




 **Honigum Pro**  LuxaBite

 O-Bite  **Luxatemp Star**

 **Silagum**  LuxaFlow Star  LuxaForm  StatusBlue

 TempoCem  Vitique  PermaCem  **LuxaCore**

 Ionosit-Baseliner  LuxaBond  Contax  **TECO**

 Silber 70-Solo  **Icon**  Alpha-Fil  Alphaplast

 **LuxaPost**  EcuSphere

 **DMG**
Dental Milestones Guaranteed

Dental Materials 2011/2012



**Nothing is more powerful
than an idea
whose time has come!**

Victor Hugo



Did you notice?

With this catalog DMG for the first time presents its new look. We revised our logo, decided for a brighter, fresher blue and chose a new slogan too. A claim that expresses what we stand for even more clearly than before.

Dental Milestones Guaranteed

New ideas that change and further the progress in dentistry. This was and has been our aspiration and is what we want to emphasize in our claim. The new range of products in this DMG catalog shows that this is not just a hollow promise. First and foremost: Icon – the first and only caries infiltration product worldwide. Icon enables an early arrest of incipient caries without the need to drill. A true innovation which has roused a great deal of interest internationally already. And Luxatemp Star and Honigum Pro will most likely be met with widespread approval among dentists as well. The future-oriented further development of our success products proves that even the best can still be made better.

Setting further standards cooperatively

In order to remain successful one has to continuously focus on self-renewal and further development. This applies to both the product portfolio and the appearance. You will be seeing more of DMG's new fresh look from now on in advertisements, brochures, at trade shows and of course on our website www.dmg-dental.com. Come take a look!

But DMG's corporate identity is much more than a logo and colors and even more than convincing products. It is about our goals, values and our self-image. Our mission and focus at DMG is to develop new materials and products with true innovative spirit, passion and expertise. To promote further developments that benefit dentists. With that we intend to continuously set milestones in cooperation with you.

Something we look forward to.

Kind regards,

Dr. Wolfgang Mühlbauer
President DMG

A handwritten signature in blue ink, appearing to read 'Wolfgang Mühlbauer', written over a light blue horizontal line.

Susanne Stegen
Executive Vice President DMG

A handwritten signature in blue ink, appearing to read 'Susanne Stegen', written over a light blue horizontal line.

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A close-up, artistic photograph of dental equipment. A green and black dental handpiece is visible, with a green label that partially reads 'Infiltrant'. Below it, a clear plastic syringe with a white plunger is shown. The background is a soft, out-of-focus blue and white light.

Caries Infiltration

■ Icon



■ Icon

The innovative caries treatment: Drilling? No thanks!

The revolutionary solution is here: Icon – the first caries infiltration product worldwide. Icon offers you a totally new therapy option for incipient caries, both in difficult to access proximal regions as well as on smooth surfaces. Incipient caries can be treated early with Icon without sacrificing healthy hard tissue – in only one sitting, simple and without drilling or anesthesia.

The intelligent principle: The pores of enamel caries are sealed with a extremely fluid resin, the so-called »infiltrant«.

Driven by capillary forces it penetrates into the enamel caries and blocks the diffusion paths for cariogenic acids. Caries can be arrested early– without drilling.

Icon can also be used to successfully treat cariogenic white spots.

Icon closes the gap between preventive therapies and corrective restorations.

Good reasons

- 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

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

Caries Infiltrant – proximal.

This innovative product was specifically developed to gently counteract early proximal caries. The patented proximal tip provides quick and easy access to the affected areas – without drilling. The teeth to be treated are separated with the enclosed wedges.

Subsequently, the area is etched, dried, and infiltrated with the special proximal tip. Driven by capillary forces, the highly fluid infiltrant is absorbed by the pore system of the caries lesion, fills it and stabilizes it. Further penetration of cariogenic acids is prevented and the caries progression can be stopped.

Good reasons

- 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

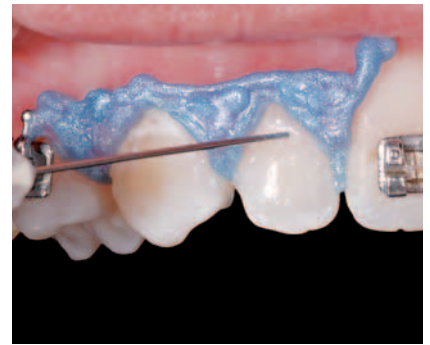
Icon – smooth surface application



Initial situation.



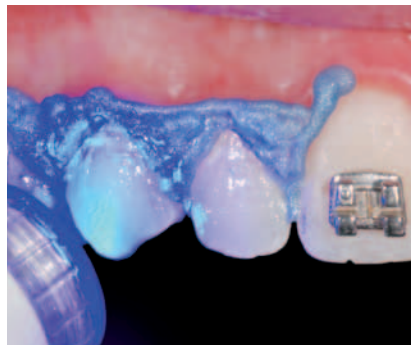
Etching with Icon-Etch.



Drying with Icon-Dry.



Applying Icon-Infiltrant.



Light-curing.



Treatment result after polishing.

Icon

Caries Infiltrant – smooth surface.

In addition to promoting caries arrest, Icon is also capable of masking cariogenic white spots on smooth surfaces.

Air and water entrapments caused by the caries process have a lower refraction index than healthy hard tissue. This leads to unesthetic discolorations or so-called white spots.

The infiltrant has a similar refraction index as healthy enamel and can therefore equalize the difference in light refraction and approximate the appearance of the infiltrated lesion to that of the surrounding healthy enamel. A rather pleasant esthetic side effect.

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



Caries Infiltrant – proximal

Indication Icon, proximal

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

Good reasons

- 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



Caries Infiltrant – smooth surface

Indication Icon, smooth surface

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 @ 0.30 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

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 Vestibular-Tips
 - 1 Luer-Lock-Tip

REF 220343

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 Vestibular-Tips
 - 1 Luer-Lock-Tip

REF 220238





Impression Material

-  **Honigum**
-  **MixStar-eMotion**
-  **Silagum**
-  **StatusBlue**
-  **LuxaBite**
-  **O-Bite**



■ Honigum Pro

Stays where you need it – Flowable when you want it.

Stable or flowable. Honigum Pro scores highest in both disciplines. Because the precision VPS material has a special patented characteristic: the rheologically active matrix.

This allows for unequalled flowability under shear stress – AND extraordinary stability when no pressure is applied. That means: Honigum Pro is flowable when it needs to be. And only then.

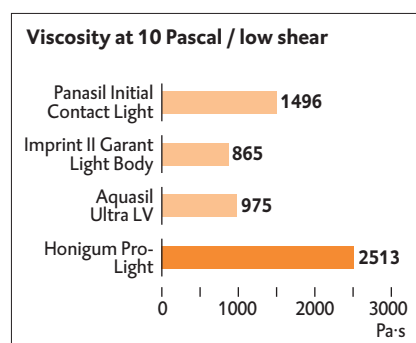
Thus, the smallest spaces such as the area below the preparation line can be reached reliably even in a wet environment. And finest details can be reproduced.

Honigum Pro is available in a broad range of variants and application forms to provide a precise solution for all indications and preferred techniques.

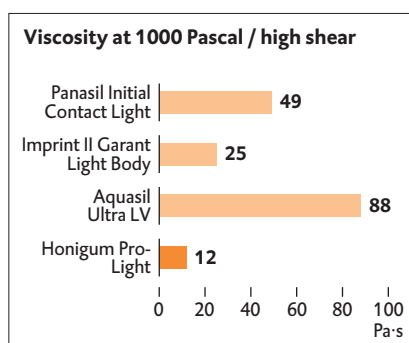
Good reasons

- Extraordinary stability
- Unparalleled flow characteristics
- Real Snap-Set:
 - Constant viscosity during working time
 - Long working-time with short intraoral setting-time
- Well hydrophilicity & tear strength
- Exceptional detail reproduction
- Neutral taste and honey scent

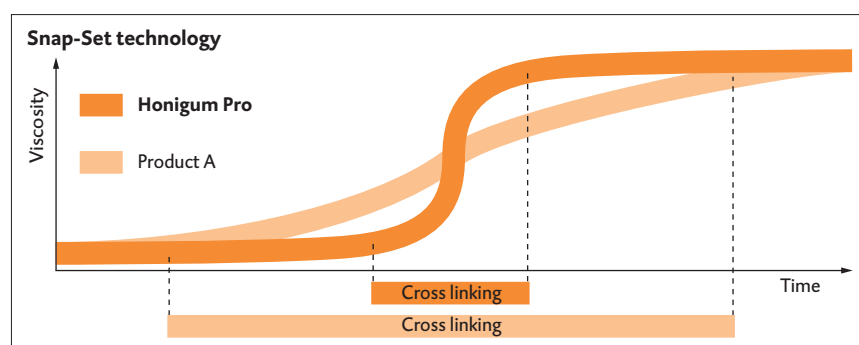
A quantum leap where rheological behavior is concerned



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



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



Honigum Pro allows relaxed working through a long working time with constant viscosity and a short setting time in the mouth.

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 Pro-Light.

Under low shear stress, Honigum Pro-Light 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.

Owing to the DMG-developed Snap-Set technology, the new Honigum Pro offers a previously unmatched combination of comfortable working time and short setting time in mouth. The generous working time reduces the mixing stress to a minimum. Deformations due to already set material can be prevented, and micro movements are minimized thanks to the quicker wet out rate (see »Snap Set« in the graphic). For patient and dentist, the shortened setting time in the mouth translates into significantly more comfort and ease of treatment respectively.

Source: DMG interne Messungen, Data on file.

Technical Data

Honigum Pro	Light		Mono				Heavy				Putty			
	Fast		Fast				Fast				Soft Fast Rigid Fast			
Mixing time [min]											0:30	0:30	0:30	
Intraoral working time	1:15	0:45	1:15	0:45	1:15	0:45								
Working time [min]	3:00	1:45	3:00	1:30	3:00	1:45	3:00	1:30	3:00	1:45	1:45	3:15	1:45	1:45
Setting time in the mouth [min]	3:30	2:00	3:15	2:00	3:15	2:00	3:15	2:00	3:15	2:00	3:15	3:15	1:45	1:45
Dimensional change 24 h [%]	≤ 0,35	≤ 0,35	≤ 0,35	≤ 0,35	≤ 0,35	≤ 0,35	≤ 0,4	≤ 0,4	≤ 0,4	≤ 0,4	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5
Compression set [%]	≤ 0,25	≤ 0,25	≤ 0,35	≤ 0,35	≤ 0,35	≤ 0,35	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,5	≤ 0,6	≤ 0,5	≤ 0,5	≤ 0,5
Shore-A-hardness	≈ 48	≈ 48	≈ 56	≈ 56	≈ 56	≈ 56	≈ 68	≈ 68	≈ 68	≈ 68	≈ 66	≈ 62	≈ 62	≈ 70
Strain in compression [%]	≈ 4,0	≈ 4,0	≈ 2,8	≈ 2,8	≈ 2,8	≈ 2,8	≈ 1,8	≈ 1,8	≈ 2,0	≈ 2,0	≈ 2,0	≈ 2,2	≈ 2,2	≈ 1,7
Color														

Honigum Pro-Light



VPS-based correction impression material

Indications

Crown and bridge impressions, inlay and onlay impressions

Good reasons

- Intelligent flow properties
- Extraordinary stability
- Good hydrophilicity
- Exceptional detail reproduction
- Optimal color contrast
- Unparalleled toughness
- Very high tear strength

Package

4 Cartridges @ 25 ml	
10 Automix-Tips	
10 Intraoral-Tips	
Honigum Pro-Light	REF 929539
Honigum Pro-Light Fast	REF 929639

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

Economy Pack

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

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

Accessories

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

Honigum Pro-Mono



VPS-based monophasic impression material

Indications

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

Good reasons

- One-step precision
- Trouble-free and safe removal
- Good hydrophilicity
- Precise reproduction of the preparation line
- Very high tear strength

Package

2 Cartridges @ 50 ml	
4 Automix-Tips	
4 Intraoral-Tips	
Honigum Pro-Mono	REF 929830
Honigum Pro-Mono Fast	REF 929976

1 Cartridge @ 380 ml	
10 MixStar-Tips	
Honigum Pro-Mono	REF 929568
Honigum Pro-Mono Fast	REF 929978

Economy Pack

8 Cartridges @ 50 ml	
16 Automix-Tips	
16 Intraoral-Tips	
Honigum Pro-Mono	REF 929834
Honigum Pro-Mono Fast	REF 929977

8 Cartridges @ 50 ml	
Honigum Pro-Mono	REF 929911

5 Cartridges @ 380 ml	
50 MixStar-Tips	
Honigum Pro-Mono	REF 929569
Honigum Pro-Mono Fast	REF 929979

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 Pro-Heavy



VPS-based pre-impression material

Indications

Crown and bridge impressions, inlay and onlay impressions, all types of pickup impressions, e.g. for implants

Good reasons

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

Package

2 Cartridges @ 50 ml	
4 Automix-Tips	
Honigum Pro-Heavy	REF 929766
Honigum Pro-Heavy Fast	REF 929838

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

Economy Pack

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

8 Cartridges @ 50 ml	
Honigum Pro-Heavy	REF 929912

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

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 Pro-Putty



VPS-based precision impression material with putty consistency

Indications

Crown and bridge impressions, inlay and onlay impressions

Good reasons for Honigum-Pro Putty in the MixStar cartridge

- 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-Pro 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 929374

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

Economy Pack

5 Cartridges @ 380 ml	
50 MixStar-Tips	REF 929375

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

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

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

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

1 Cartridge @ 380 ml	
10 MixStar-Tips	REF 909568

Economy Pack

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

5 Cartridges @ 380 ml	
50 MixStar-Tips	REF 909569

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

2009
REALITY
Four Star Award
★★★★



■ 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.

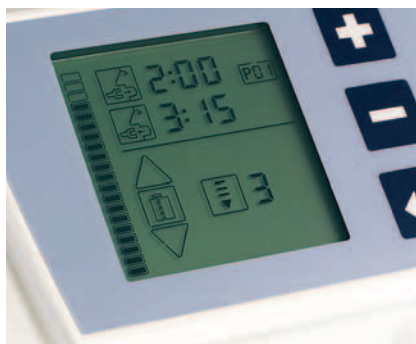
Faster. The MixStar-eMotion features three speed levels. At the highest level the material can be dispensed twice as fast as with its predecessor, the MixStar, i. e. you can save up to 20 seconds filling the tray.

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

Easy handling



Display with 2 timers and 3 different speed levels.



Start and Stop button for automatic mixing.



Button for a quick MixStar cartridge exchange.



Connectors for the optional foot pedal and USB interface to update the software.



Easy loading of a syringe at speed level 1.



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

Program presets of the MixStar-eMotion

Program / Material	Working time	Recommended time in mouth
PG1 Honigum-Heavy	2:15 min	3:15 min
PG2 Honigum-Heavy Fast	1:15 min	2:00 min
PG3 Honigum-MixStar Putty	1:45 min	3:15 min
PG4 Honigum-Mono	2:00 min	3:15 min
PG5 StatusBlue	1:15 min	1:45 min
PG6 Silagum-MixStar Putty Soft	2:00 min	3:30 min

More information about the MixStar-eMotion please visit www.dmg-dental.com/mixstar

Packaging

- 1 MixStar-eMotion 230 V int.
- 1 MixStar-eMotion 230 V GB
- 1 MixStar-eMotion 230 V NZ/AUS
- 1 MixStar-eMotion 115 V int.

REF 900480
REF 900483
REF 900484
REF 900482



■ 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
Working time [min]	2:15	2:15	1:30	2:15	1:30	1:30	2:30
Setting time in the mouth [min]	3:30	3:30	2:15	3:30	2:15	2:30	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 and Silagum-Light.



Double mixing impression with Silagum-Putty Soft 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
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	
1 Spatula	
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	
12 Automix-Tips	
12 Intraoral-Tips	REF 909718

Economy Pack

8 Cartridges @ 50 ml	
50 Automix-Tips	
50 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
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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



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«.






Application of the DMG Tray-Adhesive.



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



Filling the StatusBlue impression with Luxatemp.

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	

StatusBlue



VPS-based situation impression material

Indications

Impressions for provisionals, situation impressions, 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



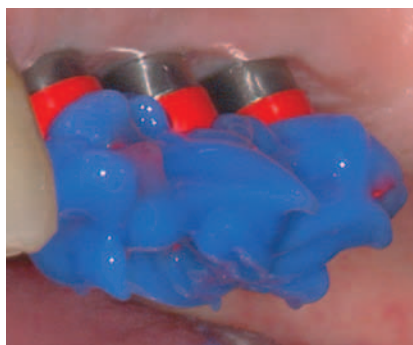
■ LuxaBite and O-Bite

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 correc-

tions. 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.



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 material
- 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

- **Luxatemp**
- **LuxaFlow**
- **LuxaForm**
- **TempoCem**



■ 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. Already its predecessor Luxatemp-Fluorescence was a many times awarded success material. 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 like that.

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

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

** Strategic Data Marketing (SDM): Sales quantities Q2/2010

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. [$\mu\text{L}/\text{mm}^3$]	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
- Reliable elastic phase

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

Specialities

The ideal solution for all temporary restorations:

TempoCemNE (p. 41), LuxaFlow Star (p. 38),
Luxatemp-Glaze & Bond (p. 39) und StatusBlue (p. 28)

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

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
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■ 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

■ 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-curing
- Especially suited for multi-unit restorations

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

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
1 Automix-Plunger Type 50 10:1	REF 110412
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

■ 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	REF 211927
25 Brushes	
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. For the different requirements a broad spectrum of variants is available: 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.



Direct Application of TempoCemNE into the temporary crown.



Cementing of the Luxatemp temporary with TempoCemNE.



Removing excess material.

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

TempoCemNE



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. 34-41) and TempoCemNE



TempoCem



Temporary luting cement with eugenol

Indications

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

Good reasons

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

Speciality

TempoCem-Automix Soft for large prosthetic cases

Good reasons for TempoCem-Automix Soft

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

Package

TempoCemNE-Smartmix

- | | |
|----------------------------|------------|
| 2 Smartmix-syringes @ 11 g | |
| 20 Smartmix-Tips | 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 | 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 |



The background of the slide features a blurred image of a Lux dental product box. The word "Lux" is prominently displayed in a large, bold, sans-serif font. Below it, there is German text: "Vorsilanisier", "stärkter Cor", and "röntgenopal".

Lux

Permanent Treatment

- **LuxaCore**
- **LuxaPost**
- **Vitique**
- **Silane**
- **PermaCem**
- **EcuSphere**
- **Ionosit-Baseliner**
- **Ecusit-Composite Repair**
- **Alphaplast**
- **Silber 70-Solo**



■ LuxaCore Z - Dual

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 achievement 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.

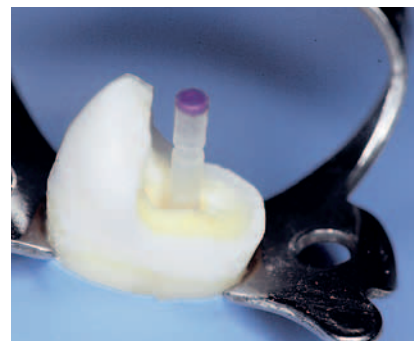
Besides the new LuxaCore Z, DMG will continue to offer the time-tested LuxaCore – successful worldwide and no. 1 in the US for many years!*



User-friendly application of LuxaCore Z 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 Dental Marketing Inc.

** when light-cured



LuxaPost

The DMG quality root post.

Perfect partnership: The glass fiber-reinforced 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 contributed by 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-curing: Flexible treatment process
- Available in three shades:
 - Blue: contrasting 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
- 20 Intraoral-Tips
- 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
- 10 Intraoral-Tips
- 10 Endo-Tips
- 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 least 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

LuxaPost

- 5 Posts ø 1,25 mm
- 1 Drill ø 1,25 mm

LuxaBond-Total Etch

- 1 Bottle @ 5 ml Pre-Bond
- 1 Bottle @ 5 ml Bond A
- 1 Bottle @ 5 ml Bond B

Etching Gel

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

LuxaCore Z-Dual

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

REF 110862

LuxaPost



Glass fiber-reinforced pre-silanized 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-silanized
- Gentle on the tooth substance thanks to tapered form
- One powerful drill for each size: No pre-drilling required
- Highly esthetic
- For the frequent use of special post sizes every size is available as refill
- For the frequent use of special drill sizes every size is available as refill
- The LuxaPost Intro Kit facilitates easy refilling of the small LuxaPost boxes
- Color coded sizes for easy orientation:
 - Black ø 1.25 mm
 - Purple ø 1.375 mm
 - Green ø 1.5 mm

Intro Kit

- 1 Drill ø 1.25 mm
- 1 Drill ø 1.375 mm
- 1 Drill ø 1.5 mm
- 30 Silicone stops
- 1 Measuring card

REF 110780

Refills

- 1 Drill ø 1.25 mm
- 1 Drill ø 1.375 mm
- 1 Drill ø 1.5 mm
- 30 Silicone stops

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. The DMG-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. Vitique can thus – without having to change the system – be used for all ceramic applications. No doubt, a true expert.

Good reasons

- Perfect for all kinds 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.

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 will not be changed since the catalyst ratio is very low
- Radiopaque

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. 68)

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



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
- Shade A2.5
- Shade A4
- Shade B1
- Shade Bleach Light
- Shade Transparent
- Shade White
- Shade Pink

REF 213038
REF 213039
REF 213040
REF 213041
REF 213042
REF 213043
REF 213044
REF 213045

Refill – Try-In Base

- 1 Syringe @ 3.9 g Try-In-paste
- 10 Veneer-Tips
- Shade A1
- Shade A2.5
- Shade A4
- Shade B1
- Shade Bleach Light
- Shade Transparent
- Shade White
- Shade Pink

REF 213048
REF 213049
REF 213050
REF 213051
REF 213052
REF 213053
REF 213054
REF 213055

Refill – Catalyst

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

REF 213046
REF 213047

Refill – Try-In Catalyst

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

REF 213056

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 and LuxaPost (see p.s 45-49)

Package

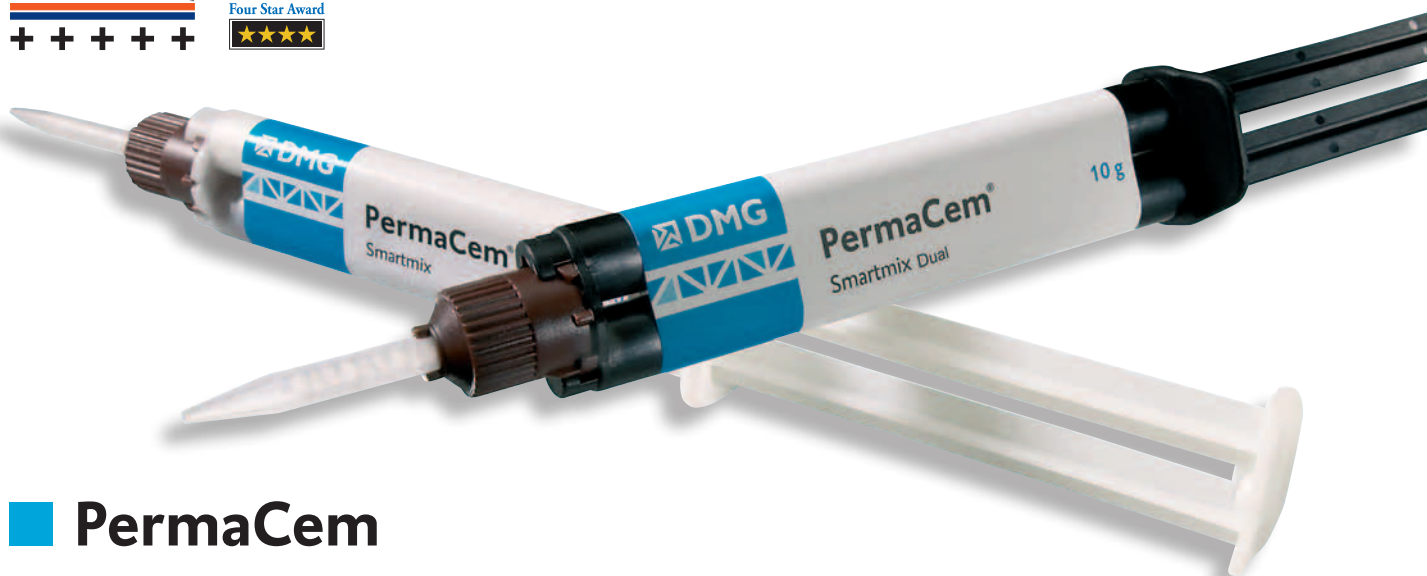
- 1 Bottle @ 3 ml adhesive silane
- 1 Bottle @ 3 ml activator
- 50 Single-use brushes
- 1 Brush holder

REF 213118

Accessories Vitique

- 100 Veneer-Tips
- 50 Smartmix-Tips Brown 4:1

REF 213057
REF 213058

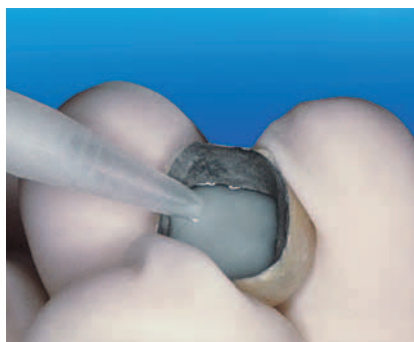


■ PermaCem

Reliable. Always.

The universal luting cement for all prosthetic restorations is always at the right place, 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.



Easy and direct application.



Easy clean-up.

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

■ 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 least material waste

Specialities

For adhesive Bonding of PermaCem-Dual we recommend LuxaBond (Total-Etch System) or Contax+Activator (Self-Etch System). See p. 68



■ 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. 68

Package

PermaCem-Smartmix

- 2 Smartmix-Syringes @ 10 g
20 Smartmix-Tips 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

Package

PermaCem-Smartmix Dual

- 2 Smartmix-Syringes @ 10 g
20 Smartmix-Tips 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



■ 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 most diverse demands.

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

EcuSphere-Carat, a highly viscous, almost 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 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



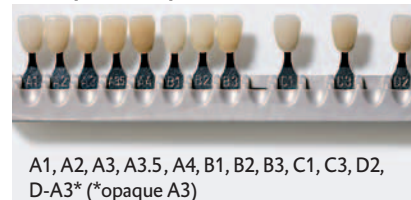
Clinical result with EcuSphere-Shape and EcuSphere-Shine class IV



Clinical result with EcuSphere-Flow class V

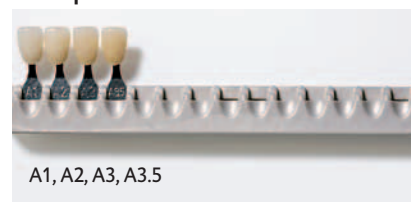
The EcuSphere color range

EcuSphere-Shape



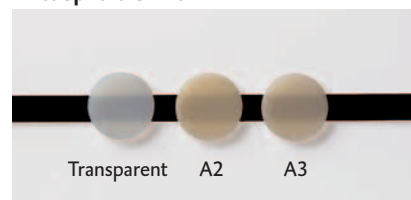
A1, A2, A3, A3.5, A4, B1, B2, B3, C1, C3, D2, D-A3* (*opaque A3)

EcuSphere-Carat



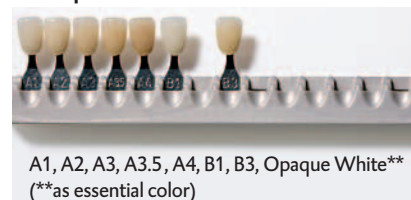
A1, A2, A3, A3.5

EcuSphere-Shine



Transparent A2 A3

EcuSphere-Flow



A1, A2, A3, A3.5, A4, B1, B3, Opaque White** (**as essential color)

Technical Data	EcuSphere-Carat	EcuSphere-Shape	EcuSphere-Shine	EcuSphere-Flow
Filler ratio [weight%; volume%]	77; 57	77; 57	76; 60	63; 41
Mean filler particle size [μm]	0.7	1.5	0.04	0.02-9
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 sorption [$\mu\text{g}/\text{mm}^2$]	15	15	22	25
Diametral tensile strength [MPa]	53	51	39	40
Radiopacity [% Al]	200	200	50	150
Time for light-curing [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

System Pack

3 Syringes @ 3 g, Shades: A2, A3, A3.5 REF 220290

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 tampable 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, almost packable
- Excellent handling
- Does not stick to the instrument
- Good adaptation to cavity walls
- Excellent stability
- Natural fluorescence

Speciality

Especially recommended for posterior applications

System Pack

3 Syringes @ 3 g
 Shades: A2, A3, A3.5 REF 220316

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 see p. 57

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

Introductory Package

- 3 Syringes @ 3 g EcuSphere-Carat, Shades: A2, A3, A3.5
- 3 Syringes @ 3 g EcuSphere-Shape, Shades: A2, A3, A3.5
- 3 Syringes @ 2.5 g EcuSphere-Shine, Shades: Transparent, A2, A3 REF 220325

System Pack

- 3 Syringes @ 2.5 g, Shades: Transparent, A2, A3 REF 220310

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 see p. 57

EcuSphere-Flow



Light-curing, flowable universal composite

Indications

Minor 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

No more post-operative sensitivities etc.

Ionosit-Baseliner is the »stress breaker« among the dental materials. This light-curing active baseliner is the ideal one-component underfilling material for composite, ceramic and amalgam restorations.

Its active chemistry compensates for the shrinkage typical with composite fillings, prevents crack formations, and, with that, post-operative sensitivities, and minimizes microfractures and secondary caries.

The material is radiopaque, provides long-term fluoride release, and, due to its zinc content and special monomers, has anti-bacterial properties. Ionosit Baseliner – for stress-free restorations.



Tooth with Class II-cavity (state after excavation).



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



Ionosit-Baseliner seals the dentinal tubule and thus prevents postoperative sensitivities.

Technical Data	Ionosit-Baseliner
Working time [s]	90
Light-curing [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

■ Ionosit-Baseliner



Light-curing active base lining material

Indications

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

Good reasons

- Unique compensation of composite polymerisation shrinkage through controlled expansion
- Continuous fluoride release
- Antibacterial properties (due to zinc content and special monomers)
- No complicated handmixing
- Protects the pulp
- Seals the dentinal tubuli
- Prevents post-operative 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, bent, Black | REF 211477 |
|--------------------------------|------------|

■ 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

- Non-transparent
- Prevents premature polymerization
- Disinfectable
- Reusable
- Easy handling
- Chair-side application
- Exchangeable inserts
- 5 large numbered wells

Specialities

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

Package

- | | |
|---------------------|------------|
| 1 LuxaTray | REF 213014 |
| 10 LuxaTray-inserts | REF 213059 |

■ 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
- New formula: methyl-methacrylate-free

Package

- 1 Bottle @ 5 ml liquid
 - 10 Brushes
 - 1 Mixing pallet
- REF 210873

■ 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
 - 70 Spatulas
- REF 212988
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 predosed pillows

Package

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

Restorative materials at a glance

	Alphaplast	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		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 50 g Automix-cartridge	1.5 g Luer-Lock-syringe	Self-activating capsules





Bonding Agent

- **TECO**
- **LuxaBond**
- **Contax**
- **Etching Gel**

Laboratory products

- **Silatec**
- **Dry Coat**
- **Supertec**



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 press-

ing 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 preven-

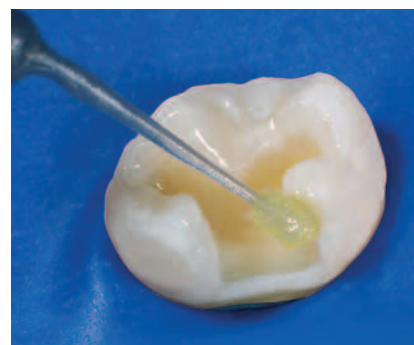
ting over-drying of the dentine. With TECO you have bonding covered at all times.



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 the use with the DMG Products

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

See p. 48ff.

Package

60 SilvR dose @ 0.12 ml Bond

1 Syringe @ 2 ml Etching Gel-Medium Viscosity

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. 65)

Package

1 Bottle @ 5 ml Bond

1 Syringe @ 2 ml Etching Gel-Medium Viscosity

REF 213321

* 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, Helsingör, Denmark



■ LuxaBond-Total Etch

The perfect partner for all indirect techniques.

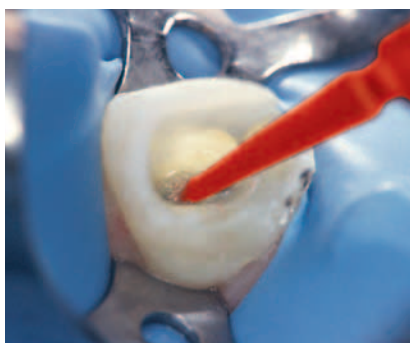
This three-component system hardens with and without light and is therefore particularly well-suited for indirect techniques such as challenging cementations of root posts and core build-ups, as well as veneers, inlays, onlays, crowns and bridges. The Pre-Bond ensures that after its application the bond mix

hardens 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 indirect techniques

Indication

Dual-curing bonding agent in combination with the Total-Etch technique on enamel and dentine for all 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 the use with DMG products

- LuxaCore Z- Dual (dual-cure 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. 68

■ 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
- 1 Mixing pad

REF 212384

Accessories

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

REF 212385
REF 212386
REF 109942

Package

- 2 Syringes @ 2 ml
- 6 Luer-Lock-Tips

REF 212873



■ Contax

Better safe than sorry.

Contax protects against post-operative sensitivities and assures 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 com-

bination with the optional activator the products ensure 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 post-operative sensitivities are all

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



Work in Contax-Primer for 20 s.



Work in Contax-Bond for 20 s.



Light-cure Contax for 20 s.

Bonding of light-curing composites

Contax-Primer	Contax-Activator	Contax-Bond	Light-curing
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-curing
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

■ 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
- Reliable depth of demineralisation
- Long-lasting restorations because of separate priming step
- Water-based primer
- No postoperative sensibilities

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 for Contax-Bond

Indication

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

Good reasons

- Perfectly suited for use with LuxaCore Z-Dual, PermaCem-Dual and Vitique (dual-curing mode)

Speciality

Contax+Activator is optimized for the use with DMG products

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

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 |

Zubehör

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

Adhesives – Overview

	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	Direct Composite fillings Luting of veneers	Core build-up Post cementation Direct Composite fillings Luting of restorations	Direct Composite fillings Luting of restorations	Core build-up Direct Composite fillings Luting of restorations
Curing mode	Light-cure	Dual-cure	Light-cure	Light-cure
Usage in combination with DMG products	EcuSphere EcuSphere-Flow Ionosit-Baselinier Vitique (light-cure mode)	LuxaCore LuxaCore Z-Dual Vitique (dual-cure mode) PermaCem PermaCem Dual	EcuSphere EcuSphere-Flow Ionosit-Baselinier Vitique (light-cure mode)	LuxaCore LuxaCore Z-Dual Vitique (dual-cure mode) PermaCem PermaCem Dual



TECO, Total Etch, Light-cure



LuxaBond, Total Etch, Dual-cure



Contax, Self Etch, Light-cure



Contax + Activator, Self Etch, Light-cure

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






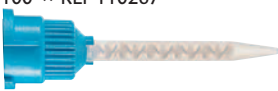













Good reasons

- 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

			
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-Fluorescence	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

REF 213058 (50 pieces)



suitable for
Vitique



REF 110724 (50 pieces)

Smartmix-Tips Green



suitable for
Luxatemp Star

Smartmix-Tips Short

REF 212040 (50 pieces)



suitable for
TempoCem
TempoCemNE
TempoCem-Soft
PermaCem-Smartmix
PermaCem-Smartmix Dual



Smartmix-Tips Kombi

REF 212042 (50 pieces each)

Smartmix-Tips Kombi



suitable for
LuxaCore Z-Dual
LuxaCore-Smartmix Dual



Smartmix-Tips Endo

REF 212041 (50 pieces each)

Smartmix-Tips Endo



suitable for
LuxaCore Z-Dual
LuxaCore-Smartmix Dual

Veneer-Tips

REF 213057 (100 pieces)



suitable for
Vitique



Luer-Lock-Tips

REF 211477 (60 pieces)



suitable for
LuxaFlow Star
Ionosit-Baselinier
EcuSphere-Flow



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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

