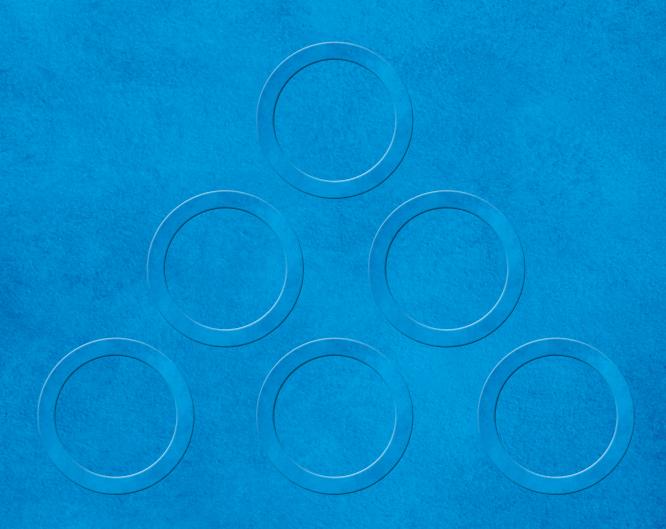
# KETTENBACH DENTAL PRODUCTS 2025









## FLUORIDE VARNISH IN A NEW DIMENSION

**Profisil**<sup>®</sup> Fluoride Varnish contains 5% sodium fluoride (22,600 ppm) in a mucosa-friendly gel with a pleasant taste. The unique dimethicone gel base adheres securely to the tooth surface for several hours, releasing fluoride ions for up to 24 hours.









- Adheres immediately and securely to the tooth surface for several hours >>> thanks to the unique dimethicone gel base
- Easy to apply while providing optimal adhesion to the tooth
- Suitable for all age groups including children with primary teeth
- Transparent and colorless after application, for optimal esthetics







- No prior drying of teeth necessary
  - Adheres instantly and doesn't drip
  - Can be applied in any direction and reaches all areas
  - O No solvent >>> no clumping or drying out
  - A single dose is sufficient for treating all teeth in both dental arches



## PROFISIL® FLUORIDE VARNISH



## PROFISIL® IN A VIDEO





Creates a silky smooth surface and an instant pain-free, refreshing feeling in the mouth!





### **YOUR PATIENTS** WILL BE CONVINCED BY:

- Pain relief after treating hypersensitivities
- Exceptionally refreshing feeling in the mouth and noticeably smooth teeth – especially after professional teeth cleaning
- O Protective layer for the tooth surface
- No burning and no bitter aftertaste >> without ethyl alcohol
- O Non-allergenic formula
- Choice between

MINT

**BERRY** 

UNFLAVORED





## SHADE MATCHING MADE EASY – VISALYS® FILL

## With your esthetic skills, restorative fillings can be a piece of art

**Visalys® Fill** is a light-curing universal nano-hybrid filling composite, which impresses with user-friendly handling and fantastic mechanical properties, as well as tooth-like esthetics. Visalys® Fill can be used for stable and long-lasting fillings due to its high proportion of inorganic fillers.



### Low water absorption

- O Water absorption: 12.3 μg/mm<sup>3</sup>
- O Prevents discoloration of fillings
- O For long-lasting esthetics

### **Outstanding mechanical properties**

- O High filler content: 87%
- O Excellent flexural strength: 147 MPa

### Very high inorganic filler content

- O For good stability that lasts
- O For excellent compatibility due to high biocompatibility

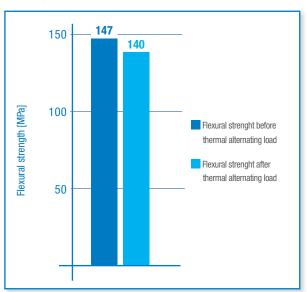
#### Low shrinkage

- O Shrinkage: 2.2 vol.% (method: Archimedes)
- O For long lasting restorations
- O For anchoring the filling in the tooth cavity
- Reduces the risk of marginal gaps and secondary caries



### Flexural strength before and after thermal alternating load<sup>1)</sup>

Even after repeated thermal treatments the flexural strength is scarcely reduced.





The FLEX SHADE SYSTEM allows you to work efficiently with just 7 SHADES for esthetic restorations





### **VISALYS® FLOW**

**Visalys® Flow** is a light-curing universal nano-hybrid filling composite, which impresses with its thixotropic behavior and fantastic mechanical properties, as well as its tooth-like esthetics. Due to its excellent flow properties, and thanks to its self-leveling effect and low shrinkage, Visalys® Flow is ideal for use as a liner.



### Low water absorption

- O Water absorption: 15.3 μg/mm<sup>3</sup>
- O Prevents discoloration of fillings
- O For long-lasting esthetics

### **Outstanding mechanical properties**

- O High filler content: 80%
- O Excellent flexural strength: 112 MPa

### Very high inorganic filler content

- O For good stability that lasts
- O For excellent compatibility due to high biocompatibility

#### Low shrinkage

- O Shrinkage: 6.3 vol.% (method: Archimedes)
- O For long lasting restorations
- O For anchoring the filling in the tooth cavity
- O Reduces the risk of marginal gaps and secondary caries

### **Inorganic Percentage**

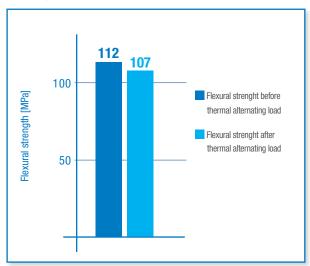


**77.1**% Visalys° FLOW

More **Glass** than **Plastic** 

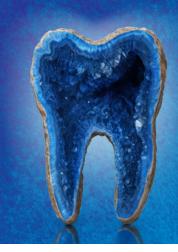
### Flexural strength before and after thermal alternating load<sup>1)</sup>

Even after repeated thermal treatments the flexural strength is scarcely reduced.









## STRIKINGLY ESTHETIC VISALYS® BULK FLOW

### Convincing esthetics with Bulk composites

**Visalys® Bulk Flow** behaves like a flow, but is stable and modelable like a fill. The material is a light-curing, flowable nano-hybrid bulk filling composite for fillings of up to 4 mm. It exhibits exceptional stability and high radiopacity. Low shrinkage forces ensure a secure bond. The material adapts excellently to the cavity walls, reducing the risk of marginal gaps and discoloration for long-lasting restorations. It combines efficiency, stability and esthetics.





#### Efficiency in a few steps

- O Very good physical properties
- O Fills cavities of up to 4 mm
- No overcapping necessary

### **Convincing esthetics**

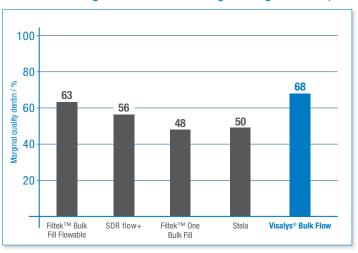
- One Shade System
- O Chameleon effect with just one universal shade
- O High covering capacity from a depth of cure of 3 mm

#### Stability with high flexibility

- Thixotropic consistency
- O Behaves like a flow, but stable and modelable like a fill
- Excellent adaption to the cavity walls

### Marginal quality on dentin

Overview chewing simulator with Marburg chewing simulator (TCML)\*



\* Measurements by Prof. Roland Frankenberger, University of Marburg, 2024.

Thermo-mechanical cycling: 1.000.000 cycles of 50 N, 25.000 thermal cycles (5/55 °C), 264 teeth (n=8), MOD Class II.







## HIGHLY IMPACTFUL -**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 longterm temporary restorations based on a multifunctional acrylic composite. Low shrinkage ensures well-fitting and tension-free temporary restorations, from crowns or bridges to inlays/onlays to highly esthetic veneers.





#### **Outstanding reliabilty**

- O Exceptional fracture resistance & very good marginal stability
- O Also suitable for long-term temporary restorations

### **Easy handling**

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

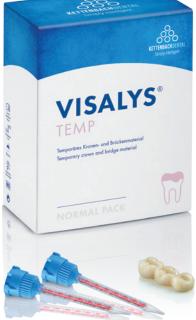
### High esthetics and reliabilty

- O High natural sheen, easy to polish even without pastes or varnish
- O Tooth-like translucence and opalescence
- O Free of bisphenol A, a bonus for our health and our environment
- O Available in A1, A2, A3, A3.5, B1, BL















## ON THE SAFE SIDE – 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.



### Safe and simple for highly esthetic restorations

- Cementation of all dental restorations, even in the highly esthetic anterior region
- O 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
- O All components are free of bisphenol A
- O 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
- O Secure adhesion thanks to our Active connect technology
- O Suitable also for creating core build-ups: Easy and safe even in difficult situations.









## STABLE RESULTS – VISALYS® CORE

## Reliable adhesive bond for durable restorations.

**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 ability to control the stability of 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
- O 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

- Without any additional activator
- Can be used with conventional adhesives: regardless whether lightcuring or dual-curing, one-step or multi-step system
- O Possible due to the patented Active-Connect-Technology (ACT)

### Simple and reliable working

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







## TRUST IN PRECISION – 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 as well as a kneadable putty material all based on A-silicone.







### **User advantages**

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

### **Product properties**

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

### **Benefits for the dentist**

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

### **Economical and safe**

Intuitive: simple handling







### **PANASIL®**

## 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

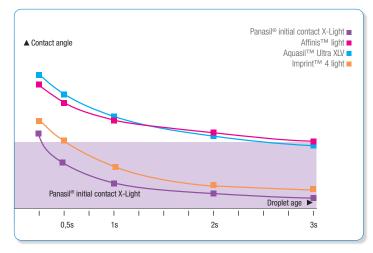


In a study\*, A-silicones and polyether were tested with respect to their wetting properties using video and high resolution contact angle measurements during the working time.

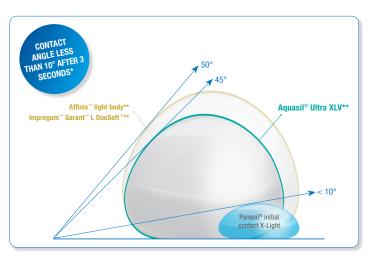
On the basis of initial hydrophilicity (quantified via the initial contact angle) and hydrophilic kinetics (spreading capacity of the water drop), both initial hydrophilic and high hydrophobic A-silicones were observed.

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.

#### **Attains top values fastest**



Kettenbach Dental Internal Measurement R&D, according to the basis of respective DIN/ISO standard measurement specifications.



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.

<sup>\*</sup>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.

<sup>\*\*</sup> Affinis Light™, Aquasil Ultra XLV™, and Impregum™ are not registered or trademarked by Kettenbach Dental





## COMFORTABLE AND PRECISE – 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 double-mix or monophase impression technique.



### **Greatest precision**

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

### **Advantages**

- O Economical and safe due to it's simple handling
- O Time saving. The fast-setting variants can be removed from the patient's mouth after just 3:30 minutes.

#### More comfortable for user and patient

- O Easy removal from the mouth
- O Low risk of breakage in model fabrication
- Neutral in odour and taste
- O Short intraoral setting time guarantees less distortion during the setting phase
- O Significantly reduced gag reflex

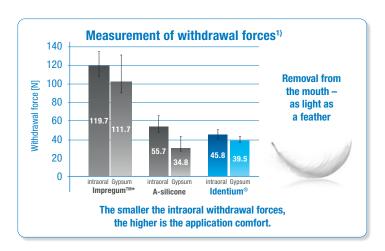






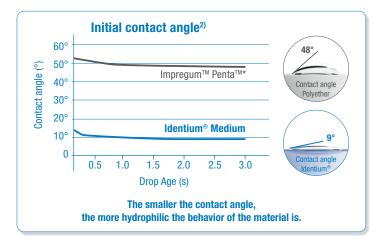
### **IDENTIUM®**

## 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. Normally, even if the impression area is carefully dried, a certain residual moisture will remain that negatively impacts the precise reproduction of details. The parameters of 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 maintain it throughout the entire working time.

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





## RELIABLY TRANSFERRED - VSXE® ONE

Start now with **VSXE® One,** specifically designed for monophase impressions, such as implant impressions. What sets VSXE® One apart, aside from its unique name, is its explicit focus on fixation impressions, with its product properties precisely tailored to this application.

### **VSXE® ONE, THE NEW ULTIMATE FORMULA:**



### **VIGOROUS**

Secure transfer due to **exceptionally high final hardness (Shore A 65)**, ensuring the reliable fixation of implant posts.



### **SEAMLESS**

Excellent flowability resulting from the formulation's unique combination, providing **optimal coverage** of transfer posts.







### **VSXE®** ONE

### **Indications / Techniques**

**VSXE®** One is optimized for:

- O Implant impressions
- O Fixation impressions
- O Functional impressions







### X-FORMULA

**Extended working time** (2:30 min.) and **quick setting time** (5:15 min.), preventing potential deformations during the setting phase and promoting **patient comfort**.



### **EFFORTLESS**

**Easy removal** from the model and the patient's mouth, safeguarding against unintended extractions.

### = Your **#ONE** for monophase impressions!

- Strong thixotrophy for an ideal pressure build-up
- Neutral in odour and taste for the well-being of the patients
- Stable in storage over a long period of time for repeated pouring of the impression
- No workflow change in the practice or in the laboratory





## EFFICIENT IMPRESSIONS **SILGINAT®**

### The new standard for taking preliminary impressions.

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



#### **User advantages**

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

### **Product properties**

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

### Benefits for the dentist

- O Take advantage of all the benefits by using the same material for the anatomical impression and the opposing jaw impression optimally coordinated
- O Can be poured several times, even after a long period of storage
- O Ideal impression material for the fabrication of temporary restorations and splints
- Standardized, hygienic procedures in line with quality management

### **Economical and safe**

Intuitive: simple handling

Dimensionally stable several times



SILGINAT'

SILGINAT'













## BITE REGISTRATION MADE EASY - FUTAR®

# Seven 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**

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

### **Benefits for the dentist**

- Non-slumping, easy handling during application, removal and alignment
- Quick-setting characteristics save time in practice
- O Consistently top quality from the market leader = complete reliability of a precision bite registration
- Elastomeric, stable storage, can be cut or trimmed, very thixotropic

#### Available in

- O Hard (Shore A 90) or extra-hard (Shore D 43) material
- Fast, extra-fast or extra-long working time
- O Short or extra-short intraoral setting time







## SO ADHERENT – MUCOPREN® SOFT

### Holds to its promises

**Mucopren® Soft** is a soft long-term relining material for removable dentures based on A-silicone for direct and indirect application. The material is also very useful for many other indications, like relieving the operation site after placing implants, for compensating areas of mucous membrane with varying degrees of resiliency and also for relieving sharp bony ridges.





#### **User advantages**

- O Resistant to contamination<sup>1)</sup>
- O Can be precisely trimmed
- Excellent bond strength to the denture
- O For direct and indirect application
- Simple handling

#### **Product properties**

- O Excellent adhesion to acrylic dentures through patented Mucopren® Adhesive
- O Smooth, hydrophobic silicone surface<sup>1)</sup>
- O Silicone-based sealing
- O High tear-resistance

#### **Benefits for the dentist**

- O Optimum requirements for hygienic denture conditions
- O Long period in situ and comfort
- O Modern material characteristics ensure easy, reliable handling









### ADHESIVE REMOVER

### Removes adhesive residues and impression materials effortlessly

The new Adhesive Remover is THE solution for easy removal of troublesome adhesive residues from impression trays. Suitable for all Kettenbach Dental impression and relining materials.



#### **Various applications**

O Easy removal of silicone impressions from metal trays:

Wet the interface between the impression material and impression tray with the Adhesive Remover. Then remove the impression material from the impression tray. Use a metal instrument (spatula) and wet the interface again to facilitate removal.





O Removing adhesive residues effortlessly from metal travs Apply the Adhesive Remover generously with a brush to the

contaminated impression tray and then wipe with a dry cloth. In case of heavy contamination, repeated use may be necessary. Rubbing in the Adhesive Remover with the brush facilitates the cleaning process.





Wet the interface between the relining material and denture base with the Adhesive Remover. If there is not enough contact surface for the Adhesive Remover, a notch in the relining material may be helpful. Then remove the relining material from the denture base. Use a metal instrument (spatula) and wet the interface again to facilitate removal. Before relining the denture base again, the surface must be roughened, rinsed and dried.



The perfect addition to Mucopren® Soft!

Dynamic mixers white



45 tips REF 17900

380 mL cartridge 5:1	Intro pack (1 x 380 mL)	Refill pack (2 x 380 mL)
Silginat <sup>®</sup>	_	REF 14713
Silginat® Strawberry	_	REF 14715
Identium® Medium / Identium® Medium Fast	-/-	REF 14717 / REF 14719
Identium® Heavy / Identium® Heavy Fast	-/-	REF 14725 / REF 14727
Panasil® monophase Medium	_	REF 14709
Panasil® binetics Putty Fast	_	REF 14701
Panasil® binetics Putty Soft	_	REF 14703
Panasil® tray Fast Heavy	_	REF 14705
Panasil® tray Soft Heavy	_	REF 14707
VSXE® One	REF 14732	REF 14733

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 grey, Ø 4.2 mm



50 tips REF 17226 100 tips REF 17240

Intraoral tips transparent, Ø 0.6 mm



100 tips REF 17259

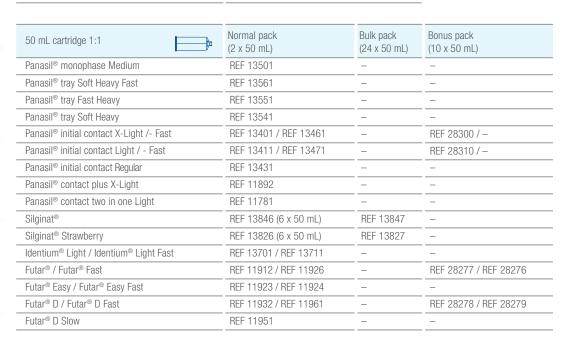
Mixing tips white, Ø 6.5 mm



50 tips REF 17234 100 tips REF 17235

Intraoral tips white, Ø 1.0 mm





Mixing tips white, Ø 6.5 mm



50 tips REF 17234 100 tips REF 17235

Mixing tips orange, Ø 3.2 mm



50 mL cartridge 1:1	
Mucopren® Soft Normal pack	REF 15687 2 x 50 mL Mucopren® Soft, 6 mixing tips white
Mucopren® Soft Basic set	REF 28105 50 mL Mucopren® Soft, 50 mL Mucopren® silicone sealant, 10 mL Mucopren® Adhesive, 6 mixing tips white, 16 mixing tips orange, 1 brush holder, 20 single-use brushes, 1 steel bur, accessories
Mucopren® silicone sealant	REF 15686 1 × 50 mL Mucopren® silicone sealant, 8 mixing tips orange

1 x 4 g syringe/

Application tips, black



100 tips REF 1505099

Application tips, black



50 tips, ø 0.9 mm REF 15022 50 Tips, ø 1.2 mm REF 15023

Mixing tips blue-orange, Ø 3.2 mm



50 tips REF 13789

Mixing tips yellow, short,



50 tips REF 17230

Intraoral tips yellow, short, Ø 0.6 mm



50 tips REF 17225

Mixing tips brown, Ø 2.5 mm



1 x 1.8 g syringe/ 15 x 0.25 g caps	1 x 4 g syringe	1 x 1.8 g syringe, 5 application tips	15 x 0.25 g caps
Visalys® Fill A1	REF 1500299	_	REF 1501299
Visalys® Fill A2	REF 1500399	_	REF 1501399
Visalys® Fill A3	REF 1500499	_	REF 1501499
Visalys® Fill A3.5	REF 1500599	_	REF 1501599
Visalys® Fill A4	REF 1500699	_	REF 1501699
Visalys® Fill OA2	REF 1500799	_	REF 1501799
Visalys® Fill BL	REF 1500899	_	REF 1501899
Visalys® Flow A1	-	REF 1503099	_
Visalys® Flow A2	-	REF 1503199	_
Visalys® Flow A3	-	REF 1503299	-
Visalys® Flow A3.5	_	REF 1503399	_
Visalys® Flow A4	-	REF 1503499	_
Visalys® Flow OA2	-	REF 1503599	
Visalys® Flow BL	-	REF 1503699	_

Syringe

Syringe

1 x 2 g syringe/ 15 x 0.25 g caps/ 2 x 0.25 g caps	Syringe 1 x 2 g syringe 5 application tips	Caps Intro pack 2 x 0.25 g caps	Caps 15 x 0.25 g caps
Visalys® Bulk Flow	REF 15064	REF 15067	REF 15066

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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

Mixing tips blue, Ø 2.5 mm



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

Intraoral tips transparent, Ø 0.6 mm



100 tips REF 17259

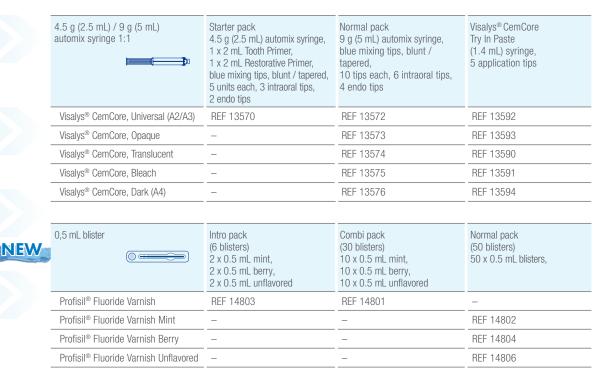
Endo tips transparent, Ø 0.9 mm



50 tips REF 17224

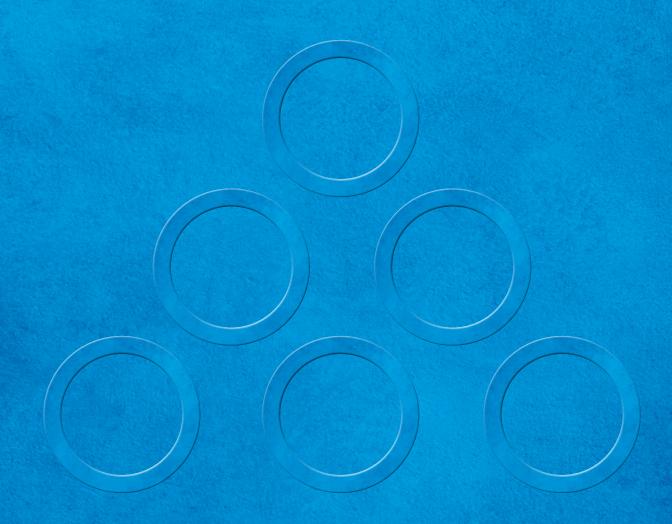
Intraoral tips transparent, Ø 1.2 mm





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
_	Universal Adhesive	REF 14206
V	Adhesive Remover	REF 14207



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