth substance thanks to tapered form
- One powerful drill for each size: No pre-drilling required
- Highly esthetic
- Every size of post/drill is available separately as a refill (in case of frequent use)
- The LuxaPost Intro Kit facilitates easy refilling of the small LuxaPost boxes
- Color coded sizes for easy orientation:
 - Black \varnothing 1.25 mm
 - Pink \varnothing 1.375 mm
 - Green \varnothing 1.5 mm

Intro Kit

- 5 Posts \varnothing 1.25 mm Black
- 5 Posts \varnothing 1.375 mm Pink
- 5 Posts \varnothing 1.5 mm Green
- 1 Drill \varnothing 1.25 mm
- 1 Drill \varnothing 1.375 mm
- 1 Drill \varnothing 1.5 mm
- 30 Silicone stops
- 1 Measuring card

REF 110780

Refills

- 5 Posts \varnothing 1.25 mm Black
- 5 Posts \varnothing 1.375 mm Pink
- 5 Posts \varnothing 1.5 mm Green
- 1 Drill \varnothing 1.25 mm
- 1 Drill \varnothing 1.375 mm
- 1 Drill \varnothing 1.5 mm
- 30 Silicone stops

REF 110781

REF 110782

REF 110783

REF 110734

REF 110735

REF 110736

REF 110737

Vitique Ceramics need experts.

High-quality ceramic restorations impose special requirements with regards to the dentist's expertise and the material's adhesive quality. The premium luting composite Vitique meets all the demands like no other material. DMG's own monomer formula prevents running just as much as unnecessary smudging on the ceramics. Thanks to its perfectly adjusted gel phase, excess material can be easily removed in one piece. A large selection of eight shades facilitates finely tuned esthetics. Ingenious idea for a flexible treatment process: the patented Cata-Lock syringe. By simply clipping on the catalyst to the base syringe the light-curing system turns into a dual-curing system. Without having to change the system, Vitique can thus be used for all ceramic applications. No doubt, a true expert.

Good reasons

- Perfect for all forms of ceramics
- Superior processing characteristics
- Flexible treatment procedure
- Highly esthetic results
- Comfortable long working time



Exact match of try-in and cement shades.



Special veneer-tips enable a comfortable and even application.



Easy one piece excess removal thanks to optimal gel viscosity.

THE DENTAL
ADVISOR

++++

2011
REALITY
Four Star Award



Vitique



Premium luting composite

Indications

Definitive cementation of ceramics and tooth-colored restorations

Good reasons

- Usable as light-curing or dual-curing material with the patented Cata-Lock syringe
- Extremely easy excess removal thanks to special monomer formula
- Broad range of shades
- Exact match of try-in and cement shades
- Precise direct application
- Shades remain constant since the catalyst ratio is very low
- Radiopaque

Intro Kit

- 8 Syringes @ 6 g base paste, Shades: A1, A2.5, A4, B1, BL, Transp., White, Pink
- 1 Cata-Lock syringe @ 2.1 g, Catalyst paste high viscosity
- 1 Cata-Lock syringe @ 1.9 g, Catalyst paste low viscosity
- 8 Syringes @ 3.9 g Try-In-paste, Shades: A1, A2.5, A4, B1, Bleach Light, Transparent, White, Pink
- 2 Cata-Lock syringes @ 1.3 g Try-In-paste, Catalyst shade
- 100 Veneer-Tips
- 25 Smartmix-Tips REF 213013

Refill – Try-In Base

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

Refill – Try-In Catalyst

- 1 Cata-Lock syringe @ 1.3 g Try-In-paste, Catalyst shade REF 213056



Specialities

For adhesive cementations in connection with the multi-faceted Vitique applications, the following DMG adhesives are available: Vitique, **light-cure mode**: For luting of veneers we recommend TECO, a light-curing total-etch system, or Contax, a light-curing self-etch system. Vitique **dual-cure mode**: For luting of all kinds of restorations, for example all-ceramic crowns, we recommend LuxaBond, a self- and dual-curing total etch system (see p. 70).

Starter Kit

- 2 Syringes @ 6 g base paste, Shades: Transparent, A2.5
- 1 Cata-Lock syringe @ 1.9 g, Catalyst paste low viscosity
- 20 Veneer-Tips
- 10 Smartmix-Tips REF 213061

Refill – Base

- 1 Syringe @ 6 g, light-curing base paste
- 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

Refill – Catalyst

- 1 Cata-Lock syringe @ 2.1 g, Catalyst paste high viscosity
- 10 Smartmix-Tips REF 213046
- 1 Cata-Lock syringe @ 1.9 g, Catalyst paste low viscosity
- 10 Smartmix-Tips REF 213047

Silane



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

Specialities

Particularly suited for use with Vitique

Package

- 1 Bottle @ 3 ml adhesive silane
- 1 Bottle @ 3 ml activator
- 50 Brushes
- 1 Brush holder REF 213118

Accessories Vitique

- 100 Veneer-Tips REF 213057
- 50 Smartmix-Tips Brown 4:1 REF 213058

■ PermaCem 2.0 Inseparable. Zirconia and PermaCem 2.0

The new generation of self-adhesive luting. Thanks to its new 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. Adhesion is just as reliable to enamel as it is to dentine. 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.

Good reasons

- Outstandingly strong adhesive to zirconia, silicate and oxide ceramics
- Secure adhesion to metals and composites, too
- Time-saving application
- Extraordinary flow under pressure
- Easiest excess removal



■ PermaCem 2.0



The new generation of self-adhesive luting

Applications

Permanent luting of inlays, onlays, crowns, bridges and root posts

Features

Strong natural self-adhesion to zirconia

Good reasons

- Outstandingly strong adhesive to zirconia, silicate and oxide ceramics
- Secure adhesion to metals and composites, too
- Time-saving application
- Extraordinary flow under pressure
- Easy excess removal

Package

1 Smartmix-Syringe @ 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

Accessories

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

PermaCem Reliable. Always.

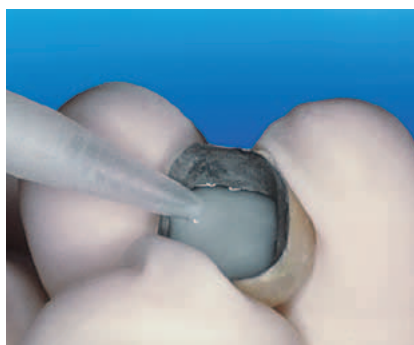
The universal luting cement for all prosthetic restorations is always suitable, whether with metal, composites or all-ceramic restorations. Whether adhesive or frictive, self-curing or dual-curing!

The DMG-patented technology combines the advantages of glass ionomer cements (long-term fluoride release, biocompatibility) and composites (insolubility, excellent margin fit) in this one material. PermaCem is very safe and easy to use.

In the convenient Automix or Smartmix system the material is automatically dosed, mixed, and can be directly applied. It can be that easy to be safe.

Technical Data

	PermaCem-Dual	PermaCem
Working time [min]	2:00	2:00
Clean-up after placement [min]	1:30 - 2:00	1:30 - 2:00
Light curing [s] (immediate fixation)	20	
Setting time in the mouth [min]	5:00	5:00
Compressive strength [MPa]	> 200	> 200
Film thickness [μm]	< 15	< 15



Easy and direct application.



Easy clean-up.



■ PermaCem-Dual



Universal dual-curing luting cement

Indications

Final cementation of crowns, bridges, inlays and onlays

Good reasons

- Reduced setting time due to light-cure
- Universal use
- Combines the advantages of both glass ionomer and composite
- Continuous fluoride release
- Insoluble in a wet environment
- Low film thickness for exceptional fit
- Radiopaque
- Also suitable for all-ceramic works
- High mechanical strength
- Easy removal of excess
- Automatic mixing and direct application

Good reasons for the Smartmix application

- Automatic mixing and direct application with the Smartmix-Syringe – without a mixing-gun
- Smaller mixing-tips for minimum material waste

Specialities

For adhesive Bonding of PermaCem-Dual we recommend LuxaBond (Total-Etch System) or Contax+Activator (Self-Etch System). See p. 70



■ PermaCem



Universal luting cement

Indications

Final cementation of crowns, bridges, inlays and onlays

Good reasons

- Self-curing
- Universal use
- Also suitable for all-ceramic works
- Combines the advantages of glass ionomer and composite
- Continuous fluoride release
- Insoluble in a wet environment
- Low film thickness for perfect fit
- Radiopaque

Specialities

PermaCem-Automix is also available in the Smartmix-Syringe.

For adhesive Bonding of PermaCem we recommend LuxaBond (Total-Etch System) or Contax+Activator (Self-Etch System). See p. 70

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

Accessories

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

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

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

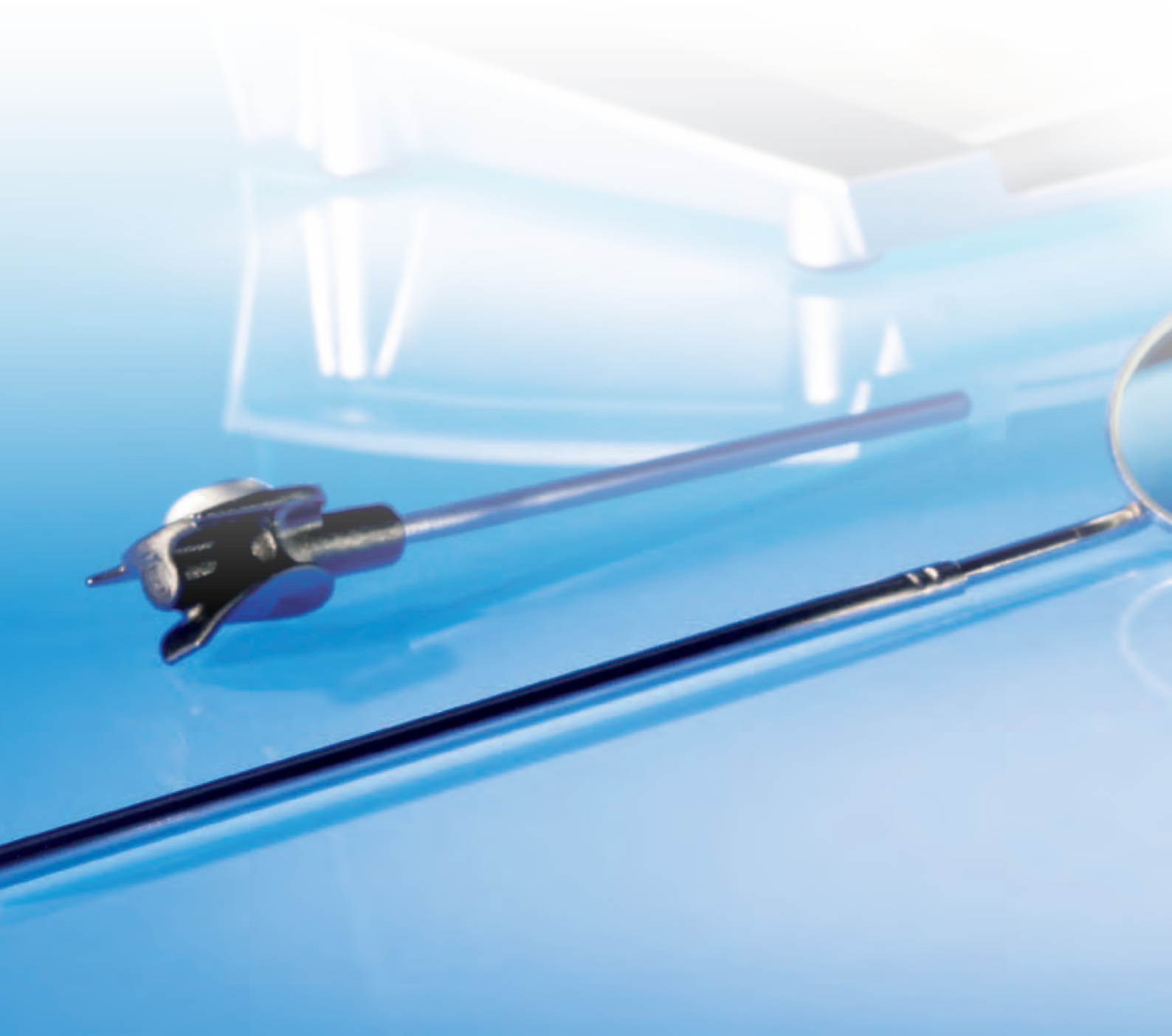
Direct Restoration

Restorative Materials

- EcuSphere-Shape
- EcuSphere-Carat
- EcuSphere-Shine
- EcuSphere-Flow
- Alphaplast
- Silber 70-Solo

Underfilling Material

- Ionosit-Baseliner



Bonding Agent

- TECO
- LuxaBond
- Contax

Laboratory Products

- Silatec
- Dry Coat
- Supertec



■ EcuSphere

The system-based high performance composite for all applications.

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 particularly user-friendly, universal composite for the anterior and posterior region. It is easy to model and is a reliable base for high quality restorations.

EcuSphere-Carat, a highly viscous, packable composite is well-suited for permanent restorations especially in the posterior region.

EcuSphere-Shine has outstanding polishing properties and is ideal for reproducing the natural enamel in the anterior region.

EcuSphere-Flow is the right material for indications that require a flowable composite, and is optimally tailored to the other EcuSphere shades.

Good reasons

- High quality filling system for all cavity classes
- Great material selection
- Optimal color selection according to VITA
- Extraordinary esthetics
- Especially user-friendly handling
- Easy to form



Clinical results with EcuSphere



Clinical result with EcuSphere-Carat class I



Clinical result with EcuSphere-Carat class II

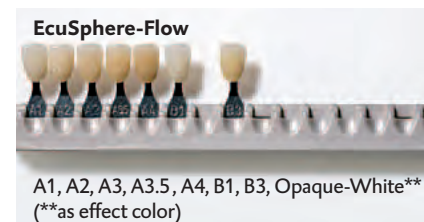
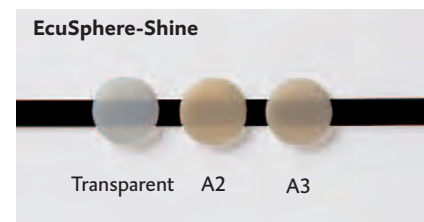
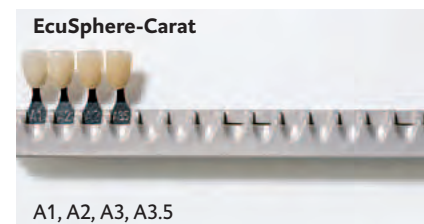
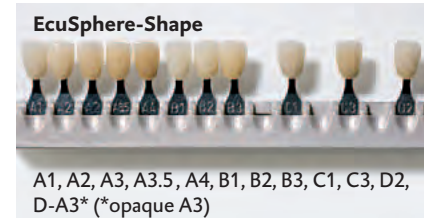


Clinical result with EcuSphere-Shape and EcuSphere-Shine class IV



Clinical result with EcuSphere-Flow class V

The EcuSphere color range



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 [µg/mm ³]	15	15	22	25
Diametral tensile strength [MPa]	53	51	39	40
Radiopacity [% Al]	200	200	50	150
Time for light-cure [s]	20	20*	20	20
Thickness of layers [mm]	2	2	2	2

* for opaque D-shades 40 seconds

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 C3	REF 220332
Shade D2	REF 220333
Shade D-A3	REF 220292

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
1 LuxaTray	REF 213014

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
1 LuxaTray	REF 213014

EcuSphere-Flow



Light-curing, flowable universal composite

Indications

Small restorations of cavity classes I, III, IV, V; deciduous teeth; minimally invasive fillings; underfillings; extended fissure sealing; blocking out of undercuts; repair of composite restorations

Good reasons

- Fluid during and stable after the 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

Starter Kit

1 Syringe @ 3 g EcuSphere-Carat, Shade A3.5	
1 Syringe @ 3 g EcuSphere-Shape, Shade D-A3	
1 Syringe @ 2.5 g EcuSphere-Shine, Shade Transparent	
1 Syringe @ 1.5 g EcuSphere-Flow, Shade A4	REF 220324

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
Shade A4	REF 213123
Shade B1	REF 213124
Shade B3	REF 213125
Shade Opaque-White	REF 213126

Accessories

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

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.

Technical Data

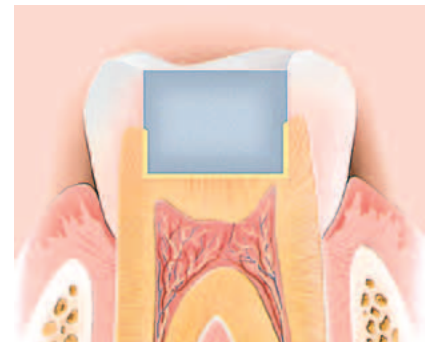
	Ionosit-Baseliner
Working time [s]	90
Light-cure [s]	20
Thickness of layer [mm]	1
Radiopacity [% Al]	160
Compressive strength [MPa]	130
Flexural strength [MPa]	> 60
Flexural modulus [MPa]	6,500
Diam. tensile strength [MPa]	34



Tooth with class II-cavity (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.



■ Ionosit-Baseliner



Light-curing base liner material

Indications

Underfilling material for composite, amalgam and ceramic restorations and for blocking out undercuts

Good reasons

- Gap-free restorations
- Unique compensation of composite polymerisation shrinkage through controlled expansion
- 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 Saferinge for an easier and faster application

Package

3 Saferinge @ 0.33 g	REF 220091
2 Syringes @ 1.5 g	REF 213002

Economy Pack

20 Saferinge @ 0.33 g	REF 209538
6 Syringes @ 1.5 g	REF 213001

Accessories

60 Luer-Lock-Tips, Black	REF 211477
--------------------------	------------

■ Alphaplast



Classic self-curing quartz composite

Indications

Class III, IV and V restorations

Good reasons

- Proven for decades
- High mechanical strength

Package

1 Jar @ 12 g base paste
 1 Jar @ 14 g catalyst paste
 Shade A2
 2 Mixing pads
 70 Spatulas REF 109506

Accessories

1 Mixing pad, 62 x 62 mm REF 212988
 70 Spatulas REF 110619

■ Silber 70-Solo



Non-gamma-2 amalgam

Indications

For all load bearing restorations

Good reasons

- DMG patented technology
- Non-gamma-2 amalgam in self-activating pre-dosed pills

Package

50 Applications, 1 mixing capsule
 Size 1, 380 mg REF 509581
 Size 2, 560 mg REF 509582

■ Ecusit-Composite Repair



Light-curing bonding agent for composite repair

Indications

Repair of discolored composites, repair of damaged/abraded composites

Good reasons

- Easy to use
- Quick and reliable intraoral application
- Saves time and material
- Enables shade corrections of bleached and discolored teeth
- Odorless
- Methyl-methacrylate-free

Package

1 Bottle @ 5 ml Bond
 10 Brushes
 1 Mixing pallet REF 210873

Restorative materials When to use it.

	Alphalast	Ecusphere-Shape	Ecusphere-Carat	Ecusphere-Shine	Ionosit-Baseliner	LuxaCore	LuxaCore Z - Dual	Ecusphere-Flow	Silber 70-Solo
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	Quartz composite	Hybrid composite	Hybrid composite	Microfilled composite	Compomere	Composite	Composite	Composite	Amalgam
Number of Shades	1	12	4	3	1	2	3	8	
Shades	A2	A1, A2, A3, A3.5, A4, B1, B2, B3, C1, C3, D2, D-A3	A1, A2, A3, A3.5	A2, A3, Transparent	B2	A3, Blue	Light-opaque, A3, Blue	A1, A2, A3, A3.5, A4, B1, B3, Opaque-White	
Curing time		20/40 s	20 s	20 s	20 s	4 min	40 s	40 s	
Light-cure		■	■	■	■		■	■	
Self-cure	■					■	■		■
Radiopacity		■	■		■	■	■	■	■
Application	12 g Base, 14 g Catalyst	3 g Syringe 0.3 g Safetip	3 g Syringe 0.3 g Safetip	2.5 g Syringe 0.3 g Safetip	0.33 g Saferinge 1.5 g Luer-Lock-syringe	50 g Automix-cartridge	9 g Smartmix-syringe 48 g Automix-cartridge	1.5 g Luer-Lock-syringe	Self-activating capsules

TECO One-push bonding.

TECO is the innovative Total-Etch bonding system with excellent bonding properties. Unique: the DMG-patented 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.

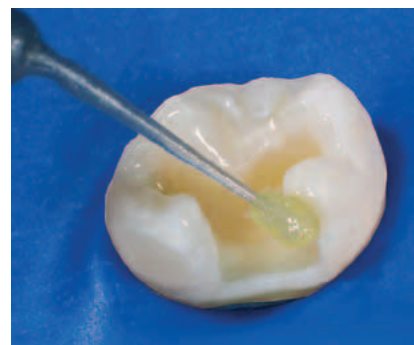
Additional assurance is provided by the exceptionally user-friendly Total-Etch technique which allows working on moist areas after etching, thus preventing over-drying of the dentine. With TECO you have bonding covered at all times.



Start etching process on enamel and extend to dentine.



Simply press the silver chamber. The material can now be withdrawn.



Work in TECO for 20 s, then light-cure for 10 s.



TECO



Light-curing bonding system in the patented »SilvR dose« for all commercially available light-curing materials

Indications

Adhesive cementation of light-curing restoratives on enamel and dentine

Good reasons

- Innovative single dose application form »SilvR dose«
- Easy, one-hand »push button« application
- Hygienic handling
- Secure application with constant quality
- Convenient distribution within the dental practice
- Superior bonding properties (38 MPa)*
- Exhibits antibacterial activities**
- Only one component to apply after etching reduces the risk of misuse
- Especially user-friendly Total-Etch technique – allows working on moist dentine
- Optimally configured etching gel for precise applications
- Suitable for all commercially available, light-curing composites
- Etching gel is included in the system

Speciality

TECO is optimized for use with DMG Products

- EcuSphere (light-curing composite-system)
- Vitique, light-cure mode (premium luting composite)
- Ionosit-Baseliner (Light-curing base lining material)

See p. 60.

Package

- 60 SilvR dose @ 0.12 ml Bond
 1 Syringe @ 2 ml Etching Gel-Medium Viscosity
 3 Luer-Lock-Tips White REF 213320



Light-curing bonding system in a bottle for all commercially available light-curing materials

Indications

Adhesive cementation of light-curing restoratives on enamel and dentine

Good reasons

- Superior bonding properties (38 MPa)*
- Suitable for all commercially available, light-curing restoratives
- Only one component to apply after etching reduces the risk of misuse
- User-friendly Total-Etch technique: ideal penetration of the collagen network
- Optimally configured etching gel for precise applications

Specialities

A phosphoric acid gel with optimal viscosity is included in both the bottle version and the convenient single dose application, the »SilvR dose«. The etching gel is also separately available: Etching Gel-Medium Viscosity (see p. 67)

Package

- 1 Bottle @ 5 ml Bond
 25 Single-use brushes White
 1 Mixing pad
 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

■ 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 well-suited for direct and indirect techniques such as challenging cementations 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. Specially shaped endo brushes allow for a very user-friendly application in the root canal.

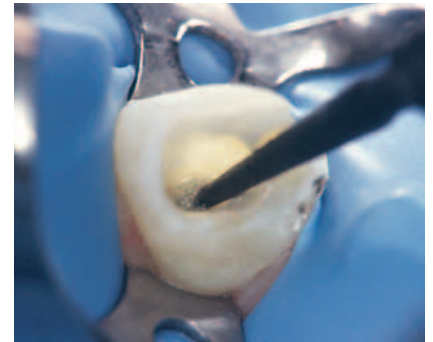
As the perfect partner for LuxaCore Z and LuxaPost, LuxaBond-Total Etch completes DMG's product palette for state-of-the-art post-endodontic restorations and is, of course, compatible with all other commercially available self-curing and dual-curing materials as well. The ultimate in flexibility and versatility.



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



Pre-Bond application with a specially formed Endobrush.



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



■ LuxaBond-Total Etch



Dual-curing adhesive system especially designed for all direct and indirect techniques

Indication

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, veneers, inlays, onlays, crowns, and bridges

Good reasons

- Self-curing:
Hardens even without light
- No premature polymerization of bonding »pools«
- Compatible with self-curing and dual-curing materials:
Suitable for all applications with LuxaCore
- Pre-Bond facilitates quicker curing of the bond mix in the dentine for superior retention
- Easy root canal application with special Endobrushes
- Does not contain acetone



Speciality

LuxaBond is optimized for use with DMG products

- LuxaCore Z - Dual (dual-curing composite for core build ups and cementation of posts)
- PermaCem, PermaCem-Dual (self- and dual cure universal luting cement)
- Vitique, dual-cure mode (dual-curing Premium luting composite)

See p. 70

■ Etching Gel



Universal etching gel

Indication

Etching of enamel and dentine

Good reasons

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

Package

- 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 pad

REF 212384

Accessories

- 25 Endobrushes Red
- 25 Endobrushes Black
- 50 Luer-Lock-Tips White

REF 212385
REF 212386
REF 109942

Package

- 2 Syringes @ 2 ml
 - 6 Luer-Lock-Tips White
- REF 212873

■ Contax Better safe than sorry.

Contax protects against postoperative sensitivities and ensures 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.

Bonding of Light-curing composites

Contax-Primer	Contax-Activator	Contax-Bond	Light-cure
Work in for 20 seconds	Not needed	Work in for 20 seconds	Essential

Bonding of self- and Dual-curing composites

Contax-Primer	Contax-Activator	Contax-Bond	Light-cure
Work in for 20 seconds	Mix Contax-Activator and Contax-Bond for 5 seconds	Work in the mixture of Bond and Activator for 20 seconds	Essential



Work in Contax-Primer for 20 s.



Work in Contax-Bond for 20 s.



Light-cure Contax for 20 s.

THE DENTAL
ADVISOR
++++ 1/2

2012
REALITY
Four Star Award
★★★★



■ Contax



Self-etching and self-conditioning adhesive system

Indication

Light-curing adhesive system for light-curing restorative materials (composites, compomers) to be used on enamel and dentine

Good reasons

- No additional etching with phosphoric acid
- Priming and bonding are effected in only two steps
- Long-lasting restorations because of separate priming step
- Reliable depth of demineralisation
- Water-based primer
- No postoperative sensitivities

Speciality

Contax is optimized for the use with the DMG Products

- EcuSphere (filling composite-system)
 - Vitique, Light-cure mode (premium luting composite)
- See p. 48 ff.



Contax with activator to mix with Contax-Bond

Indication

By adding the Contax-Activator to the Contax-Bond, the adhesive system can be used with all self- and dual-curing restorative materials

Good reasons

Perfectly suited for use with

- LuxaCore Z (self- and dual-curing composite for core build ups and cementation of posts)
- PermaCem, PermaCem-Dual (self- and dual-curing universal luting cement)
- Vitique, Dual-cure mode (premium luting composite)

Speciality

- Contax must always be light-cured, even when used with the activator

Intro Kit

1 Bottle @ 5 ml Contax-Primer	
1 Bottle @ 5 ml Contax-Bond	
25 Single-use brushes White	
25 Single-use brushes Red	
1 Mixing pallet	REF 220263

Refill

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

Accessories

25 Single-use brushes White	REF 109320
-----------------------------	------------

Intro Kit + 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 pallet	REF220282

Refill

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
-----------------------------	------------

■ Adhesives When to use it.

	TECO	LuxaBond	Contax	Contax + Activator
Technique	Total-Etch	Total-Etch	Self-Etch	Self-Etch
Usage	Bonding of light-curing restorative materials	Bonding of self- and dual-curing restorative materials	Bonding of light-curing restorative materials	Bonding of self- and dual-curing restorative materials
Indication		Core build-up		Core build-up
		Post cementation		
	Direct Composite fillings	Direct Composite fillings	Direct Composite fillings	Direct Composite fillings
	Luting of veneers	Luting of restorations	Luting of restorations	Luting of restorations
Curing mode	Light-cure	Dual-cure	Light-cure	Light-cure
Usage in combination with DMG products		LuxaCore LuxaCore Z - Dual		LuxaCore LuxaCore Z - Dual
	EcuSphere EcuSphere-Flow Ionosit-Baselinier Vitique (Light-cure mode)	Vitique (Dual-cure mode) PermaCem PermaCem-Dual	EcuSphere EcuSphere-Flow Ionosit-Baselinier Vitique (Light-cure mode)	Vitique (Dual-cure mode) PermaCem PermaCem-Dual



TECO, Total-Etch, Light-curing



LuxaBond, Total-Etch, Dual-curing



Contax, Self-Etch, Light-curing



Contax + Activator, Self-Etch, Light-curing

■ Silatec



Pourable duplicating material based on VPS

Indications

Fabrication of plaster or investment material duplicates

Good reasons

- Exceptional precision
- Perfect flow properties
- High elasticity and great tear resistance
- Easy removal of cast
- Stable in storage
- Dimensional stability
- Unlimited uses

Package

2 Bottles @ 800 ml REF 909389

Economy Pack

2 Bottles @ 4000 ml REF 909390

Bulk Pack

2 Bottles @ 8000 ml REF 909391

■ Dry Coat



Light-curing varnish

Indications

Coating of temporaries, customized impression trays and orthodontic plates

Good reasons

- High gloss, lasting, hard surface
- Eliminates polishing
- Abrasion resistant
- Highly resistant to denture cleaning solvents
- Easy to use

Package

1 Bottle @ 30 ml REF 829197

■ Supertec



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 REF 210410
50 Trays lower jaw rose REF 210411

Automix-Dispenser Automix-Tips

Dispenser for 25 ml cartridges in mixing ratio 1:1

Type 25 1:1 REF 110253

	suitable for LuxaCore Z - Dual LuxaCore-Automix LuxaCore-Automix Dual Honigum-Light/-Light Fast Silagum-Comfort	Automix-Tips Yellow 1:1 50 × REF 909200 	Intraoral-Tips Yellow 50 × REF 909201 not suitable for Silagum-Automix Comfort 
	suitable for LuxaCore Z - Dual LuxaCore-Automix Dual		Endo-Tips Yellow 50 × REF 212280 
	suitable for TempoCem-Automix TempoCem-Automix Soft TempoCemNE-Automix PermaCem-Automix PermaCem-Automix Dual	Automix-Tips Blue 1:1 50 × REF 110266 100 × REF 110267 	





Dispenser for 50 ml cartridges in mixing ratio 1:1

Type 50 1:1 REF 909507









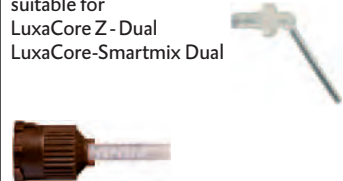







	suitable for Honigum-Light/-Light Fast Silagum-Light/-Light Fast Silagum-Mono Silagum-Medium/-Medium Fast	Automix-Tips Yellow 1:1 50 × REF 909200 	Intraoral-Tips Yellow 50 × REF 909201 not suitable for Silagum-Automix Comfort 
	suitable for Honigum-Mono Honigum-Heavy/-Heavy Fast	Automix-Tips Green 1:1 50 × REF 909490 	Intraoral-Tips Transparent 50 × REF 909400 
	suitable for O-Bite 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

Type 50 10:1 REF 110411

	suitable for Luxatemp-Automix Plus Luxatemp-Automix 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 	

Application Tips for Syringes and Smartmix

Smartmix-Tips		Smartmix-Tips Green		
REF 213058 (50 pieces)		REF 110724 (50 pieces)		
	suitable for Vitique			suitable for Luxatemp Star
Smartmix-Tips Short				
REF 212040 (50 pieces)				
	suitable for TempoCem TempoCemNE-Smartmix PermaCem-Smartmix PermaCem-Smartmix Dual			
Smartmix-Tips Combi		Smartmix-Tips Endo		Smartmix-Tips Endo M
REF 212042 (50 pieces each)		REF 212041 (50 pieces each)		REF 213373 (20 pieces each)
	suitable for LuxaCore Z - Dual LuxaCore-Smartmix Dual			
Smartmix-Tips				
REF 213057 (100 pieces)				
	suitable for Vitique			
Luer-Lock-Tips Black				
REF 211477 (60 pieces)				
	suitable for LuxaFlow Star Ionosit-Baselinier EcuSphere-Flow			

■ 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

Suitable for the following DMG products:

EcuSphere-Carat
EcuSphere-Shape
EcuSphere-Shine

Package

1 Safetip-Dispenser

REF 213122

■ LuxaTray



Light-shielding tray

Indications

Light protection accessory for mixing and temporary storage of light-sensitive and contamination-sensitive materials

Good reasons

- Impervious to light
- Prevents premature polymerization
- Disinfectable
- Reusable
- Convenient chair-side use
- Exchangeable inserts
- 5 large numbered wells
- Anti-skid feet

Specialities

Ideal for light-sensitive composites and solutions. For temporary storage of ceramic masses and for veneers before cementation

Package

1 LuxaTray

10 LuxaTray-inserts

REF 213014

REF 213059

Index

Alphaplast	62	LuxaBite	31	PermaCem-Dual	53
Contax	69	LuxaBond-Total Etch	67	Safetip-Dispenser	74
Dry Coat	71	LuxaCore	46	Silagum-Comfort	29
Ecusit-Composite Repair	62	LuxaCore Z - Dual	46	Silagum-Light	28
EcuSphere-Carat	58	LuxaCore Z - Post System	47	Silagum-Medium	28
EcuSphere-Flow	59	LuxaFlow Star	38	Silagum-Mono	28
EcuSphere-Shape	58	LuxaForm	39	Silagum-Putty	29
EcuSphere-Shine	59	LuxaPost	47	Silane	49
Etching Gel	67	Luxatemp-Glaze & Bond	39	Silatec	71
Flairesse gel/foam	11	Luxatemp-Inlay	38	Silber 70-Solo	62
Flairesse varnish	11	Luxatemp-Plus	37	StatusBlue	19
Flairesse paste	11	Luxatemp-Solar	37	Supertec	71
Honigum-Heavy	23	Luxatemp Star	36	TECO	65
Honigum-Light	22	LuxaTray	74	TempoCem	41
Honigum-Mono	22	MixStar-eMotion	24	TempoCemNE	41
Honigum-Putty	23	O-Bite	31	Tray-Adhesive	19
Icon	15	PermaCem	53	Vitique	49
Ionosit-Baseliner	61	PermaCem 2.0	51		

DMG application symbols



MixStar



Jar



Syringe I



Vitique I



SilvR dose



Safetip



Automix



Tube



Syringe II



Vitique II



Base plates



Safetip-Dispenser



Smartmix



Bottle



Saferinge



LuxaPost



Discs



Capsule

DMG
Chemisch-Pharmazeutische Fabrik GmbH
Elbgaustraße 248 22547 Hamburg Germany
Fon: +49. (0) 40. 84 006-0
Fax: +49. (0) 40. 84 006-222
info@dmg-dental.com
www.dmg-dental.com