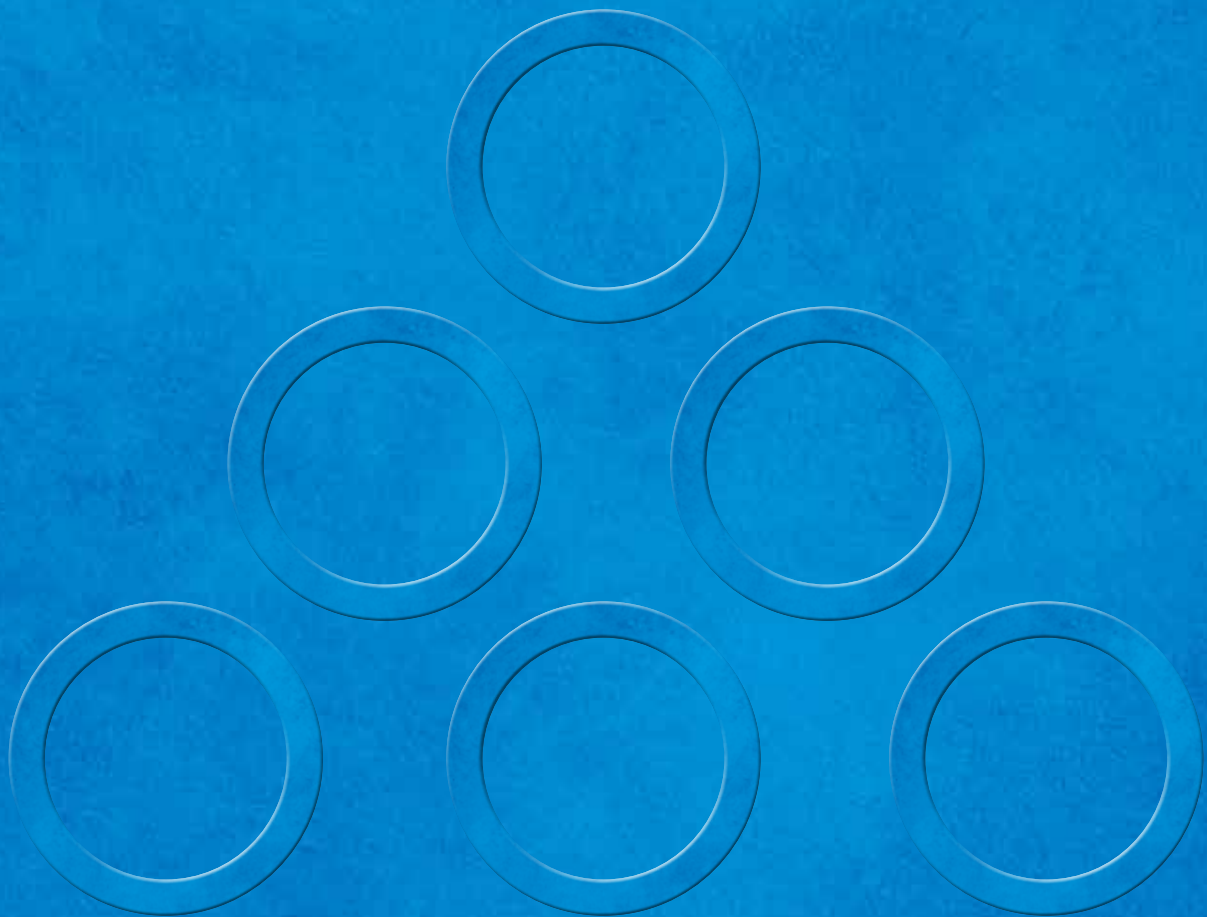


# KETTENBACH DENTAL PRODUCTS







# SOOO EASY WITH FUTAR® EASY

NEW

## Application can be so simple

**Futar®** has two new family members: **Futar® Easy** and **Futar® Easy Fast**. Easy-to-apply bite registration materials based on A-silicone for precisely capturing the occlusal relationships.

### SUPER PRECISION

- The high final hardness (Shore A 90) minimizes compression when mounting models in the laboratory

### SUPER FOR COMFORTABLE WORKING

- Low dispensing force – easy to apply
- Flexible in processing: easy to cut
- Also available with fast-setting characteristics: for more patient comfort!

### SOOO ECONOMICAL

- Immediately start applying the material: no discarding, no waste

### SOOO SAFE

Discover a new dimension of intuitive use

- Matching color code:** the cartridge cap and shield on the cartridge correspond with the mixing tip by color



IT'S SO  
*easy!*



# SOOO SUPER WITH FUTAR®



## Eight choices to achieve maximum precision without slumping.

Fast-setting, syringeable bite registration material (VPS-silicone) with a high final hardness for exact recording of occlusal relationships.



### User advantages

- Precise results, maximum convenience, highest quality
- Product range provides the correct material for every indication
- No rebound when aligning the models, reduces chairside adjustments at seating

### Product properties

- Hard (Shore A 90) or extra-hard (Shore D 43) material
- Fast, extra-fast or extra-long working time
- Short or extra-short intraoral setting time
- Elastomeric, stable storage, can be cut or trimmed, very thixotropic

### Benefits for the dentist

- Non-slumping, easy handling during application, removal and alignment
- Quick-setting characteristics save time in practice
- Consistently top quality from the market leader = reliability of a precision bite registration

### Economical and safe – the new 50 mL cartridge system

- Economical: the new blue mixing tip has up to 20 % less residual amount than the previous green mixing tip (Ø 6.5 mm) for Futar® products.
- Intuitive: simple handling

Market leader in Germany<sup>1)</sup>  
over 25 years Futar® =  
over 25 years quality +  
over 25 years innovation



NEW  
EASY TO APPLY







SOOO PRECISE  
IS PANASIL®

PANASIL®

## Precision impressions even in extreme situations.

The **Panasil®** range includes the right product for all impression techniques and indications. Thanks to its impressive product properties and coordinated product combinations, impressions can even be taken in moist environments and still deliver exceptionally precise results. The product family is available in low, medium, and high viscosity precision impression materials as well as a kneadable material all based on A-silicone.

Over 40 years  
of innovation, quality  
and experience



### User advantages

- Less waste, easier set-up, precisely dispensable
- Reduced risk of errors due to quick-setting characteristics
- Highly precise final impression
- Different viscosities for all impression techniques and indications

### Product properties

- VPS-silicone with maximum elastic recovery
- Long working times, fast intraoral setting times
- Genuine putty dispensed from an automix machine in the 5:1 cartridge system or manually kneadable
- Different light bodies with pronounced flowability and optimum hydrophilicity

### Benefits for the dentist

- Maximum reliability and very easy handling when taking and removing impressions
- Elastomeric, thixotropic, hydrophilic and flowable under pressure
- Quick-setting characteristics and easy mixing save time in practice

### Economical and safe – the new 50 mL cartridge system

- Economical: the new blue mixing tip has up to 20 % less residual amount than the previous green mixing tip (Ø 6.5mm) for Panasil® products. No material waste before the first application.
- Intuitive: simple handling



## Superior hydrophilicity for superior performance!

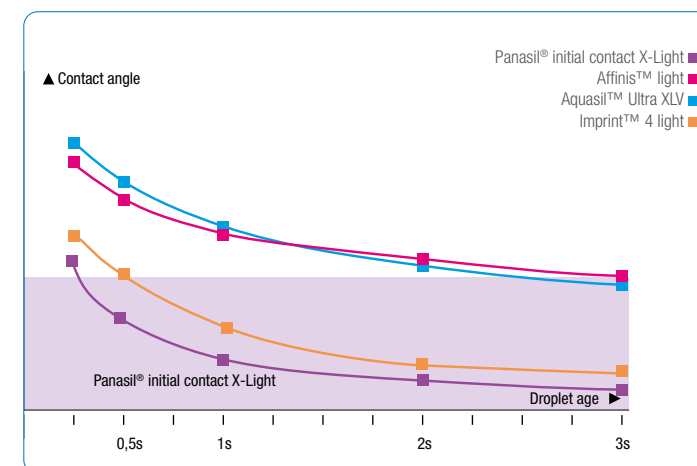


Photos by Hubert Christian Roggendorf, D.D.S. – Department of Prosthodontics Center of Dento-Maxillo-Facial Medicine, Rheinische Friedrich-Wilhelms University of Bonn, Germany



\* Comparative test carried out by Kettenbach Dental contact angle measured using the measuring device DAS 100, from Kruss, 2006. Evaluated using the circle-fit method.  
\*\* Affinis Light™, Aquasil Ultra XLV™, and Impregum™ are not registered or trademarked by Kettenbach Dental.

### Attains top values fastest

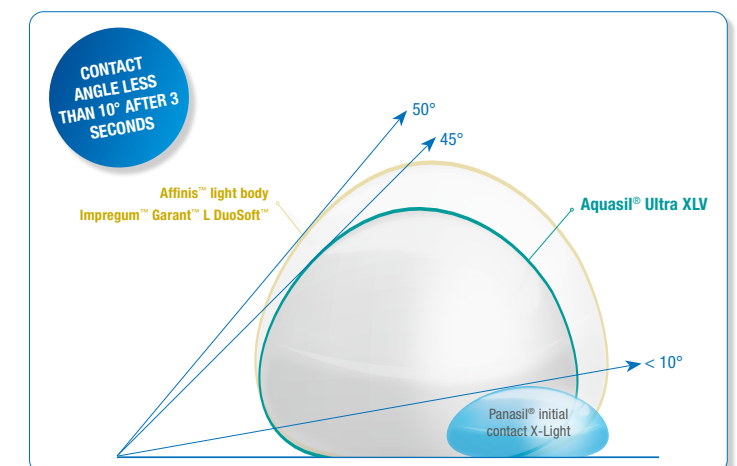


Measurements were carried out by Kettenbach Dental on the premises on the basis of respective DIN/ISO standard measurement specifications.

In a study\*, A-silicones and polyether were tested with respect to their wetting properties using video and high resolution contact angle measurements during the working time.

On the basis of initial hydrophilicity (quantified via the initial contact angle) and hydrophilic kinetics (spreading capacity of the water drop), both initial hydrophilic and high hydrophobic A-silicones were observed.

The time of initial contact and the speed at which the liquid spreads play a decisive role in improving the precision of an impression. Furthermore, it is important for the hydrophilicity to be retained throughout the entire working time of the material, not just at the beginning. The tested materials displayed a continuous decrease in hydrophilicity, while the hydrophilicity of the A-silicone Panasil® initial contact remained consistent throughout the entire working time.



Panasil® initial contact X-Light shows extremely fast spreading of the water drop and reaches the lowest contact angle after 3 seconds compared to the competitive materials.





SOOOO COMFORTABLE  
IS IDENTIUM®



IDENTIUM®



## The best of both worlds

**Identium®** combines the advantages of two proven impression materials (polyether and VPS/A-silicone) working in perfect harmony. This unique material combination, which is available as heavy, medium and light body with normal and fast-setting variants, is ideal for the monophasic or double-mix impression technique.



### Greatest precision

- Remarkable hydrophilicity
- Perfect flow even with residual moisture enables the preparation margins to be reliably determined.
- The narrowest of sulcus gaps are also precisely recorded.
- Extra-long intraoral working time, making it ideal for large restorations
- High final hardness immediately after setting ensures optimum fixation

### More comfortable for user and patient

- Easy removal from the mouth thanks to high elasticity
- Low risk of breakage in model fabrication
- Neutral taste and smell
- Short intraoral setting time guarantees less distortion during the setting phase
- Considerably reduced gag reflex

Your real alternative  
to polyether

### Time saving

- Fast-setting variants of Identium® Heavy, Medium and Light allow the impression to be removed from the patient's mouth after just 3:30 minutes.

### Economical and safe – the new 50 mL cartridge system

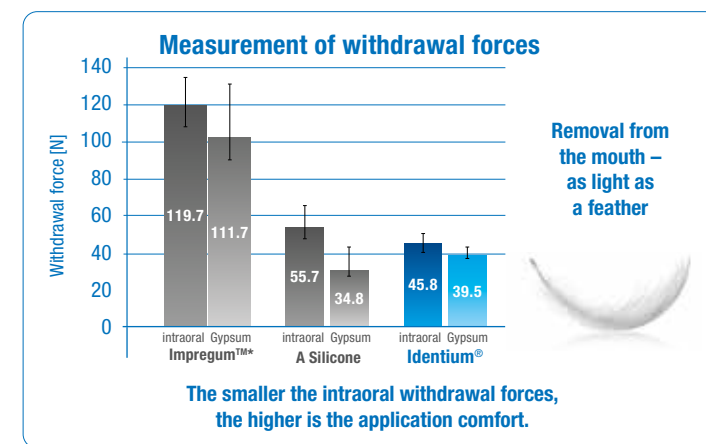
- Economical: no material waste before the first application
- Intuitive: simple handling



THE DENTAL  
ADVISOR  
+ + + +

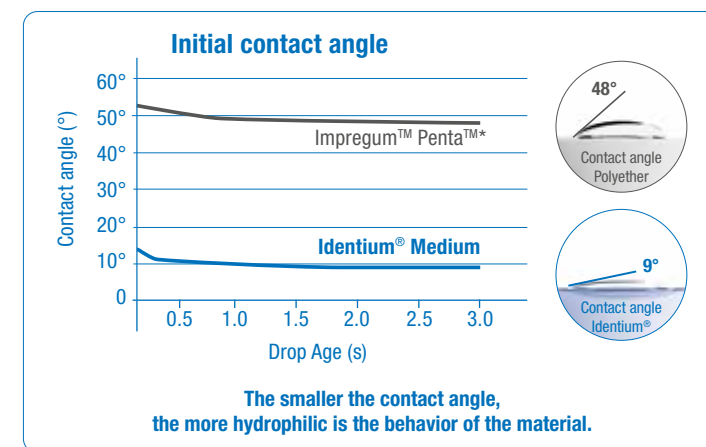
Now in **NEW**  
cartridge system!

## Comfortable advantages for precise impressions



### Easy removal from the mouth

Impression materials undergo major deformations during removal. Identium® has the elastomeric properties of A-silicone meaning that impressions can be comfortably removed from the patient's mouth and from plaster models. Unwanted tooth extractions in the clinic or stumps breaking off from the plaster model in the laboratory are now a thing of the past. The final elastic recovery approaches the 100 % mark.



### Crisply detailed reproduction margins

If there is slight bleeding or residual saliva present, the initial networking behavior of the impression material plays a major role in the precision of the impression. Even if the impression area is carefully dried, a certain residual moisture will remain that negatively impacts the precise reproduction of details. The parameters initial hydrophilicity (quantified by the contact angle) and hydrophilic kinetics (quantified by the spread behavior of a water drop) provide useful information about the behavior of the impression material. With a first-class contact angle of less than 10° after just one second, Identium® achieves an absolute peak value for the initial hydrophilicity. Unlike other materials, Identium® is able to develop this high hydrophilicity very rapidly and to maintain it throughout the entire working time.

The result is crisply detailed impressions of the preparation margin, even in extreme situations.





SOOO EFFICIENT  
IS **SILGINAT®**



SOOO ADHERENT  
IS **MUCOPREN® SOFT**

## The new standard for taking preliminary impressions.

Medium body, elastomeric VPS-silicone with alginate-like consistency, specially developed for taking impressions of the opposing arch and for the fabrication of temporary crowns/bridges and splints.



### User advantages

- VPS-silicone with alginate-like properties
- Impression can be stored without drying out
- Maximum precision, easy removal from the mouth

### Product properties

- Optimum elastic recovery
- High dimensional stability
- Very thixotropic, high flowability and tear resistance
- Neutral or Strawberry flavour

### Benefits for the dentist

- Precision and opposing arch impression taking using the same material – optimally coordinated
- Can be poured several times, even after a long period of storage
- Ideal impression material for the fabrication of temporary restorations and splints
- Standardized, hygienic procedures in line with quality management

### Economical and safe – the new 50 mL cartridge system

- Economical: the new blue mixing tip has up to 20% less residual amount than the previous green mixing tip (Ø 6.5mm) for Silginat® products. No material waste before the first application
- Intuitive: simple handling



For temporary crowns and bridges



Can be poured several times



Now in **NEW**  
cartridge system!

Stable and can be  
poured several times

## Holds to the denture. And does what it promises.

**Mucopren® Soft** is a permanently soft durable relining material for removable dentures based on vinyl polysiloxane. The material can be applied directly or indirectly and is also very useful for many other indications, just like for relieving the operation site after placing implants, for compensating areas of mucous membrane with varying degrees of resiliency and f.e. also for relieving sharp bony ridges.



### User advantages

- Resistant to contamination\*
- Good trimmability
- Excellent bond strength to the denture
- For direct and indirect application

### Product properties

- Smooth, hydrophobic silicone surface\*
- Silicone-based sealing
- High tear resistance
- Patented adhesive

### Benefits for the dentist

- Optimum requirements for hygienic denture conditions
- Long period in situ and comfort
- Modern material characteristics ensure easy, reliable handling
- Very efficient, value creation remains in the dental practice

For denture relining  
without compromises!



Direct reline



Indirect reline



Can be easily trimmed



Easy to seal



\* Concluded from in vitro studies which showed that the smooth silicone surface prevented Candida albicans growth.





SOOO UNBREAKABLE  
IS **VISALYS® TEMP**

## For strong temporary crowns and bridges.

**Visalys® Temp** is a temporary crown and bridge material for exceptionally stable and fracture-resistant short-term and long-term temporary restorations based on a multifunctional acrylic composite. The minimal shrinkage ensures well-fitting and tension-free temporary restorations from crowns or bridges to inlays/onlays to highly esthetic veneers.



### Outstanding reliability

- Exceptional fracture resistance & very good marginal stability thanks to the high flexural strength & high elastic modulus
- Also suitable for long-term temporary restorations

### Easy handling

- Well-fitting & tension-free temporary restorations thanks to the minimal shrinkage
- Final temporary restoration can easily be added to or repaired even after curing
- Easy and precise processing

### High esthetics and reliability

- High natural sheen, easy to polish even without pastes or varnish
- Chameleon effect due to tooth-like translucence and opalescence
- Free of bisphenol A, a bonus for health and our environment

Outstanding properties for  
**very strong temporary restorations**



SOOO STABLE  
IS **VISALYS® CORE**

## Secure bonding with your adhesive.

**Visalys® Core** is a dual-curing composite for difficult and freehand core build-ups as well as root post cementation. Special network formers ensure a reversible interaction between the fillers and give the user the possibility of controlling the stability using the application speed: High application pressure activates inherent shear forces and leads to faster flow of the material.

The integrated, patented Active-Connect-Technology (ACT) ensures secure adhesion with all conventional light-curing or dual-curing one-step or multi-step adhesives.



### Stable even in difficult situations

- Excellent stability (even without matrices) and at the same time very good flowability
- Self-curing property ensures reliable core build-ups even in sites with no light access
- Core build-ups are pressure resistant, stable, and form a reliable monoblock comprising root post and core build-up

### Reliable adhesive bond for durable restorations

- Completely without additional activator
- Can be used with conventional adhesives: regardless of whether light-curing or dual-curing one-step or multi-step system
- Possible thanks to the patented Active-Connect-Technology (ACT)

### Simple and reliable working

- Dentin-like grindability
- Low application force
- Light curing for immediate further processing
- Free of bisphenol A, a bonus for health and our environment

Top bond strength  
with all popularly used  
brands of adhesives!







SOOO SMART  
IS **VISALYS® CEMCORE**

**VISALYS® CEMCORE**

Always the same protocol,  
regardless of the type of  
indirect restoration.

#### Suitable for permanent cementation

**Visalys® CemCore** is a dual-curing, adhesive cementation composite that is suitable for cementing all indirect restorations.

#### Suitable for all dental restoration materials

**Visalys® CemCore** is compatible with all dental materials (metal, oxide ceramic, silicate ceramic, etc.) and indicated for all conventional restorations such as crowns and bridges, as well as for very challenging restorations, such as Maryland bridges (adhesive bridges) that require an extreme adhesive strength and for highly esthetic restorations such as veneers that require precise working and high color stability.

#### Suitable also for creating core build-ups

Easy and safe even in difficult situations.



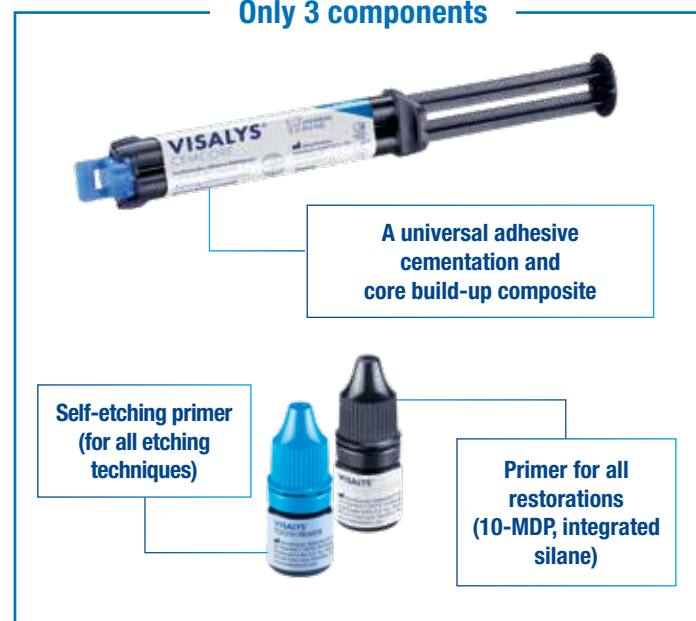
#### Safe and simple for highly esthetics

- Cementation of all dental restorations, even in the highly esthetic anterior region
- Can be used with all etching techniques
- No mixing of components required
- Associated primers do not have to be light-cured: no blocking due to primer coats that are too thick, reliable curing even in sites with no light access
- All components are free of bisphenol A
- Low sorption of stains due to the hydrophobic property of Visalys® CemCore, prevents staining of the cement joint
- The right shade for every patient: 5 shades each with a matching try-in paste

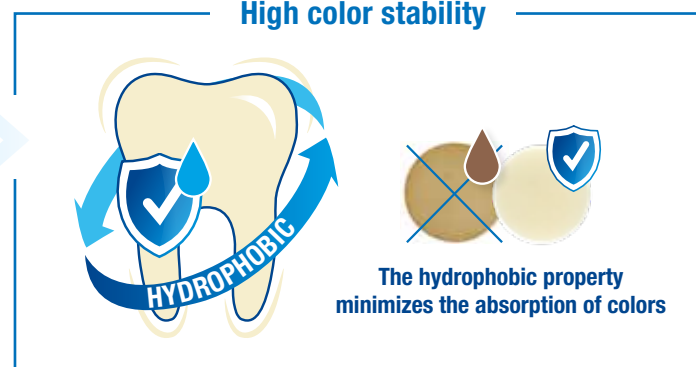
The luting composite for  
**ALL** indirect restorations.



#### Only 3 components



#### High color stability



Secure adhesion and long life

The **high quality of the marginal gap** of **Visalys® CemCore** represents the high quality of the bond between the dental substance and the composite.

Source: Prof. Dr. Roland Frankenberger et al. (2019), *Marginal Quality of Ceramic Inlays luted with Visalys® CemCore*, University Marburg

<sup>1)</sup> Outstanding adhesion results with patented Active-Connect-Technology.  
More Information: [www.kettenbach-dental.com/act](http://www.kettenbach-dental.com/act)



No debonding and no fracture, even after **10 years** of simulated oral use.

Source: Prof. Dr. Dipl.-Ing. Martin Rosentritt (2020), *Fracture force after long-term storage and TCML*, University Regensburg

Smart handling

Always the same protocol, regardless of the type of indirect restoration.



Easy to remove any excess



Copyright: Dr. med. dent. Frank-Michael Maier





ASSORTMENT

Dynamic mixers blue

45 tips REF 17900

380 mL cartridge 5:1		Intro pack (1 x 380 mL)	Refill pack (2 x 380 mL)
Silginat®		–	REF 14713
Silginat® Strawberry		–	REF 14715
Identium® Medium / Identium® Medium Fast		REF 14716 / –	REF 14717 / REF 14719
Identium® Heavy / Identium® Heavy Fast		REF 1472411 / –	REF 14725 / REF 14727
Panasil® monophase Medium		–	REF 14709
Panasil® binetics Putty Fast		REF 14700	REF 14701
Panasil® binetics Putty Soft		REF 14702	REF 14703
Panasil® tray Fast Heavy		REF 14704	REF 14705
Panasil® tray Soft Heavy		REF 14706	REF 14707

200 mL / 450 mL jar 1:1		Intro pack (400 mL) 2 x 200 mL jar 1:1	Normal pack (900 mL) 2 x 450 mL jar 1:1	Economy pack (3600 mL) 4 x 450 mL jar 1:1
Panasil® Putty		–	REF 11101	REF 11103
Panasil® Putty Fast Set		REF 11140	REF 11141	REF 11143
Panasil® Putty Soft		REF 11120	REF 11121	REF 11123

2 x 5 kg jar 1:1		Economy pack (10 kg) 2 x 5 kg jar 1:1
Panasil® lab Putty		REF 11153

Mixing tips red, Ø 4.0 mm

50 tips REF 17249  
100 tips REF 17250

Intraoral tips transparent, Ø 0.6 mm

100 tips REF 17259

Mixing tips blue, Ø 6.0 mm

50 tips REF 17244  
100 tips REF 17246

Intraoral tips white, Ø 1.0 mm

100 tips REF 17260

50 mL cartridge 1:1		Normal pack (2 x 50 mL)	Bulk pack (24 x 50 mL)	Bonus pack (10 x 50 mL)
Panasil® monophase Medium		REF 1350111	–	–
Panasil® tray Soft Heavy Fast		REF 1356111	–	–
Panasil® tray Fast Heavy		REF 1355111	–	–
Panasil® tray Soft Heavy		REF 1354111	–	–
Panasil® initial contact X-Light / - Fast		REF 1340111 / REF 1346111	–	REF 2830011 / –
Panasil® initial contact Light / - Fast		REF 1341111 / REF 1347111	–	REF 2831011 / –
Panasil® initial contact Regular		REF 1343111	–	–
Panasil® contact plus X-Light		REF 1189211	–	–
Panasil® contact two in one Light		REF 1178111	–	–
Silginat®		REF 1384611 (6 x 50 mL)	REF 1384711	–
Silginat® Strawberry		REF 1382611 (6 x 50 mL)	REF 1382711	–
Identium® Light / Identium® Light Fast		REF 1370111 / REF 1371111	–	–
Futar® / Futar® Fast		REF 1191211 / REF 1192611	–	REF 2827711 / REF 2827611
Futar® Easy / Futar® Easy Fast		REF 1192311 / REF 1192411	–	–
Futar® D / Futar® D Fast		REF 1193211 / REF 1196111	–	REF 2827811 / REF 2827911
Futar® D Slow		REF 1195111	–	–
Futar® Cut & Trim Fast		REF 1197511	–	REF 2827511

ASSORTMENT

Mixing tips green, Ø 6.5 mm

50 tips REF 17234

Mixing tips light blue, Ø 3.2 mm

60 tips REF 17217

Mixing tips blue-orange, Ø 3.2 mm

50 tips REF 13789

Intraoral tips yellow, short, Ø 0.6 mm

50 tips REF 17225

Mixing tips brown, Ø 2.5 mm

50 tips REF 17232

Mixing tips yellow, short, Ø 4.2 mm

50 tips REF 17230

Mixing tips blue, Ø 2.5 mm

50 tips, tapered REF 17236  
50 tips, blunt REF 17238

Endo tips transparent, Ø 0.9 mm

50 tips REF 17224

Intraoral tips transparent, Ø 1.2 mm

50 tips REF 17223

50 mL cartridge 1:1		Normal pack (2 x 50 mL)
Mucopren® Soft		REF 15687
Mucopren® Soft Base set		REF 28105 50 mL Mucopren Soft, 50 mL Mucopren silicone sealant, 10 mL Mucopren adhesive, 7 green mixing tips (Ø 6.5 mm), 20 blue mixing tips (Ø 3.2 mm), 1 brush holder, 20 single-use brushes, 1 steel cutter, accessories

50 mL cartridge 1:10		Normal pack: 50 mL cartridge, 15 blue-orange mixing tips,	Bonus pack: 5 x 50 mL cartridge, 15 blue-orange mixing tips,
Visalys® Temp, shade A1		REF 13780	–
Visalys® Temp, shade A2		REF 13781	REF 13794
Visalys® Temp, shade A3		REF 13782	REF 13795
Visalys® Temp, shade A3.5		REF 13790	–
Visalys® Temp, shade B1		REF 13784	–
Visalys® Temp, shade BL		REF 13788	–

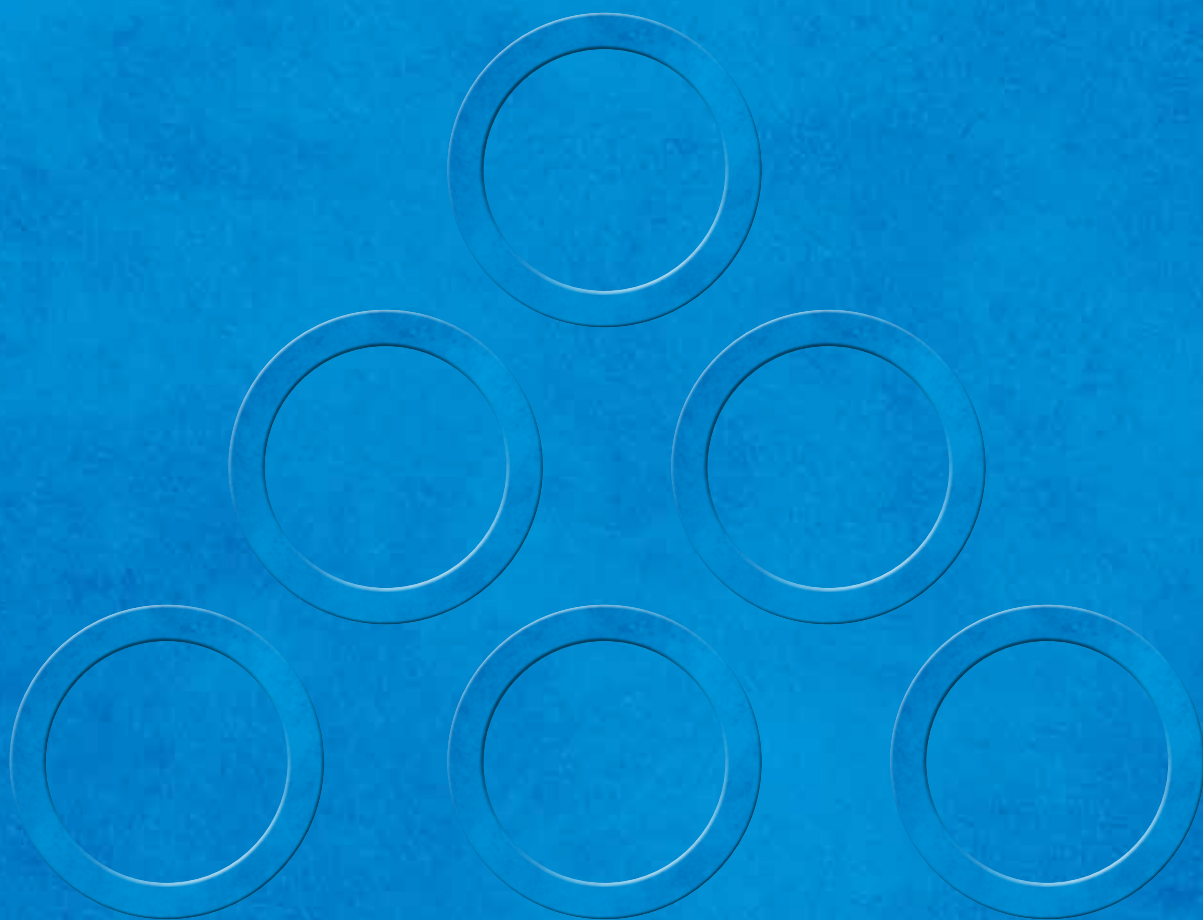
9 g (5 mL) automix syringe 1:1/ 45 g (25 mL) cartridge 1:1		Intro pack 9 g (5 mL) automix syringe, 10 brown mixing tips, 5 intraoral tips, 5 endo tips	Normal pack 2 x 9 g (5 mL) automix syringe, 20 brown mixing tips, 10 intraoral tips, 10 endo tips	Normal pack 45 g (25 mL) cartridge, 20 yellow mixing tips, 20 intraoral tips
Visalys® Core, White		REF 13866	REF 13860	REF 13870
Visalys® Core, Dentin		REF 13865	REF 13861	REF 13871

4.5 g (2.5 mL) / 9 g (5 mL) automix syringe 1:1		Starter pack 4.5 g (2.5 mL) automix syringe, 1 x 2 mL Tooth Primer, 1 x 2 mL Restorative Primer, blue mixing tips, blunt / tapered, 5 units each, 3 intraoral tips, 2 endo tips	Normal pack 9 g (5 mL) automix syringe, blue mixing tips, blunt / tapered, 10 tips each, 6 intraoral tips, 4 endo tips	Visalys® CemCore Try In Paste (1.4 mL) syringe, 5 application tips
Visalys® CemCore, Universal (A2/A3)		REF 13570	REF 13572	REF 13592
Visalys® CemCore, Opaque		–	REF 13573	REF 13593
Visalys® CemCore, Translucent		–	REF 13574	REF 13590
Visalys® CemCore, Bleach		–	REF 13575	REF 13591
Visalys® CemCore, Dark (A4)		–	REF 13576	REF 13594

4-mL-bottle		Visalys® Tooth Primer		Visalys® Restorative Primer
1 x 4-mL-bottle		REF 13580		REF 13581

10-mL-bottle	
Identium® Adhesive	REF 14204
Panasil® Adhesive	REF 14101
Mucopren® Adhesive	REF 14203





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