Catalog

Impression materials & restorations

Bisico® Bielefelder Dentalsilicone GmbH & Co. KG

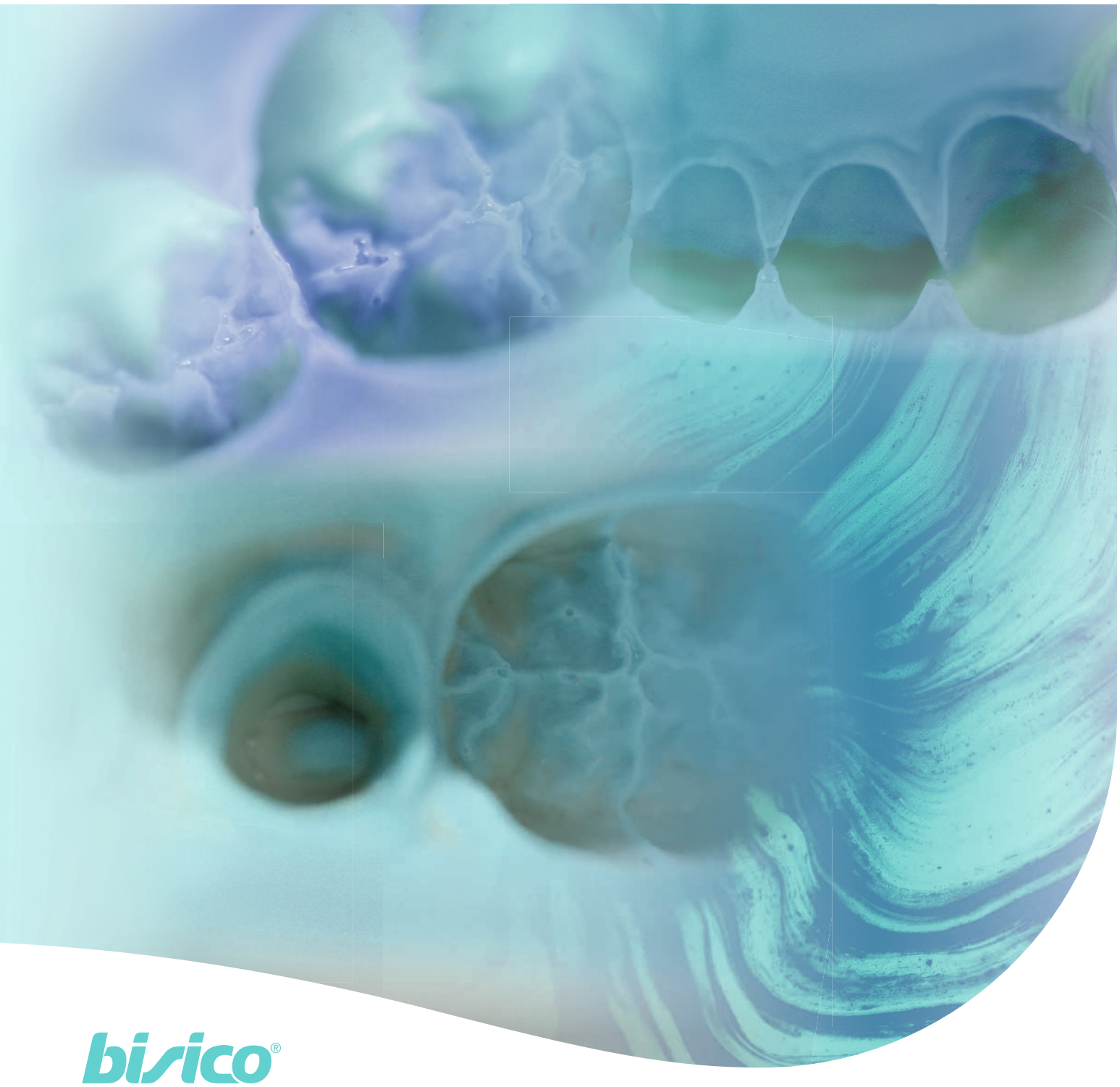


bisico®

Impressions

Product catalogue Impressions

Bisico® Bielefelder Dentalsilicone GmbH & Co. KG



bisico®

History

Bisico, Bielefelder Dentalsilicone GmbH & Co. KG, is a family-run company which was founded in 1970 by the master dental technician Horst Ludwigs in Bielefeld. In 1999, the business was transferred to Maike Wassmann, the founder‘s daughter.

From the initial product line based on a small range of condensation-curing silicones came a comprehensive range of high-quality consumables for the dentist and the dental laboratory. Bisico was one of the first companies to produce silicones for impressions. The product range today includes impression materials with a polyvinyl siloxane base, products for temporary restoration, high-quality materials for modern dental fillings, and modern bleaching materials. Since the company was already operating internationally at the very start, it developed into a global supplier. Satisfied dentists and dental technicians in more than 50 countries work with Bisico materials every day.

Video



High quality standard

We are able to guarantee a consistently high standard of quality for our customers thanks to many years of close collaboration with our suppliers. In doing so, we place great value on „Made-in-Germany“ for all of our products. Adherence to this high standard is demonstrated by the compliance of our quality management system in accordance with DIN EN ISO13485:2021 as well as certification according EU-Medical-Device-Regulation (EU) 2017/745.



Reliable service

As a direct supplier, personal contact with our customers plays an important role. Our in-house service as well as our qualified sales representatives will be happy to advise you and are always available to discuss your issues and needs.

Our opening-hours:
Monday to Thursday: from 8 am to 5 pm German time
Friday: from 8 am to 3 pm German time

TABLE OF CONTENTS

Impression taking

5 How to use
7 Addition-curing tray materials
10 Addition-curing correction silicones
12 Accessories

Total prosthetics

16 Impression silicones
18 Ludwig technology
19 Accessories

Bite registration

21 Silicones
22 Accessories

Laboratory products

24 Silicone
24 Soft relining
25 Light-curing tray material
25 Gum mask
26 Duplicating silicone
26 Metal Primer

Impression taking

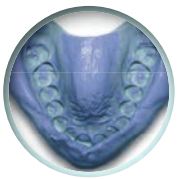
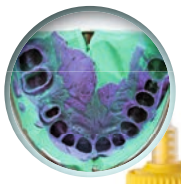
A precise impression is the basis for
for any dental prosthesis.



HOW TO USE

Bisico impression silicones are characterised by their superior quality and reliability. Within the Bisico product family you will find perfectly matched, innovative materials for all common impression techniques and indications. Thanks to decades of experience, our addition-curing silicones offer the highest precision and exceptional dimensional stability. Impressions remain stable even after several weeks, making them ideal for extended shipping times.
Another key advantage of Bisico silicones is their pronounced snap effect - they offer a long working time combined with a short setting time. This ensures stress-free application and optimal impression results. „Made in Germany“ stands for outstanding quality that is recognised and appreciated worldwide.

DOUBLE IMPRESSION TECHNOLOGY



S1 soft
kneadable / softputty

S1 suhy
kneadable / softputty

Compress putty
kneadable / softputty

Compress heavy
heavy-bodied / heavy

Precision
heavy-bodied / heavy

+



S2 suhy
medium-bodied / medium

S4 suhy
light-bodied / light

DOUBLE MIX TECHNOLOGY



S1
kneadable / softputty

S1 suhy
kneadable / softputty

Compress putty
kneadable / softputty

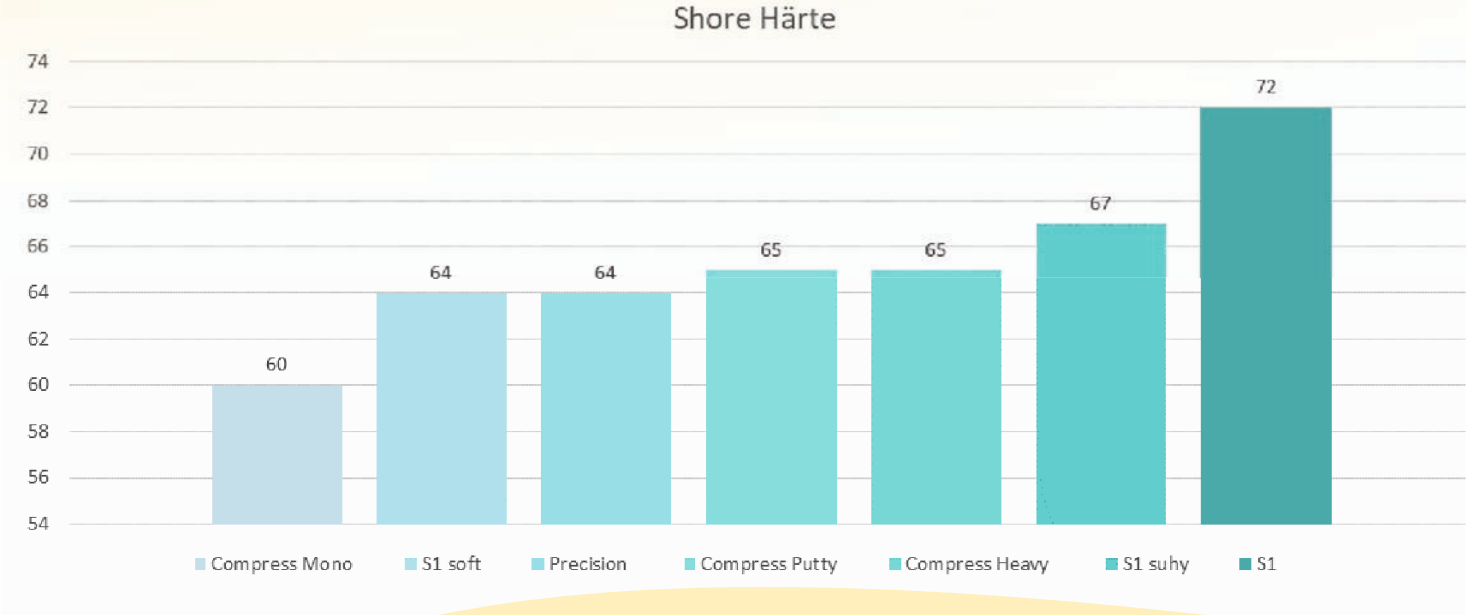
S4 suhy
light-bodied / light

MONOPHASE IMPRESSION



Compress mono
medium-bodied / medium

Precision
heavy-bodied / heavy



ADDITION-CURING TRAY MATERIALS

S1

kneadable / putty

Kneadable preliminary impression material for use in the classic double impression technique.

Thanks to its firm mixing consistency, the material shows an especially high stability during the impression process. High elasticity and recovery on removal and contour accuracy during the model making process are ensured. Due to its final hardness of 72 shore A, Bisico® S1 is ideal for making preliminary impress according to the double impression technique.

› **Recommended correction silicones:**
Bisico® S4 or Bisico® S4 suhy



TECHNICAL DATA

Consistency: kneadable/putty
Colour (A/B): white/ochre-yellow
Linear shrinkage: < 0,1 %
Mixing time: 30 sec.
Working time (incl. mixing time): approx. 2:00 min.
Setting time in the mouth: < 3 Min.
Final hardness: approx. 72 shore A
Standard: ISO 4823, Type 0, very high consistency

PACKAGING

600 ml
(2 x 300 ml)
Art.-No.: 01120

S1 soft

kneadable / softputty

Kneadable silicone impression material for use in the double mix technique.

Bisico® S1 soft is characterised by an especially soft mixing consistency and a final hardness of 64 shore A. The impression is effected without using exessive compression pressure, it is of top quality and can be taken in ready-made or individual impression trays.

› **Recommended correction silicones:**
Bisico® S4 suhy oder Bisico® S2 suhy



TECHNICAL DATA

Consistency: kneadable/soft putty
Colour (A/B): white/yellow
Linear shrinkage: < 0,1 %
Mixing time: 30 sec.
Workingtime (incl. mixing time): approx. 2:00 min.
Setting time in the mouth: < 3 min.
Final hardness: approx. 64 shore A
Standard: ISO 4823, Type 0, very high consistency

PACKAGING

600 ml
(2 x 300 ml)
Art.-No.: 01060



S1 suhy

kneadable / putty

Bisico® S1 suhy is a kneadable, superhydrophilic silicone impression material specially developed to meet the requirements of the double mix and double impression technique. With its unique combination of smooth initial consistency and final hardness of 67 Shore A, S1 suhy offers universal applicability and exceptional results.

ADVANTAGES

- ☑ **Perfekte quality:**
  The extremely strong hydrophilicity of the material ensures excellent wetting of all areas, even in difficult anatomical structures. This guarantees precise and detailed impressions.
- ☑ **Maximum efficiency thanks to the snap effect:**
  - Long processing time enables stress-free work.
  - Short curing time significantly reduces stress for the patient.
- ☑ **Outstanding material properties:**
  - Excellent resilience after deformation, enabling precise reproduction even of details
  - High dimensional stability
- › **Recommended corrective silicones:** : Bisico® S4 suhy or Bisico® S2 suhy

DELIVERY FORM

600 ml
(2 x 300 ml)
Art.-No.: 01090

TECHNICAL DATA

Consistency: kneadable/ softputty
Colour (A/B): white/grey-green
Linear shrinkage: < 0,1 %
Mixing time: 30 sec.
Working time (incl. mixing time): approx. 2:00 min.
Setting time in the mouth: < 3 Min.
Final hardness: approx. 67 shore A
Standard: ISO 4823, Type 0, very high consistency

Video

Precision

heavy-bodied / heavy

Bisico® Precision is a universally applicable, heavy-bodied impression material in a practical 75 ml cartridge, which impresses with its versatility and user-friendliness. With its special consistency and optimized final hardness, it is suitable for a wide range of impression techniques and indications without the need for a separate correction silicone.

Bisico® Precision offers ideal solutions for:

- Double mixing technique in the individual tray
- Telescopic and attachment work
- Implant impressions
- Basic corrective impression in full denture prosthetics
- Triple tray impressions for partial impressions

Thanks to the practical 75 ml cartridge and the option of dispensing the material with a dispenser, Bisico® Precision is also ideal for impression work outside the dental practice. The practical cartridge and the easy-to-use dispenser make transportation and application particularly practical and efficient.

› **Recommended corrective silicones:** : Bisico® S2 suhy or Bisico® S4 suhy



DELIVERY FORM

4x 75 ml
(incl. 16 mixing-tips green)
Art.No.: 71370
3 x 50 ml
(incl. 9 mixing-tips green)
Art.No.: 71375

TECHNICAL DATA

Consistency: heavy-bodied/ heavy
Color: orange
Linear shrinkage: < 0,1 %
Mixing time: n.a.
Working time (incl. mixing time): approx. 2:00 min.
Setting time in the mouth: < 3 Min.
Final hardness: approx. 64 shore A
Standard: ISO 4823, Typ 1, high consistency

Compress putty

kneadable/putty

Bisico® Compress Putty is a unique, hydrophilic silicone impression material for use in standard 5:1 mixers. It is ideal for all common impression techniques and offers exceptional flexibility and precision.



ADVANTAGES

- ☑ **Unique consistency:**
  Compress Putty can be kneaded or injected from the cartridge. After dispensing, the material can be manually molded in the impression tray if desired.
- ☑ **Maximum efficiency thanks to the snap effect:**
  - Long processing time enables stress-free work.
  - Short curing time significantly reduces stress for the patient.
- ☑ **Outstanding material properties:**
  - High dimensional stability and minimal shrinkage ensure precise results.
  - High elasticity
- ☑ **Bright color for improved control:**
  The attractive bright colouring improves visual quality control and makes work easier.
- ☑ **Compatibility:**
  BISICO® Compress putty can be used in combination with all light-bodied BISICO® correction silicones

DELIVERY FORM

380 ml
(incl. 10 dynamic mixing tips 5:1, 1 fixation ring)
Art.-No.: 05230

TECHNICAL DATA

Consistency: kneadable/putty
Colour: green
Linear shrinkage: < 0,1 %
Mixing time: n.a.
Working time: 1:30 min.
Setting time in the mouth: < 3 min.
Final hardness: approx. 65 shore A
Standard: ISO 4823, Typ 0, very high consistency

Compress heavy

heavy-bodied/heavy

Bisico® Compress Heavy is a highly viscous, hydrophilic silicone impression material for the double-mixing technique that has been specially developed for use in standard 5:1 mixing devices.



Thanks to its exceptional material properties, Compress Heavy offers a perfect combination of stability, precision and flexibility.

ADVANTAGES

- ☑ Highest dimensional stability
- ☑ Flexible in use, can be used for almost any impression technique
- ☑ Low stress on the patient due to short curing time
- ☑ Attractive, bright color setting to improve the visual quality control
- ☑ Can be used in comnination with all Bisico correction silicones

DELIVERY FORM

380 ml
(incl. 10 dynamic mixing tips 5:1, 1 fixation ring)
Art.-No.: 05210

TECHNISCHE DATEN

Consistency: heavy-bodied/heavy
Colour: yellow
Linear shrinkage: < 0,1 %
Mixing time: n.a.
Working time: 2 min.
Setting time in the mouth: < 3 min.
Final hardness: approx. 65 shore A
Standard: ISO 4823, Typ 1, high consistency

Compress mono

medium-bodied / medium



Bisico® Compress Mono is a hydrophilic silicone impression material that has been specially developed for use in standard 5:1 mixing units. As a true monophase material, it offers a wide range of applications and enables high-precision impressions without the use of a separate correction silicone.

With Bisico® Compress Mono, you can master demanding impressions, from:

- Telescopic and attachment work
- Complex implant impressions
- Standard impressions

The soft consistency of the material also allows easy transfer to separate application syringes for precise work on the preparations.

ADVANTAGES:

- ☑ **One material - no correction silicone required:** Perfect results in just one step, ideal for monophase impressions.
- ☑ **Hydrophilic properties:** Maximum wetting for detailed and precise results even in difficult areas.
- ☑ **Easy handling:** Optimized flow properties for even coverage and controlled application.
- ☑ **Versatile in use:** Flexible use for a wide range of indications without compromising precision.

DELIVERYFORM

380 ml
(incl. 10 dynamic mixing tips 5:1, 1 fixation ring)
Art.-No.: 05220

TECHNICAL DATA

Consistency: medium-bodied/medium
Color: aubergine
Linear shrinkage: < 0,1 %
Mixing time: n.a.
Working time: 2 min.
Setting time in the mouth: < 3 min.
Final hardness: approx. 60 shore A
Standard: ISO 4823, Typ 2, medium consistency



DELIVERY FORM

380 ml
(incl. 10 dynamic mixing tips 5:1, 1 fixation ring)
Art.-No.: 05240

TECHNICAL DATA

Konsistenz: medium-bodied
Color: mint-green, mint taste
Linear shrinkage: 0,15 % (24 h)
Mixing time: n.a.
Working time: approx. 1:20 min.
Setting time in the mouth: 1:40 min.
Final hardness: approx. 45 shore A
Standard: ISO 4823, Typ 1, medium consistency

Algi-Press

medium-bodied / medium

The innovative alginate substitute with the quality of an A-silicone

Bisico® Algi-Press combines the outstanding properties of modern A-silicones with the proven advantages of classic alginates. The result is a versatile, medium-flow impression material that offers maximum precision, easy handling and comfort for the patient.

Bisico® Algi-Press is versatile and ideal for:

- Anatomical impressions
- Opposing jaw impressions
- Production of temporary restorations
- Production of splints
- Orthodontic applications

ADVANTAGES:

- ☑ **High detail sharpness and good elastic recovery:** Precise reproduction for accurate results.
- ☑ **Low shrinkage (0.15%):** High dimensional stability, even during extended storage of the impression.
- ☑ **Patient-friendly:** Short intraoral setting time, pleasant spearmint taste, and easy impression removal ensure maximum patient comfort.
- ☑ **Efficient handling:** Homogeneous, automatic, fast, and dust-free mixing.

ADDITION-CURING CORRECTION MATERIALS

S4 suhy

low consistency/ light

Bisico® S4 suhy is an addition-curing, superhydrophilic, fine-flowing corrective impression material that has been specially developed for all impression techniques. Its outstanding flow and impression properties guarantee precise results, even in demanding clinical situations.



DELIVERY FORM

3 x 50 ml
(incl. 18 mixing tips yellow, 10 IOT yellow)
Art.-No.: 71430
6 x 50 ml
(incl. 30 mixing tips yellow)
Art.-No.: 71440
10 x 50 ml
(incl. 50 mixing tips yellow)
Art.-No.: 71445

ADVANTAGES:

- ☑ **Optimal Flowability:** The material flows precisely into all critical areas, preventing air entrapment and capturing even the finest details with high accuracy.
- ☑ **Superhydrophilic Formula:** In the moist dental environment, S4 suhy exhibits exceptional affinity for wetted surfaces such as mucosa and teeth, as residual fluids are effectively displaced by compression pressure.
- ☑ **Thixotropic Consistency:** The special material property prevents unintended flow of the applied material, even in hard-to-reach areas.
- ☑ **Reliable Precision:** Perfect adaptation to complex anatomical structures ensures an exact reproduction of the preparation.

TECHNICAL DATA

Consistency: low consistency/light
Color: violett
Linear shrinkage: < 0,1 %
Mixing time: n.a.
Working time: 2 min.
Setting time in the mouth: < 3 min.
Final hardness: approx. 50 shore A
Standard: ISO 4823, Typ 3, low consistency

S2 suhy

medium consistency / medium



DELIVERY FORM

Tubes 2 x 100g
Art.-No.: 01160
Cartridges 3 x 50 ml
(incl. 18 mixing tips yellow, 10 IOT yellow), Art.-No.: 71730
Cartridges 6 x 50 ml
(incl. 30 mixing tips yellow),
Art.-No.: 71210

Bisico® S2 suhy is an addition-curing, superhydrophilic correction impression material with medium flowability, specifically developed to meet the demands of modern dentistry. Its outstanding material properties make it the ideal choice for the double-mix technique.

ADVANTAGED:

- ☑ **Superhydrophilic Formula:** Excellent surface wetting for precise detail reproduction, even in moist oral environments.
- ☑ **Thixotropic Consistency:** Optimal stability prevents unwanted dripping and ensures reliable handling, even in challenging positions.
- ☑ **Perfect Flow Properties:** The material adapts to complex anatomical structures, ensuring highly accurate impressions.

TECHNICAL DATA

Consistency: medium consistency / medium
Color: red
Linear shrinkage: < 0,1 %
Mixing time: Tubes: 30 Sec. / Cartridges :n.a.
Working time: Tubes: 1:30 min. / Cartridges: 2 min.
Setting time in the mouth: < 3 min.
Final hardness: approx.. 55 shore A
Standard: ISO 4823, Typ 2, medium consistency

ACCESSORIES



Dispenser 50

For use with all
50 ml cartridges
(mixing ratio 1:1).

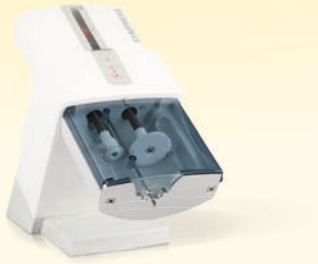
Art.-No.: 01910



Dispenser 75

For use with 75 ml
maxi-cartridges, but also
suitable for 50 ml cartridges.

Art.-No.: 01920



Sympress I

Automatic dispense and
mix device for
5:1 cartridges (compress).

Art.-No.: 20150

The new generation of mixing tips

The mixing tips for the cartridges are colour-coded. The colour of the cartridge cap corresponds to the colour of the recommended mixing tip.

The new mixing tips are significantly improved by a more compact design.

- ☑ Optimized, more homogeneous mixing results
- ☑ Higher application reliability
- ☑ Significantly reduced waste
- ☑ 100% compatibility with the existing cartridge system
- ☑ Seal of innovative quality

DELIVERY FORM

Mixing tips yellow, 50 pieces
Art.-No.: 01950
Mixing tips yellow, 100 pieces
Art.-No.: 01955

Mixing tips pink, 50 pieces
Art.-No.: 01970
Mixing tips pink, 100 pieces
Art.-No.: 01975

Mixing tips green, 50 pieces
Art.-No.: 01980

Mixing tips dynamic 5:1, 50 pieces
Art.-No.: 01780



SUITABLE FOR:

S4 suhy S2 suhy	Precision	S4	5:1 Cartridges



Intra-Oral-Tips

The Intra-Oral-Tips are attached to the mixing tips to enable intra-oral application of the correction material directly from the cartridge. The curved shape allows inaccessible areas to be reached easily. The tips of the IOT are conically shaped. The end of the tip can be cut to enlarge the opening, thus reducing the required injection pressure substantially.

DELIVERY FORM

IOT yellow, 100 pieces
Art.-No.: 01965



Plicafol

Adaptable special space holding foil which facilitates impression-taking due to its quick and easy handling. The time-consuming job of cutting out the impression is eliminated.

The Plicafol is pre-cut in the form of a dental arch and, with the help of scissors the final shape can be achieved easily. During the preliminary impression process using a stable impression material, e.g. Bisico® S1 suhy, the Plicafol adapts to the contours of the teeth. After completion of the preliminary impression, the Plicafol is removed, leaving an exactly defined free space for the correction material.

DELIVERY FORM

100 pieces
Art.-No.: 03910

Adhesiv

Bisico Adhesive is a high-quality universal adhesive for silicone-based dental impression materials. It enables reliable adhesion between impression materials and impression trays and prevents the impression materials from detaching during removal from the oral cavity.

DELIVERY FORM

10 g Adhesiv, 10 Disposable brushes
Bonding agent for impression trays
Art.-No.: 08210
Bag of disposable brushes, 25 pieces
Art.-No.: 01808



Complete dentures prosthetics

Perfect border moulding and precise functional impressions – for optimal positioning.



For decades Bisico® has worked intensively on complete denture issues and has developed a number of addition-curing silicones specifically adapted to the requirements of complete dentures. Our range of products allows the impression-taking of edentulous jaws by the usual procedures. Apart from the shaping of functional edges with Bisico® Function, we attach special importance to the base correction impression-taking.

Both Bisico® Mandisil und Bisico® S4 are available in tubes and can be mixed in any ratio to create intermediate consistencies, depending on the condition of the jaw. As these silicones do not have any thixotropic properties, a „floating“ correction impression of edentulous jaws which is free of pressure points can be fabricated.

In addition, we are able to provide you with our „Ludwigs-Technique“ a method for preparation of total prosthesis, comprising all steps, from the first impression to insertion of the denture. Special emphasis of the „Ludwigs-Technique“ is on the preliminary functional impression which forms the basis for the smooth functioning of a complete denture. With the „Ludwigs-Technique“, the results from each step are systematically integrated into the next step.

IMPRESSION SILICONES

Function

kneadable / putty

Bisico® Function is an addition-curing special silicone material specifically developed for functional border molding in complete dentures and distal-extension partial dentures. With Bisico Function, functional borders are designed with maximum precision and contour accuracy of the peripheral seal.

ADVANTAGED

- ☑ **Kneadable consistency:**
  Easy and precise manual shaping for an exact functional border design.
- ☑ **Efficient Application:**
  The material is evenly applied to the tray border using the included syringe and then manually adjusted—ideal for maximum control.
- ☑ **Highest Contour Accuracy:**
  Ensures precise reproduction of the peripheral seal and optimal results in functional border molding.
- ☑ **Flexible Working Time:**
  A setting time of 3:30 minutes in the mouth allows for all necessary functional movements to be performed without time pressure.

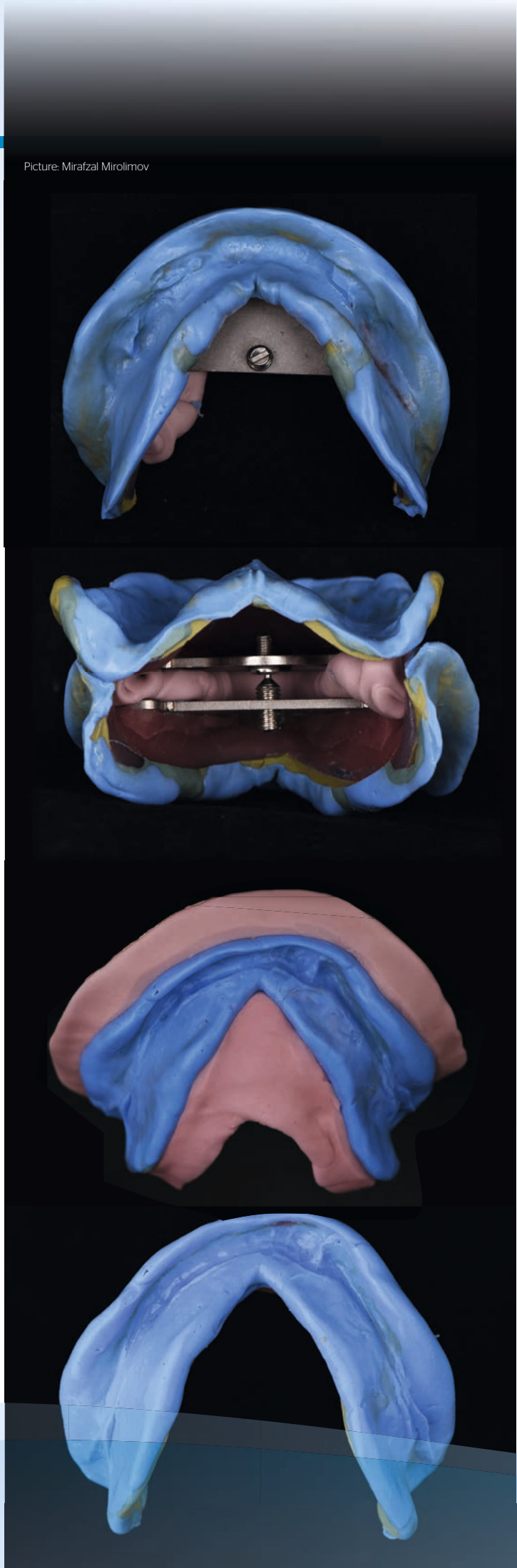


TECHNICAL DATA

Consistency: kneadable/putty
Color (A/B): white/olive-green
Linear shrinkage: < 0,1 %
Mixing time: 30 sec.
Working time (incl. mixing time): 2:30 min.
Setting time in the mouth: approx. 3:30 min.
Final hardness: approx. 60 shore A
Standard: ISO 4823, Typ 0, very high consistency

DELIVERY FORM

2 x 150 g tins
(incl. 1 application syringe, 10 g Adhesiv)
Art.-No.: 01350



Picture: Mirafzal Mirolimov

Mandisil

medium-bodied / medium

Bisico® Mandisil is an addition-curing, medium-flow special silicone specifically developed for base correction impressions in complete dentures. Mandisil is free of thixotropy and has been specifically adapted to the specific compression conditions of free-end and full dentures.



ADVANTAGES

- ☑ **Optimized Flow Properties:**
  Perfectly adapted to the specific requirements of distal-extension and complete dentures, especially in the lower jaw.
- ☑ **Custom Adaptation for Upper Jaw Impressions:**
  For the larger base area of the upper jaw, Bisico® Mandisil can be ideally combined with Bisico® S4 to achieve optimal results.
- ☑ **Medium-Flow Consistency:**
  Provides precise reproduction of mucosal conditions, ensuring maximum retention and accuracy of fit.

TECHNICAL DATA

Consistency: medium consistency /medium
Color (A/B): white/blue-green
Linear shrinkage: < 0,1 %
Mixing time: 30 sec.

Working time (incl. mixing time): 2 min.
Setting time in the mouth: approx. 3 min.

Final hardness: approx. 48 shore A
Standard: ISO 4823, Typ 2, medium consistency

DELIVERY FORM

2x100 g tubes
Art-No.: 01220
50 ml cartridge
(incl. 6 mixing tips pink)
Art.-No.: 01604



S4

low consistency / light

Bisico® S4 is an addition-curing, fine-flowing corrective impression material that is characterized by its exceptional properties. Free of thixotropy, it enables precise and detailed impressions in specific clinical applications.

ADVANTAGED

- ☑ **Free from thixotropy:**
  The material remains evenly flowing and adapts perfectly to the anatomical features of the upper jaw.
- ☑ **Versatile in use:**
  - Pressure Spot Control Impression: Enables precise identification and impression of pressure spots.
  - Base Correction Impression: Particularly suitable for the upper jaw in complete dentures.
- ☑ **Can be combined with Bisico® Mandisil:**
  Depending on the jaw conditions, a mixture of Bisico® S4 and Mandisil can achieve optimum results in the basic corrective impression.

DELIVERY FORM

2 x 100 g tubes
Art.-No.: 01260
3 x 50 ml cartridges
(incl. 18 mixing tips pink, 10 IOT white)
Art.-No.: 71700

TECHNICAL DATA

Consistency: low consistency/ light
Color (A/B): white/blue
Linear shrinkage: < 0,1 %
Mixing time: 30 sec.
Working time (incl. mixing time): 2:30 min.

Setting time in the mouth: < 3 min.
Final hardness: approx. 50 shore A
Standard: ISO 4823, Typ 3, low consistency



Perfect

kneadable / super-softputty

Bisico® Perfect is a kneadable, ultra-soft impression material based on addition-curing silicone, specifically developed for impression-taking of sensitive and soft mucosal areas. Its outstanding material properties enable highly detailed and gentle impressions, even for challenging indications.

ADVANTAGES

- ☑ **Ultra-Soft Consistency:** Perfect for precise impressions of soft mucosal areas, such as vestibular impressions in complete dentures.
- ☑ **Optimal Detail Reproduction** Ensures an exact representation of anatomical structures, including accurate lip support.
- ☑ **Functional Border Molding** Functional Border Molding: Supports precise shaping of the functional border in complete dentures.
- ☑ **Tray Material in the Dual-Mix Technique**: Ideal for use in custom trays.
- ☑ **Excellent Handling:** The kneadable consistency allows for easy, precise, and controlled application.

DELIVERY FORM

600 ml
(2 x 300 ml)
Art.-No.: 01310

TECHNICAL DATA

Consistency: kneadable/super-softputty
Color (A/B): white/green
Linear shrinkage: < 0,1 %
Mixing time: 30 sek.
Working time (incl. mixing time): 2:30 min.
Setting time in the mouth: approx. 3:30 min.
Final hardness: approx. 48 shore A
Standard: ISO 4823, Typ 0, very high consistency

ACCESSORIES



Application syringe for Bisico® Function

DELIVERY FORM

10 ml
Art.-No.: 23110



Adhesiv

DELIVERY FORM

10 g, incl. 25 disposable brushes
Art.-No: 08210

Mixing block, white

DELIVERY FORM

20 Leaf
Art.-No.: 21150



Ludwigs technology rail

to stabilize the preprint

DELIVERY FORM

5 piece
Art.-No.: 08310

Much more than just prosthetics. THE **“LUDWIGS-TECHNIQUE“**

The lower jaw denture represents one of the most important problems in dentistry. In particular, the alveolar process of the lower jaw is very often subject to accelerated atrophy, which can already be observed when the partially edentulous lower jaw is treated by inserting partial free-end dentures. Therefore, it is necessary, especially for the lower jaw, to provide the saddles of partial dentures with a maximum support surface; this means that also in the case of partial dentures the denture saddles have to be shaped in a functional way. The **„Ludwigs-Technique**“ shows that the correct functioning of a complete denture primarily depends on the quality of the impression, especially of the preliminary impression, which is used for fabricating the functional tray. The ready-made trays generally used are not adequate for fabricating a correct preliminary impression, since in most cases the unavoidable over-extensions make it impossible to identify the exact anatomic limits of the jaw. Thus the technician is not able to prepare a precise functional impression tray.

The **„Ludwigs-Technique**“ allows to take the preliminary impression in the closed mouth under functional conditions. This is ensured by using the super-hard silicone Bisico Labosil blue or Bisico Lutesil V together with the VFA steel splint. After completion of the preliminary impression, it is removed from the impression tray. The VFA steel splint, embedded in the silicone, prevents the impression from deforming. In a next step, the preliminary impression can be converted, by trimming and grinding, into a customized tray with defined margins, of which the positional stability has to be verified under functional conditions.

In this way, the necessary precision is achieved - right from the beginning. This precision is maintained consistently during the whole process:

For particularly problematic jaw conditions, the physiological functional denture is the optimal solution. This is a permanently soft-lined prosthesis, with a base material which combines extremely high elasticity and low hardness (only 25 Shore A). This prosthesis is fabricated with integrated steel reinforcement and is absolutely biocompatible. Its long-term stability of several years ensures a wearing period which is unmatched.



Bite registration

Optimal bite registration.
Quick and unbreakable.



BITE REGISTRATION SILICONE

Precision and efficiency for bite registration



Regidur® i

heavy

Regidur® i is an addition-curing, super-hard and fast-curing silicone material for bite registration.

With an impressive final hardness of approx. 90 Shore A, Regidur® i is not only suitable for bite registration in fully or partially edentulous jaws, but also for precise registration and coding in complete denture prosthetics. The material is extremely easy to rework: it can be easily processed with a knife, stone or milling machine, which guarantees efficient adaptation.

Time saving and patient comfort
Thanks to the direct application from the cartridge, Regidur® i can be placed in the mouth quickly and easily. With a maximum curing time of just 45 seconds, the treatment time is minimized and the patient is hardly burdened at all.

Precise results without compromise
The high final hardness ensures a clear occlusion of the working models - free of any disruptive spring effects. At the same time, the registration impresses with its excellent elastic properties, which significantly reduce the risk of breakage despite its hardness.

ADVANTAGES:

- ☑ **Very good to rework:** with knife, stone or cutter - without risk of breakage
- ☑ **Short setting time:** 45 seconds - Minimal stress for the patient
- ☑ **Extremely high final hardness (90 shore A):** No spring effect between the models
- ☑ **Dimensionally accurate reset**
- ☑ **Scanable**

TECHNICAL DATA

Consistency: heavy
Color: magenta
Linear shrinkage: < 0,1 %
Mixing time: n.a.
Working time (incl. mixing time): 15 sec.
Setting time in the mouth: < 45 Sek.
Final hardness: approx. 90 shore A

DELIVERY FORM

3 x 50 ml
(incl. 18 mixing tips pink)
Art.-No.: 71570
10 x 50 ml
(incl. 50 mixing tips pink)
Art.-No.: 71575



RECOMMENDATION

„Our secret for precise fits and maximum comfort: the Regidur i bite registration system from Bisico! With its outstanding properties, such as high final hardness and fracture-free finishing, it is our first choice for bite registrations!"

Dr. Levold, Dental practice Levold, Berlin

Regi-trans

medium

Regi-trans is a transparent matrix material based on addition curing vinyl silicones, which has been specially developed for precise dental impressions and individual occlusal registrations.

It enables the creation of customized transparent matrices for perfect adaptation to the tooth surface prior to preparation, e.g. for the fabrication of veneers. The transparent matrix then serves as a precisely fitting base for the light-activated restoration with high-quality composites.

In addition, Regi-trans is ideal as a transparent bite registration material that enables fast and extremely precise occlusal registration. Visual control of the occlusion during registration ensures exact adjustments. Thanks to the simple application from cartridges, Regi-trans can be applied directly to the tooth without bubbles - for reliable and high-quality results with every treatment.

TECHNICAL DATA

Consistency: medium
Color: clear - transparent
Linear shrinkage: < 0,1 %
Mixing time: n.a.
Working time (incl. mixing time): 15 sec.
Setting time in the mouth: < 2 min..
Final hardness: approx. 70 shore A

DELIVERY FORM

3 x 50 ml
(incl. 18 mixing tip green)
Art.-No.: 71900



ACCESSORIES



Dispenser 50

For processing all 50 ml cartridges
(mixing ratio 1 : 1)

Art.-No.: 01910



Mixing tips

DELIVERY FROM

Mixing tips pink, 50 pieces
Art.-No.: 01970
Mixing tips pink, 100 pieces
Art.-No.: 01975
Mixing tips green, 50 pieces
Art.-No.: 01980

Bite-Registration-Tips

For easier application of Regidur® i or Bisico® Regi-trans, the BRT is put on the pink mixing tip. Due to the flat, angled shape of the BRT, the material can be applied more precisely in the posterior dentition, even when the jaw is closed. Thus the occlusion can be monitored both before and during application of the material.

DELIVERY FORM

BRT white, 50 pieces
Art.-No.: 02100



Laboratory products

Useful consumables for dental technicians



SILICON



Labosil blue

kneadable / putty

Kneadable, addition-curing impression material. For all kinds of indexes, blocking out, fixations, fixings of occlusions, adjustments or similar applications, it is an indispensable material for laboratory work.

Thanks to its high final hardness of approx. 90 Shore A, the material is especially suitable for registrations and fixing of occlusions in the field of prosthetics. It is easy to trim with a knife, stone or bur.

TECHNICAL DATA

Consistency: putty
Colour (A/B): white/blue
Linear shrinkage: < 0,1 %
Mixing time: 30 sec.
Working time (incl. mixing time): approx. 1:50 min.
Setting time (at room temperature): approx. 3 min.
Setting time in the mouth: < 2 Min.
Final hardness: approx. 90 shore A
Standard: ISO 4823, Type 0, very high consistency

PACKAGING

600 ml (2 x 300 ml)
Art.-No.: 01010
6600 ml (2 x 3300 ml)
Art.-No.: 01020

SOFT RELINING MATERIAL



Softbase

Permanently soft denture relining material.

The most important feature of Softbase is its extraordinary long-term stability. The Softbase primer ensures an excellent connection between the denture base and the relining material. Softbase is compatible with denture materials based on PMMA or PEMA. The relining of a denture can be done intraorally or extraorally. The Softbase vamish gives the relining a high-gloss surface which is very pleasant for the patient.

TECHNICAL DATA

Colour: pink, translucent
Consistency: viscous
Mixing time: not applicable
Application time: max. 1 min.
Setting time in the mouth: approx. 4:00 min.
Setting time until finishing: approx. 8-9 min., in warm water (approx. 40°C) 5 min.
Final hardness: approx. 27 shore A

PACKAGING

Complete set
- 1 x 50 ml cartridge
- 6 mixing tips pink
- 4 ml Softbase Primer
- 2 x 5 ml Softbase Varnish
- brush set and 1 mixing pallet

Art.-No. 73810

1 x 50 ml cartridge
Art.-No. 93810
Softbase Varnish 2 x 5 ml
Art.-No. 13850
Softbase Primer 4 ml
Art.-No. 13860

LIGHT-CURING TRAY MATERIAL



Bisi-Tray

Light-curing material for the production of individual trays.

The prefabricated pink colored templates guarantee a uniform material thickness in all areas of the tray and ensure maximum stability and torsional rigidity.

Thanks to its high flexural and breaking strength, Bisi-Tray provides a reliable basis for precise work in the dental laboratory. Curing is effortless with all standard light-curing units.

A special highlight: Bisi-Tray is easy to shape without sticking to hands or tools and enables problem-free finishing with all common rotary instruments.

DELIVERY FORM

Light-protection box with 50 pieces pink
Art.-No.: 03250

GINGIVAL MASK



Gingiform

**Addition-curing scannable silicone used for fabricating flexible gingival masks in natural colour when preparing the insertion of an implant.
Thanks to its application directly out of the cartridge, Gingiform is easy to use and characterized by a high tear resistance and dimensional stability. The high final hardness of 70 Shore A makes for ideal finishing (cutting, milling).**

Due to its optimal elasticity, accurate repositioning of the gingival mask is possible.

TECHNICAL DATA

Colour: pink
Consistency: heavy
Mixing time: not applicable
Working time (incl. mixing time): approx. 1:40 min.
Setting time: approx. 4 min.
Final hardness: approx. 70 shore A

PACKAGING

Gingiform Set
- 50 ml cartridge
- 6 mixing tips yellow
- 85 ml Separator

Art.-No.: 05400

Refill 50 ml cartridge
6 mixing tips light blue, pointed
Art.-No.: 05410

Separator
Pump spray 85 ml
Separator: Silicone / Silicone
Art.-No.: 05420

DUBLICATING SILICONE



Bisico® Double

Addition-curing duplicating silicone.
Bisico® Double meets strictest high requirements concerning the production of model duplicates in the field of dentistry. Due to its mixing ratio of 1:1, its excellent elasticity and extreme tear resistance, easy handling is ensured. The hardness of approx.

22 Shore A prevents free-standing teeth from breaking during deinvestment.
Bisico® Double is suitable for mixing both by hand and by means of automatic dispensing and mixing appliances.

TECHNICAL DATA

Color: green
Linear shrinkage: < 0,1 %
Mixing ratio: 1:1
Mixing time: approx. 1 min. (not applicable when using mixing appliances)
Working time (incl. mixing time): approx. 5 min.
Setting time: 25 – 30 min.
Final hardness: approx. 22 shore A

PACKAGING

2 kg
(1 kg each of A and B component)
Art.-No.: 04010
10 kg
(5 kg each of A and B component)
Art.-No.: 04030

METAL PRIMER



Best Metal Primer

Primer on the basis of methylmethacrylates, which fabricates a good, long-term bond between acrylics / composites and all types of metal.

ADVANTAGES:

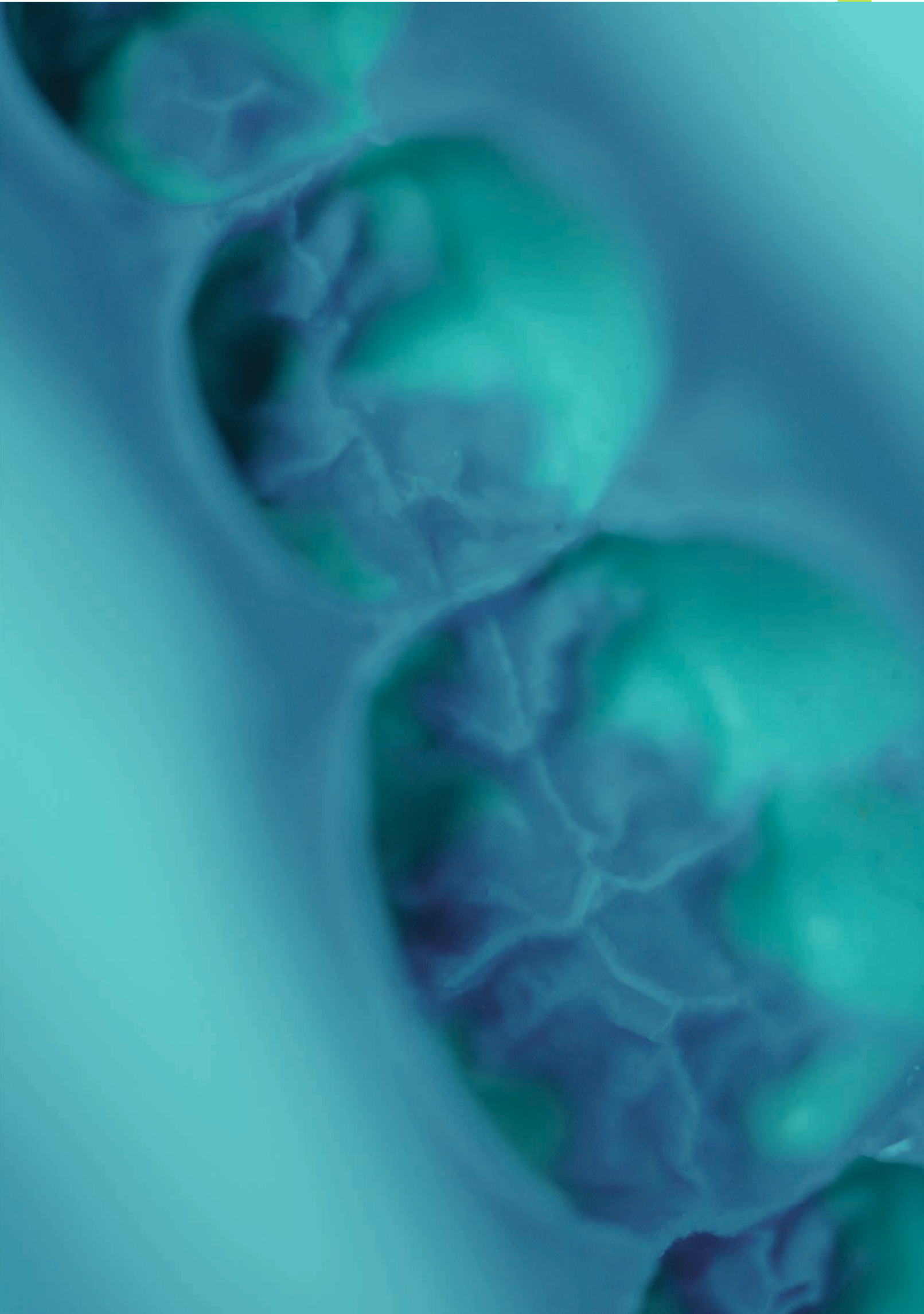
- ☑ Light curing not necessary
- ☑ Easy and quick working
- ☑ Very good adaption properties (easy application)
- ☑ Primer for metals of all kinds
- ☑ Homogeneous metal coating
- ☑ Strong adhesion between metal and composite materials

TECHNICAL DATA

Bond strength after 48 h storage at 100 °C in Mpa
Titanium 23,3
Gold 21,1
Cr-Co 22,4

PACKAGING

5 ml bottle
Art.-No.: 76000



Restoration.

Restoration Product Catalog

Bisico® Bielefelder Dentalsilicone GmbH & Co. KG



bisico®

TABLE OF CONTENT

Bondings & Etching gel

05 My Bond LC
06 E-Bond DC
06 Bond LC
07 Best Etch
07 Accessories

Composite

10 My Bio
11 My Bio flow-viscous
12 Nanofill unique
13 Nanofill unique flow
14 Nanofill n
15 Nanofill flow
16 Micro Esthetic
17 Micro Esthetic Gingiva
18 Bulk Fill
19 Repo-Core DC (Core build-up)
20 Color Stains
20 Accessories

Endodontics

22 BisiCAL (Pulp capping)
24 BisiSEAL MTA
25 BisiMTA

Cements

28 Cementime DC
28 Cem DC
29 E-Cem DC
30 Glass Cem
30 Glass Fill
30 Accessories

Temporary Materials

32 Provi Temp K
33 Provi Bond K
33 Temp S
34 Accessories

Bondings & Etching gel

Modern solutions for durable and aesthetic dental restorations



BONDINGS

My Bond LC

My Bond LC is a self-etching, light-curing one-component bonding agent for the secure and reliable luting of restorative composites on natural tooth structure and for the luting of indirect restorations made of composites and ceramics in a single step.

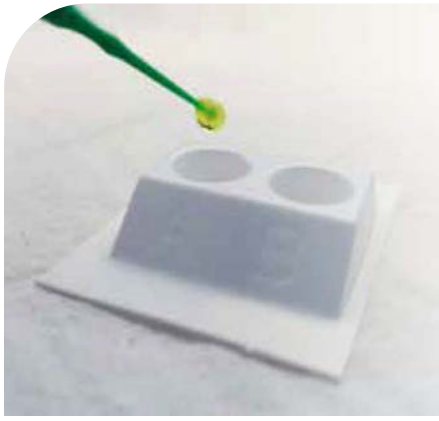
Suitable for: Self-Etch-Technique und Selective-Etch-Technique

INDICATIONS:

- Direct, light-curing composite restorations on the natural tooth.
- Core build-ups with light- and dual-curing composite.
- Indirect restorations made of composite and ceramic (inlays, onlays, veneers, crowns) with light- and dual-curing luting cements.
- Repair of fractured composite fillings.

ADVANTAGES:

- ☑ **One-component system:** Etching, priming and bonding in one step – saves time and reduces stress.
- ☑ **High security:** Optimised viscosity and thixotropy ensure an absolutely homogeneous adhesive layer to prevent „pooling“.
- ☑ **Perfect edge seal:** Long-lasting high marginal integrity between composite enamel/dentin prevents secondary caries.
- ☑ **Gentle etching:** With a pH value > 2, the risk of postoperative hypersensitivity is minimised.
- ☑ **Strong adhesion:** 26 MPa on dentin and 24 MPa on enamel guarantee durable and stable restorations.
- ☑ **Free of TEGDMA- and MMA:** My Bond LC offers good biocompatibility and protects the surrounding tissue from irritation.

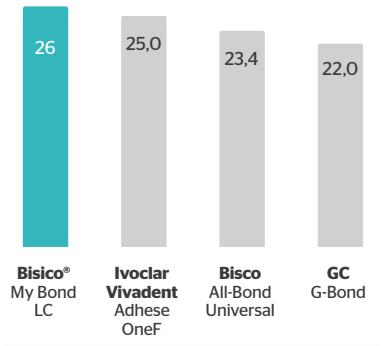


Honey-like, user-friendly consistency

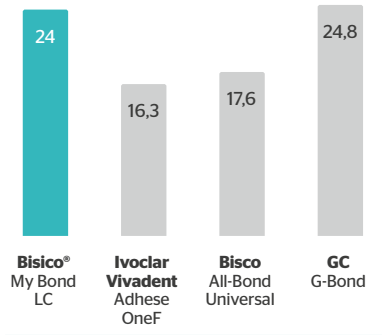
DELIVERY FORM

5 ml Bottle
incl. 1 brush holder, 25 EW brushes, Mixing modules (6-well)
Art.-No.: 75267





Shear bond strength values on dentine (MPa)



Shear adhesion values on enamel (MPa)

E-Bond DC

E-Bond DC is an innovative, easy-to-use, self-etching, dual-curing adhesive that enables a durable and strong bond of composites, compomers and resin-modified glass ionomer cements to enamel and dentin. It offers optimum adhesion values on slightly moist surfaces and can be applied in just one working step.



INDICATIONS:

- Core build-ups with dual- and self-curing composites (e.g. Repo-Core DC)
- Luting of root canal posts with dual- and self-curing composite cements (e.g. Cem DC)
- Luting of inlays, onlays, crowns and bridges with dual- and self-curing composite cements (e.g. Cem DC)
- Restorations with dual-curing, self-curing and light-curing composites

ADVANTAGES:

- ☑ **Efficiency:** Combines the etching, cleaning, bonding and desensitizing steps in one product, saving time and minimizing post-operative sensitivity.
- ☑ **Dual-curing:** Supports self-curing and light-curing materials, even in hard-to-reach areas.
- ☑ **Versatility:** Can be used in self-etch, selective-etch or total-etch techniques

DELIVERY FORM

Set with 2 x 5 ml bottles
(black and red)
- 25 EW-brushes
- 1 Brush holder
- 4 Mixed pallets, black (6-well)

Art.-No.: 75250

Bond LC

Bond LC is an easy-to-use, light-curing, one-component priming and bonding system.

Suitable for: Total-Etch Technique



Bond LC is designed to provide a strong bond between composites, compomers and metals to enamel and dentin as well as to precious and non-precious metals. Bond LC is also suitable for impregnating root canals prior to filling or cementing root posts. It can also be used as a primer for indirect bonding restorations cemented with a dual-curing cement. Bond LC is compatible with all light-curing composites currently on the market. It is ethanol based and highly hydrophilic. Therefore, Bond LC can be used on slightly moist dentin surfaces using the „wet bonding technique“.

DELIVERY FORM

5 ml Bottle
(incl. 25 brushes, 1 brush holder, 4 mixing pallets black (6-well))
Art.-No.: 75260

ETCHING GEL



Best Etch

Best Etch is an etching gel with excellent thixotropy, based on 37% phosphoric acid.

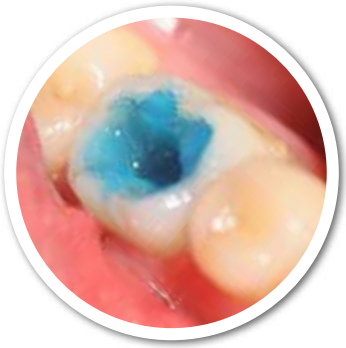
Suitable for: Selective-Etch- oder Total-Etch-Technique

The included applicator tips allow for easy and safe application to the exact areas to be etched. Blue coloration facilitates targeted application to enamel and dentin.

INDICATIONS:

- Composite fillings
- Fissure sealings
- Adhesive luting of inlays, onlays, crowns and bridges (with suitable composite cement systems)





DELIVERY FORM

2 ml syringe
(incl. 5 Appli-Tips)
Art.-No.: 75280

25 ml syringe
(incl. 50 Appli-Tips blue,
8 refill syringe 3 ml,
8 Adapter)
Art.-No.: 75282

ACCESSORIES



Appli-Tips

DELIVERY FORM

Blue, 100 pieces
Art.-No.: 01806



Mixing Pallet

DELIVERY FORM

Plastic, black, 50 pieces
with 6 deepenings
Art.-No.: 01802



Brush

DELIVERY FORM

Brush holder, blue, 1 piece
Art.-No.: 01804

Composites

Highest aesthetics (transparency, translucency, opalescence)
- with first-class finishing.



Innovative restoration solutions for efficiency and versatility – **Made in Germany**

Our comprehensive product range of dental composites offers you customized solutions for all cavity classes, enabling you to work highly efficiently. All products are perfectly matched and can be easily combined to meet your needs in any restorative situation. From flowable to packable composites, the versatility of our materials leaves nothing to be desired.

Our composites have been developed to work well with our bonding systems, ensuring reliable adhesion and long lasting quality. We recommend our proven Bisical, which forms tertiary dentin to provide additional pulp protection, especially for fillings close to the pulp. Repo-Core DC, our dual-curing flow composite, is recommended for core build-ups and root post luting as it is easy to use and extremely strong.

Trust the Made in Germany quality of our composites and benefit from a perfectly matched product range that gives you maximum flexibility and efficiency in your daily practice.



My Bio

My Bio is a light-curing, radiopaque biocomposite that meets the highest demands for physical and aesthetic properties and biocompatibility. My Bio is free from the monomers BIS-GMA (BPA), TEGDMA, HEMA and EGDMA, which are often the cause of allergies and intolerances in resin fillings.

PACK-ABLE



INDICATIONS:

- Direct anterior and posterior restorations of Class I, II, III, IV and V cavities according to Black
- Inlays, Onlays and Veneers
- Extended fissure sealing for molars and premolars
- Core build-ups
- Splinting of loose teeth
- Improve aesthetics with shape and colour corrections

ADVANTAGES:

- ☑ **Highest biocompatibility:** My Bio is BisGMA (BPA)-, TEGDMA-, HEMA- and EGDMA-free, making it an ideal choice for patients with allergies and intolerances. My Bio not only offers an aesthetic restoration, but also protection against allergic reactions.
- ☑ **Easy handling:** Thanks to its perfect consistency and polishability, My Bio is smooth, pleasant to work with and does not stick to the instruments. The easy handling makes dentists' work easier and enables high-quality, precisely contoured restorations.
- ☑ **Increased security:** With an excellent radiopacity of 250% Al, My Bio ensures accurate diagnosis and treatment. This increased visibility improves the ability to detect and diagnose potential problems, leading to optimal oral health outcomes.
- ☑ **Vibrant colors:** My Bio offers high shade intensity for aesthetically pleasing results. The innovative chromatic shade system enables the fabrication of lifelike, natural-looking restorations.

DELIVERY FORM

4g syringe
Shade:
A1: 78000
A2: 78010
A3: 78020
bleach: 78030



„The patient presented with an old filling that had spread in a mesial-occlusal-distal direction. Secondary caries was found under the filling, so the entire old filling and carious area were removed. The new filling in shade A3 was then built up in layers with MyBio using an AutoMatrix to restore the original mesial-occlusal-distal spread. The mesial wall, occlusal surface and distal wall were rebuilt, while the lingual and buccal walls were retained from the patient's own tooth. The finished restoration was then finished using Sof-Lex discs, a red diamond and rubber polishers. I was delighted with the excellent handling and the natural, aesthetic appearance of the restoration."

Dr. Deike Seidel, Dental practice Dr. Seidel Harsewinkel

My Bio flow-viscous

My Bio flow-viscous is a highly viscous, highly radio-opaque (210% Al) biocomposite specifically designed for small fillings in Class I-III and Class V restorations. It is also ideal for sealing fissures, correcting enamel defects, blocking out undercuts and making small corrections to the shape and colour of enamel. With a filler content of 77% by weight, My Bio flow viscous has a high viscosity and is easy to apply without dripping.

INDICATIONS:

- Fissure sealing
- Extended fissure sealing on molars and premolars
- Fillings of class V according to Black (cervical caries, root erosions, wedge-shaped defects)
- Minimally invasive fillings of classes I, II and III according to Black
- Correction of dental enamel defects
- Blocking out of undercuts
- Minor shape and colour corrections on the enamel



DELIVERY FORM

2g syringe
Shade:
A1: 75075
A2: 75070
A3: 75071
A3,5: 75072

ADVANTAGES:

☑ **Biocompatibility and versatility**
Its excellent biocompatibility - free of Bis-GMA (BPA), TEGDMA, HEMA and EGDMA - makes My Bio flow-viscous a safe choice for clinical applications. It is the flowable equivalent of our proven My Bio composite, offering the same high quality and compatibility in an easy-to-use, flowable form.

☑ **Optimised flow properties and ease of use**
My Bio flow-viscous is ideal as an underliner for our composites My Bio, Mirco Esthetic and Nanofill n. With a high filler content of 77% by weight glass filler, My Bio flow-viscous has optimal flow properties. It penetrates even the smallest areas and can therefore be used as the first layer under normal composites such as My Bio, Mirco Esthetic or Nanofill n. The high viscosity facilitates the restoration of smaller cavities and Class V cavities.

☑ **Outstanding physical properties**
My Bio flow-viscous has excellent physical properties such as low polymerisation shrinkage, high abrasion resistance and excellent flexural strength. These properties contribute to long-lasting, stable restorations.

Nanofill unique® is excellently suited for whitening processes, the restoration appears in the whitened tooth shade.

Nanofill® unique

Nanofill unique is a universal shade nano-hybrid composite, suitable for direct and indirect restorations such as inlays, onlays and veneers, as well as class I-V cavities. Thanks to the chameleon effect of Nanofill unique, all classic Vita® shades are covered.

With a translucency of 8%, Nanofill unique allows excellent color matching of the restoration to the natural tooth color of the adjacent tooth structure. By absorbing and reflecting incident light, the color of the adjacent tooth structure is matched. This allows the restoration to blend almost invisibly with the natural tooth color.

Aesthetics and handling

Nanofill unique offers excellent aesthetic properties and easy handling. It is easy to model and adapts perfectly to the cavity walls. The high polish ability gives the finished restoration a perfect gloss. Thanks to its excellent physical properties, long-lasting restorations are guaranteed.

Efficiency and warehousing

Almost the entire color spectrum is covered with just one composite. This avoids overlapping of rare colors and reduces stock levels. Nanofill unique enables efficient working by eliminating the need for color definition and minimizing errors due to incorrect color selection.

INDICATIONS:

- Direct anterior and posterior restorations in Black's classes I, II, III, IV, and V cavities.
- Inlays, onlays and laminate veneers
- Extended fissure sealing in molars and premolars
- Stump build-up
- Splinting loose teeth
- Adjusting the contours and shades to improve aesthetics

ADVANTAGES:

- ☑ Covers all classic VITA® shades thanks to the chameleon effect
- ☑ Excellent color matching with 8% translucency
- ☑ Easy modeling and optimal cavity adaptation
- ☑ Highest polish ability for perfect shine
- ☑ Long-lasting restorations thanks to outstanding physical properties
- ☑ Efficient workflow thanks to simplified color selection



DELIVERY FORM

4g syringe
Shade universal, Art.-No.: 74160
20 capsules á 0,3g
Shade universal, Art.-No.: 74161

Video Video Clinical case



Physical values

	BISICO NANOFILL UNIQUE	COMPETITORS
Flexural strength [MPa]	150	107
E-modul [GPa]	12655	9524
Compressive strength [MPa]	479	394
24h Vickers-hardness [MPa]	690	610

Chameleon effect

Nanofill® unique flow

Nanofill unique flow is a light-curing, flowable and highly radiopaque (210% Al) composite with high viscosity. This innovative material solution offers a universal shade option that can be used in a variety of everyday cases. Thanks to its chameleon effect (4% to 5% translucency) and excellent shade matching properties, Nanofill unique flow ensures natural and highly aesthetic restorations. The composite blends seamlessly into the patient's natural tooth environment, regardless of tooth shade. This means that restorations always look natural.

Wide range of applications
Nanofill unique flow is suitable for a wide range of indications. The ideal flow characteristics facilitate the restoration and adapt perfectly to the cavity walls. Easy application without droplet formation makes the working process efficient and precise.

Biocompatibility and safety
Nanofill unique flow is characterized by its high biocompatibility. It is free from BisGMA (BPA), TEGDMA, HEMA and EGDMA, which significantly increases safety and compatibility for your patients. These properties make Nanofill Unique Flow a safe choice for patients.

INDICATIONS:
- Fissure sealing
- Extended fissure sealing on molars and premolars
- Fillings in Black's class V cavities (cervical caries, eroded areas in roots, wedge-shaped defects)
- Minimally invasive fillings in Black's class I, II, III
- Correction of dental enamel defects
- Blocking out undercuts
- Minor shape corrections on the enamel



DELIVERY FORM

20 Capsules á 0,3g
Shade universal, Art.-No.: 74063

ADVANTAGES:
- ☑ **Light-curing and flowable:** For precise and easy handling.
- ☑ **High X-ray opaque (210% Al):** For best visibility on X-ray images.
- ☑ **Free from BisGMA (BPA), TEGDMA, HEMA and EGDMA:** Suitable for allergy sufferers.
- ☑ **Chameleon effect:** Seamless integration and natural aesthetics.
- ☑ **Excellent color matching:** Perfect adaptation to the natural tooth shade.
- ☑ **Versatile application:** For direct restorations, relinings and fissure sealing.

PACK-ABLE



Bisico Nanofill n®

The high-performance nano-composite for aesthetic restorations

Bisico® Nanofill n is an innovative, nano-filled, light-curing and high-gloss polish able composite material with excellent handling and universal applicability. Thanks to its special nano-filler technology, it offers outstanding physical properties and is easy to model, dimensionally stable and does not stick to the instrument.

The material is versatile and can be used in both the anterior and posterior regions. The ultra-fine nanofillers enable particularly homogeneous and highly polish able restorations with natural aesthetics. The high filler content of 83.54 % ensures a high material density and reduces polymerization shrinkage to less than 2 %.

Nanofill n also offers excellent radiopacity. The flexible shade system includes 8 dentin shades, an opaque shade, an incisal shade and a custom characterization shade to create lifelike, detailed restorations.

INDICATIONS:

- Direct anterior and posterior tooth restorations in Black's classes I, II, III, IV and V.
- Indirect restorations such as inlays, onlays and veneers
- Extended fi ssure sealing on molars and premolars
- Building up stumps
- Splinting of loosened teeth
- Corrections of shape and color to enhance aesthetics

ADVANTAGES:

- ☑ Optimized processing width and handling
- ☑ Nano technology
- ☑ High physical values
- ☑ Excellent mechanical properties
- ☑ Wide range of colors

DELIVERY FORM

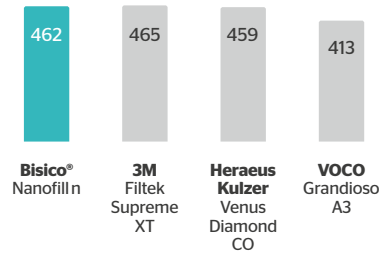
Syringe starter kit

- 6 x 4 g syringes, shades: A1 / A2 / A3 / A3,5 B2 / C (to VITA®)
- Bond LC, 5 ml
- Etch, 2 ml
- Nanofill flow, 2 g

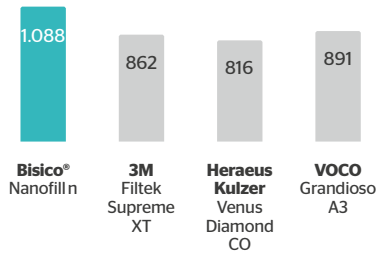
Art.-No.: 75030

Refill syringes each 4 g

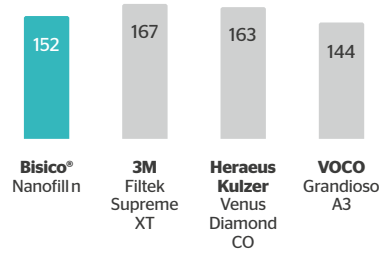
A1:	Art.-No.: 74080
A2:	Art.-No.: 74000
A3:	Art.-No.: 74010
A3,5:	Art.-No.: 74020
A4:	Art.-No.: 74090
B1:	Art.-No.: 74100
B2:	Art.-No.: 74030
B3:	Art.-No.: 74110
EW:	Art.-No.: 74050
Clear:	Art.-No.: 74040
OA:	Art.-No.: 74140
Bleach:	Art.-No.: 74150



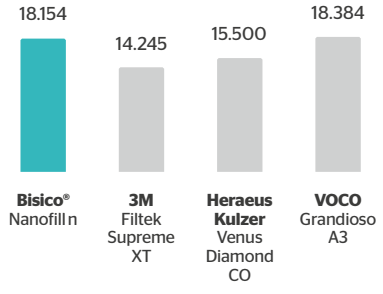
Compressive strength (MPa)



Vickers hardness (MPa)



Flexural strength (MPa)



E-Modul (MPa)

FLOW-ABLE



Nanofill® flow

Nanofill flow - The modern filling material with real nanotechnology

Nanofill flow is an innovative, flowable and light-curing restorative material specially developed for use in Class I-III and V cavities. Based on advanced nanotechnology, it combines excellent physical properties with high aesthetics and user-friendly handling.

INDICATIONS:

- Fissure sealing
- Extended fissure sealing on molars and premolars
- Fillings in Black's class V cavities (cervical caries, eroded areas in roots, wedge-shaped defects)
- Minimally invasive fillings in Black's class I - III cavities in areas not exposed to severe occlusal loads
- Restoring defects in enamel
- Blocking out undercuts
- Minimal adjustments to the contours and shade of the enamel

ADVANTAGES:

- ☑ **Optimum flow ability and high filling content:** Nanofill flow can be inserted into the cavity in a precise and controlled manner and retains its dimensional stability due to its high filler content
- ☑ **Low polymerization shrinkage:** Minimal shrinkage ensures excellent edge sealing and reduces the risk of edge gaps.
- ☑ **High abrasion and flexural strength:** Robust structure makes Nanofill flow extremely resistant to wear and breakage - ideal for long-lasting fillings.
- ☑ **Exact color matching:** Nanofill flow is available in the shades A1, A2, A3 and A3.5 according to the Vita shade system and perfectly matches the aesthetic line of Nanofill n, for natural and harmonious dental restorations.

DELIVERY FORM

Syringe each 2 g
(incl. 5 Appli-Tips black)

Shade A1
Art.-No.: 74062
Shade A2
Art.-No.: 74061

Shade A3
Art.-No.: 74060
Shade A3,5
Art.-No.: 74070

Micro Esthetic

Light-curing micro-hybrid composite.

The light-curing micro-hybrid composite Micro Esthetic is ideal for a wide range of dental restorations. With excellent modeling and high-gloss polish ability, it is the perfect solution for anterior and posterior restorations.

The high abrasion resistance ensures the durability of the fillings thanks to a particularly dense filler structure with particle sizes of 0.05 to 1.5 µm, which guarantees the durability of the restorations. The material also adapts perfectly to the edges and walls of cavities, resulting in an optimum fit.

An aesthetic appearance that also shines under artificial light sources ensures natural integration into the tooth structure. The transparency and translucency of Micro Esthetic are specially matched to the natural tooth structure, so that your restorations are not only functional but also aesthetically pleasing.

In addition, Micro Esthetic meets the strict requirements of the ISO 4049 standard with a high radiopacity of over 210 % Al and thus offers you additional safety during treatment.



ADVANTAGES:

- ☑ Aesthetic appearance, even under artificial light sources.
- ☑ Highest abrasion resistance due to dense filler structure with particle sizes of 0.05 - 1.5 µm.
- ☑ Excellent high-gloss polish ability.
- ☑ Particularly good modeling properties and best adaptability to the edges and walls of cavities.
- ☑ Transparency and translucency are adapted to the natural tooth structure.
- ☑ High radiopacity, > 210 % Al

DELIVERY FORM

Starter Set syringes

- 6 x 5 g syringes shades: A1, A2, A3, A3.5, B2, OA (to VITA®)
- E-Bond LC, 5 ml

Art.-No.: 75050

Refill syringes each 5 g

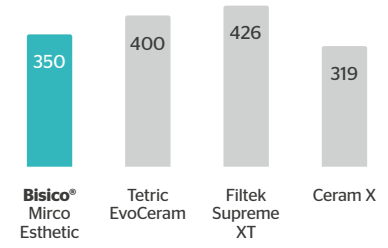
A1: Art.-No.: 75003
A2: Art.-No.: 75000
A3: Art.-No.: 75001
A3,5: Art.-No.: 75002
A4: Art.-No.: 75007
B1: Art.-No.: 75008
B2: Art.-No.: 75004
OA: Art.-No.: 75005
Clear: Art.-No.: 75009
Bleach: Art.-No: 75012

Capsules 20 x 0,3 g

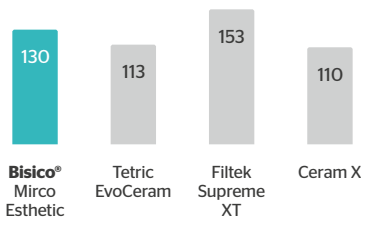
A1: Art.-No.: 75103
A2: Art.-No.: 75100
A3: Art.-No.: 75101
A3,5: Art.-No.: 75102
B2: Art.-No.: 75104
Grey: Art.-No.: 75013



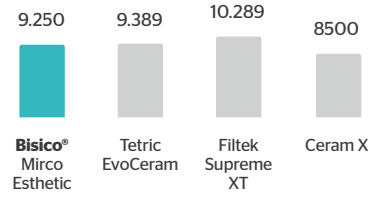
Shrinkage (MPa)



Compressive strength (MPa)



Flexural strength (MPa)



E-Modul (MPa)



Picture: Dentist Tomás Ribeiro

FLOW-ABLE



Micro Esthetic Gingiva

Micro Esthetic Gingiva is a flowable, gingiva-colored composite for the aesthetic restoration of recessions. It is applied directly in the patient's mouth.

The different shades - light, medium, dark and superdark - of Micro Esthetic Gingiva can be layered and mixed. This ensures that the individual color of the natural gingiva is reproduced exactly. Micro Esthetic Gingiva can be worked into the natural gingiva without leaving any residue and ensures long-term hygiene.

ADVANTAGES:

- ☑ Can be layered and mixed to exactly reproduce the shade of the natural gingiva
- ☑ Simple color system
- ☑ High X-ray opaque (210% Al)
- ☑ Easy handling
- ☑ Free from Bis-GMA (BPA), HEMA, TEGDMA, EGDMA
- ☑ Good polish ability
- ☑ Ensuring long-term hygiene
- ☑ Bonding with E-Bond LC (light-curing, self-etching) on dentin and enamel

DELIVERY FORM

Starter kit
- 4 x 2 g Syringes
- Shades: G-L, G-M, G-D, G-SD
- 20 Appli-Tips black
- Color ring Micro Esthetic Gingiva

Art.-No.: 75080

Syringes each 2g
(incl. 5 Appli-Tips black)

Shade G-L
Art.-No.: 75076
Shade G-M
Art.-No.: 75077
Shade G-D
Art.-No.: 75078
Shade G-SD
Art.-No.:75079

No additional layer required

Bisico® Bulk Fill

The all-rounder with perfect flow properties.

Bisico® Bulk Fill is a flowable composite for reliable direct restorations in the posterior region with excellent physical properties. The entire cavity can be filled in a layer up to 4 mm thick using the bulk fill technique. This makes daily work easier and faster.



INDICATIONS:

- Fillings with layer thicknesses of up to 4 mm for Class I cavities
- Base fillings/liners with layer thicknesses up to 4 mm in Black's class II cavities. For the following layers in a class II cavity, only use composites which are suited to filling Black's class II cavities.
- Cavity lining – as a first (bottom) layer in Black's class I and II cavities

Thanks to its consistency, it is easy to model and flows very well to the cavity walls. The thin application cannulas of the bulk-fill fillers allow safe application and bubble-free adaptation of the composite to the cavity walls and base.
The high filler content and high elasticity guarantee low shrinkage of less than 3 %. Bisico® Bulk Fill is available in the shades light and medium. Thanks to the chameleon effect, the filling adapts perfectly to the natural tooth shade. Restorations with Bisico® Bulk Fill are very easy to finish and polish. Bisico® Bulk Fill is Bis-GMA (BPA), HEMA, TEGDMA, EGDMA free and therefore has excellent biocompatibility.

ADVANTAGES

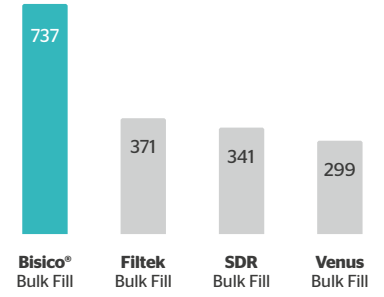
- ☑ **Stabil –** Excellent physical properties, low shrinkage, high elasticity
- ☑ **Time-saving –** Simple, fast application using the bulk-fill technique, 4 mm layer thickness
- ☑ **Aesthetic –** Universal dentin shade with natural color matching
- ☑ **Flowable –** Excellent adaptation to cavity bases and cavity walls
- ☑ **High viscosity –** Modelable, does not drip
- ☑ **Radio opaque –** Reliable diagnoses thanks to high radiopacity
- ☑ **Highest biocompatibility –** Free from Bis-GMA (BPA), HEMA, TEGDMA, EGDMA

DELIVERY FORM

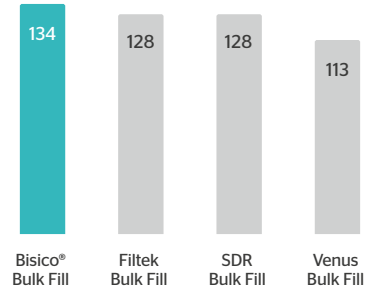
2 x 2g syringe, inkl. 10 Appli-Tips
Shade light, Art.No.: 75054
Shade medium, Art. No.: 75059

20 x 0,3g capsules,
Shade light, Art.-No.: 75052

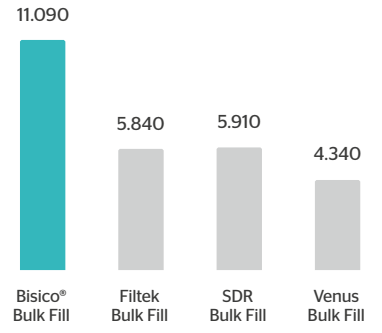
20 x 0,3g capsules
Shade medium, Art.-No.: 75057



Vickers hardness (MPa)



Flexural strength (MPa)



E-Modul (MPa)

Repo-Core DC

Repo-Core DC is an innovative dual-curing, flowable and radiopaque composite material that has been specially developed for core build-ups and the cementation of root canal posts. Available in practical 5 ml mini syringes or 25 ml cartridges, Repo-Core DC can be applied directly and bubble-free into the cavity or around the root canal post.





© Copyright:
Zahnarzt Klaus Ludwigs



INDICATIONS

- Core build-ups
- Cementing of posts
- Cementing of crowns and bridges, inlays and onlays

ADVANTAGES:

- ☑ **Dual hardening for flexible application options:** Cures in just 3:30 minutes with low heat development, allowing reliable curing with limited light, especially useful for deep root canals.
- ☑ **Excellent flowability and stability:** Repo-Core DC is specially formulated to penetrate deep into the root canal and provide a reliable adhesion. The combination of high flowability and stability allows for precise and stable core build-ups that can be used safely even in challenging situations.
- ☑ **Optimum compressive and flexural strength:** The mechanical properties of Repo-Core DC, such as a compressive strength in the optimal range for dentin (330 MPa) and a flexural strength of 140 MPa, give the material the necessary stability to withstand the daily stresses caused by chewing pressure and other mechanical influences. Due to its high final hardness, Repo-Core DC can be processed and polished like dentin.
- ☑ **Two color options for a variety of applications:** Available in blue and A3. The blue shade enables visual differentiation from dentin, while the A3 shade is ideal for aesthetic restorations and restorative ceramics.

Tip: Optimum results are achieved in combination with the bonding agent E-Bond DC.

DELIVERY FORM

Color A3, 25 ml cartridge
(incl. 15 Mixing-tips light blue flat, 15 IOT yellow) Art.-No.: 75220
Color A3, 5 ml syringe
(incl. 10 Mixing-tips Core, 10 IOT Core)
Art.-No.: 75200

Color blue, 5 ml syringe
(incl. 10 Mixing-tips Core, 10 IOT Core)
Art.-No.: 75210

Bisico Color Stains

Natural accents. Individual characterization.

Bisico Color Stains is a light-curing, flowable color composite for the individual characterization of direct and indirect restorations, composite veneers, prefabricated resin teeth and denture acrylics.

Create natural-looking enamel cracks, calcification spots, fissure discolorations and individual color nuances – for restorations with greater depth and character.

DELIVERY FORM

Syringes each 1 g

light brown: Art.-No.: 79001
dark brown: Art.-No.: 79002
white: Art.-No.: 79003
blue Art.-No.: 79004
clear: Art.-No.: 79005
orange: Art.-No.: 79006
yellow: Art.-No.: 79007

ADVANTAGES:

- ☑ Natural, individual color effects
- ☑ Colors can be freely mixed
- ☑ Versatile use in dental practice and laboratory
- ☑ Simple and precise application
- ☑ Direct application from the syringe



COMPOSITE ACCESSORIES

COMPO-JECT

made by Ronvig

Very easy-to-use applicator for dental composite materials in manufacturer prefilled unit dose tips (Compules or Filllies) for direct application..



- ☑ Easy extrusion, no matter viscosity - less effort required
- ☑ Easy to load and unload without retracting the plunger
- ☑ Easy to reach all areas of the oral cavity
- ☑ The tip is safely fixed and can be rotated 360°
- ☑ Made from high grade
- ☑ Can be sterilized by any method
- ☑ 5-year guarantee on material and construction

Art.-No.: 20012

Mixing Tips

for core build-up

DELIVERY FORM

Colibri, needle mixing tips , N11
green, 25 pieces
Art.-No.: 03770

Mixing-tips brown, 1:1
Art.-No.: 03740



Color ring Nanofill

DELIVERY FORM

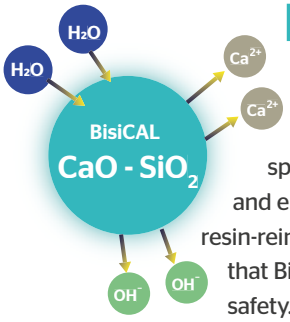
Shades: A2, A3, A3,5, B2, EW, C
Art.-No.: 75110

Endodontics

Bioactive MTA materials for sustainable tooth preservation



Pulp capping



BisiCAL

The calcium plaster for the pulp.

BisiCAL is a bioactive, light-curing pulp capping material that has been specially developed to build an effective protective barrier for the dental pulp and ensure the long-term vitality of the tooth. The combination of resin-reinforced formulation and MTA fillers (mineral trioxide aggregate) means that BisiCAL combines the highest bioactive properties with excellent application safety.

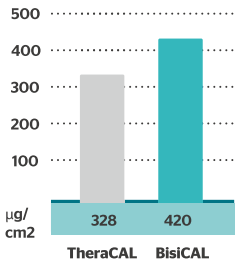


INDIKATIONENS

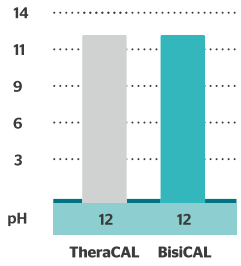
- **Direct pulp capping for any pulpal exposures, including:**
  - carious pulp exposure
  - mechanical pulp exposure
  - pulp exposures due to trauma
- **Indirect pulp capping agent in deep preparations:**
  - under Class I and Class II composite restorations
  - under cements
  - as an alternative to calcium hydroxide

ADVANTAGES:

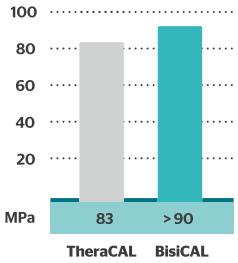
- ☑ **Stimulates tertiary dentine formation and healing:** Thanks to bioactive fillers, tertiary dentin (hydroxyapatite ($Ca_5(PO_4)_3(OH)$) is formed by releasing Ca^{2+} and OH^- ions. The pulp is protected and supported in healing.
- ☑ **High pH value for antibacterial effect:** The alkaline pH of BisiCAL is bactericidal and creates a sterile environment. This not only protects the pulp from infection, but also reduces the risk of hypersensitivity.
- ☑ **Light curing for fast and controlled application:** BisiCAL cures in 40 seconds, allowing rapid treatment without long waiting times. Single-component structure eliminates complicated mixing procedures and potential application errors.
- ☑ **Precise application and thixotropy:** Thanks to its thixotropic properties, BisiCAL can be applied accurately and precisely even in deep cavities. The supplied fine needle tip allows precise dosing and positioning of the material.
- ☑ **Moisture tolerance and high radio opacity:** BisiCAL is highly resistant to moisture, making it easy to use in challenging clinical situations. In addition, its good radiopacity ensures that the material is easily visible on X-rays during follow-up examinations.



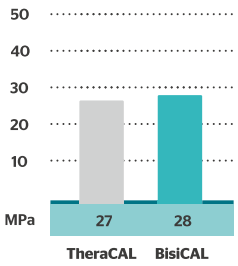
Calcium release after 24 h (µg/cm2)



pH Value after 24 h



Compressive strength (MPa)



Flexural strength (MPa)

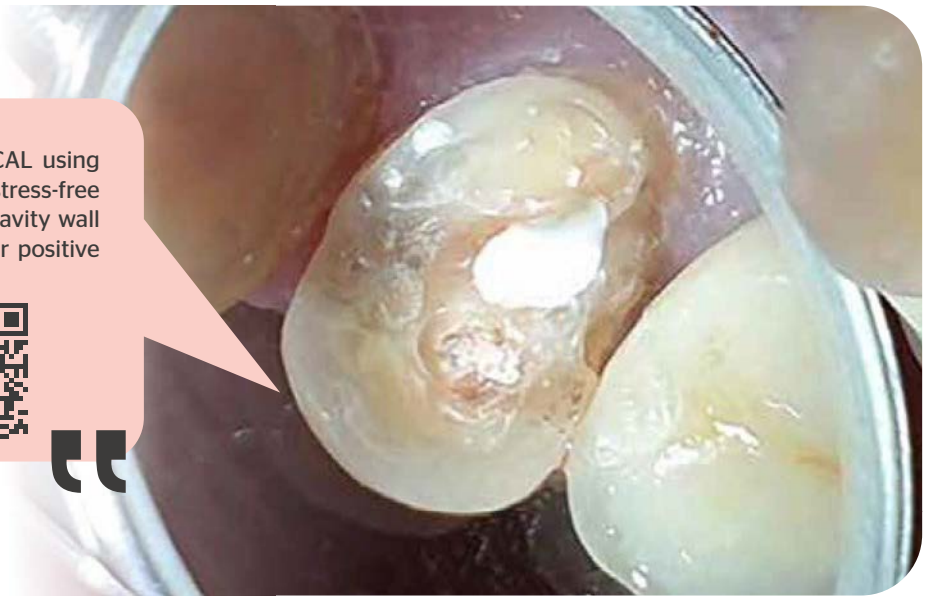


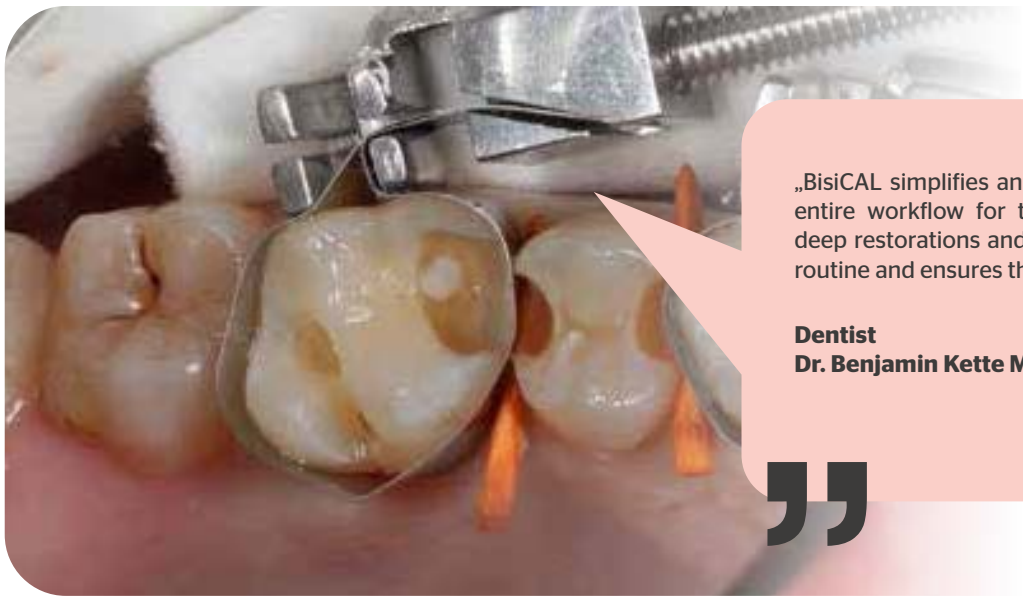
DELIVERY FORM

BisiCAL 1g syringe,
Art.-No.: 76500
incl. 12 Appli-Tips
BisiCAL 4 x 1g syringe,
Art.-No.: 76510
incl. 50 Appli-Tips

„The direct application of BisiCAL using a syringe enables hygienic and stress-free application. Good adaptation to the cavity wall and easy removal of excess are other positive features of this product."

Dental practice Bäßler





„BisiCAL simplifies and accelerates the entire workflow for the placement of deep restorations and the preservation in daily routine and ensures the treatment result."

Dentist
Dr. Benjamin Kette M.Sc

„BisiCAL can be easily integrated into the conservative treatment workflow and facilitates indirect and direct pulp coverage due to its good workability, applicability and light-curing properties."

Dentist Romy Dech



BisiSEAL MTA

The Ready-to-Use, Biocompatible Root Canal Sealer

BisiSEAL MTA is an innovative, bioactive MTA-based root canal sealer developed for the permanent, bacteria-tight sealing of the root canal system.
The self-setting material utilizes the body's own moisture for hydration, providing a gap-free, dimensionally stable seal – even in complex root canal anatomies.
Thanks to its high bioactivity, BisiSEAL MTA supports natural healing processes in the periapical tissues and provides reliable protection against reinfection.

INDICATIONS:

- Permanent sealing of the root canal in combination with gutta-percha.

BENEFITS AT A GLANCE:

- ☑ **Biocompatible & bioactive:**
  Supports natural healing through apatite formation.
- ☑ **High release of calcium and hydroxide ions:**
  Promotes hydroxyapatite formation, antibacterial activity and tissue healing.
- ☑ **Antibacterial:**
  High pH (~11–12) provides a bactericidal effect and helps prevent reinfection.
- ☑ **Excellent sealing:**
  Hydrophilic sealing with slight expansion provides a secure seal, even in lateral canals.
- ☑ **Easy to use:**
  Ready to use directly from the syringe – no mixing required.
- ☑ **Radiopaque & retreatable:**
  Excellent visibility on radiographs and easy removal when retreatment is required.
- ☑ **Safe & gentle:**
  Self-setting without pressure or heat, reducing the risk of root trauma.





DELIVERY FORM

2 g syringe incl. 15 Endo-Tips
Art.-No.: 76530

BisiMTA

The Bioactive Repair Cement for Endodontics

BisiMTA is an advanced, biocompatible mineral trioxide aggregate (MTA) designed for a wide range of endodontic indications. Thanks to its excellent marginal adaptation, high radiopacity and antibacterial effect through the release of calcium hydroxide, it provides a reliable and long-lasting seal.

INDICATIONS:

- Direct pulp capping
- Repair of root perforations (iatrogenic or traumatic)
- Root-end filling (retrograde)
- Apexification / orthograde root-end filling
- Treatment of internal resorption
- Pulpotomy

BENEFITS AT A GLANCE:

- ☑ **Biocompatible & bioactive:** Promotes natural healing and dentin formation.
- ☑ **High release of calcium and hydroxide ions:** Provides an antibacterial effect and promotes hydroxyapatite formation.
- ☑ **Excellent marginal adaptation:** Minimizes bacterial infiltration and provides a tight seal.
- ☑ **Antibacterial:** High pH provides a bactericidal effect and reliable protection against reinfection.
- ☑ **High radiopacity:** Clear visibility on radiographs for reliable follow-up examinations.
- ☑ **Variable consistency:** Adjustable from creamy to firm – easily adaptable to different clinical situations.
- ☑ **Long-term stability:** Low solubility provides a durable, reliable seal without discoloration



DELIVERY FORM

1 g powder + 3 ml liquid (handmix)
Art.-No.: 76520

Cements

Reliable cementing – at the highest level.



Reliable Cements for the Highest Standards – **Made in Germany**

Our innovative luting materials offer dentists the perfect solution for every clinical situation - from temporary to permanent restorations. All products combine state-of-the-art technology with the highest quality „Made in Germany“ to guarantee optimal results for you and your patients.

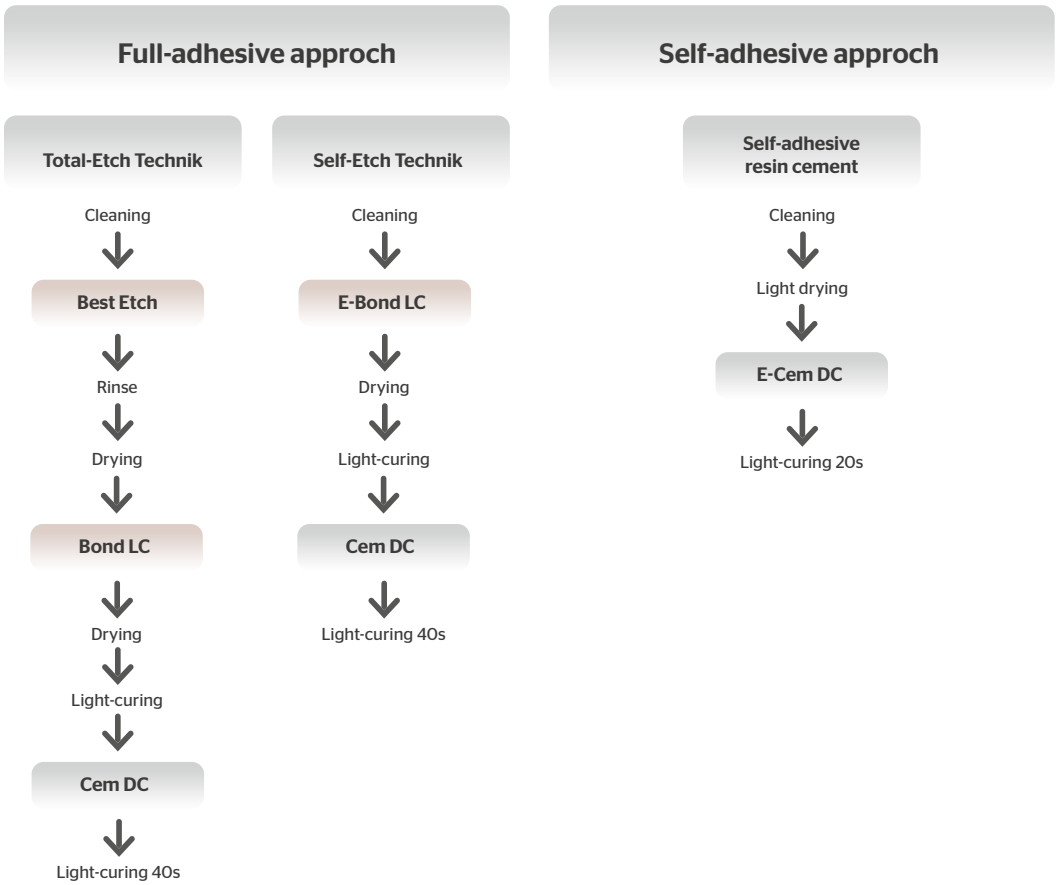
THE PRODUCT RANGE AT A GLANCE:

- **Provi Bond K** (temporary): Eugenol-free, with reliable adhesion and clean removal - ideal for safe temporary use ideal
- **Cementime DC** (semi-temporary): Strong adhesion paired with non-destructive removal of the restoration. Antibacterial protection with zinc - safe and practical.
- **Cem DC** (permanent): Provides a strong bond, impressive color stability and is dual-curing - for long-lasting results in perfection.
- **E-Cem DC** (permanent): Self-etching, dual-curing universal cement that combines fast application, long-lasting hold and protection against post-operative discomfort - for reliable versatility in everyday surgery.

Simple and versatile application - suitable for your technique

Our adhesive materials, **Cem DC** and **E-Cem DC**, provide maximum flexibility in application. Whether you prefer the full-adhesive approach with total-etch or self-etch techniques, or the self-adhesive approach, these materials adapt seamlessly to your individual working methods.

The infographic guides you step-by-step on the best techniques and bonding options for using Cem DC and E-Cem DC. Benefit from structured workflows and reliable results for your daily practice..



Cementime DC®

Cementime DC is an innovative, dual-curing and eugenol-free semi-permanent luting cement, specially developed for the cementation of crowns and bridges on implants and for long-term temporary restorations. Thanks to the practical mini syringe, Cementime DC can be applied directly - clean and efficient working without additional mixing with a spatula.

INDICATIONS:

- Cementing of crowns and bridges on implants
- Long-term temporary restoration

ADVANTAGES:

- ☑ **Excellent adhesion and sealing:** Cementime DC is based on methacrylates and offers excellent adhesive properties. In contrast to composite-based cements, there is no shrinkage, but rather a controlled, minimal expansion, which enables a bacteria-proof seal and optimum adhesion to the superstructures.
- ☑ **Gentle on the implant:** Thanks to its high elasticity, Cementime DC relieves the implant and reduces pressure on the bone. This flexible mobility ensures gentle loading and minimizes the risk of stress damage.
- ☑ **Antibacterial protection with zinc:** With its zinc content, Cementime DC actively supports protection against bacterial contamination - an important property for the long-term stability and health of the implants.
- ☑ **Easy removal and follow-up:** Cementime DC can be removed easily and without leaving any residue, which means that follow-up checks and possible adjustments to the superstructures can be carried out easily without damaging them.
- ☑ **Precise and efficient application:** Direct application from the mini-syringe allows for precise dosing and an extremely thin layer thickness for maximum accuracy of fit. Excess material can be easily and cleanly removed during placement.
- ☑ **Universal material compatibility:** Cementime DC is compatible with all common material combinations and provides a flexible and reliable solution for a wide range of clinical needs.



DELIVERY FORM

Cementime DC,
5 ml Mini syringe 4:1
(incl. 10 Mixing tips brown, pointed 4:1)
Art.-No.: 03730

„Full- adhesive approach“



Bisico® Cem DC

Bisico® Cem DC is a dual-curing, low viscosity, composite-based luting cement for the permanent cementation of all types of restorations in the anterior and posterior regions. It is highly radiopaque and has an impressive shade stability.

INDICATIONS:

- For cementation of crowns, bridges, inlays, onlays and veneers. Cem DC is ideal for restorative materials such as metal, zirconium oxide and all types of veneering ceramics (e.g. feldspar, alumina and lithium disilicate ceramics).

ADVANTAGES:

- ☑ **High flexural and tensile strength values:** Very strong attachment of the restoration to the tooth.
- ☑ **High filler content (61% weight, 41% volume):** High resistance to mechanical forces.
- ☑ **Reliable cement gap sealing and high adhesion to tooth and restorative material:** Low risk of secondary caries.
- ☑ **Minimal solubility towards acids:** Almost complete resistance to oral acids. This not only reduces the risk of secondary caries, but also contributes to the long-term durability of the restoration.
- ☑ **Optimized flow and low film thickness:** Comfortable handling and perfect fit of the restoration on the prepared tooth surfaces.

DELIVERY FORM

Shade, A2, 5 ml syringe
(incl. 10 Mixing tips brown, pointed 1:1)
Art.-No.: 75241
Shade A3, 5 ml syringe
(incl. 10 Mixing tips brown, pointed 1:1)
Art.-No.: 75240

Shade white opaque, 5 ml syringe
(incl. 10 Mixing tips brown, pointed 1:1)
Art.-No.: 75242
Shade translucent, 5 ml syringe
(incl. 10 Mixing tips brown, pointed 1:1)
Art.-No.: 75243

Self-adhesive approach

E-Cem DC

E-Cem DC is a modern, dual-curing, self-etching universal cement for the permanent cementation of all-ceramic and metal restorations as well as composite restorations and root canal posts.



DELIVERY FORM

5 ml syringe 4:1
(incl. 15 Mixing tips brown 4:1)
Art.-No.: 75340

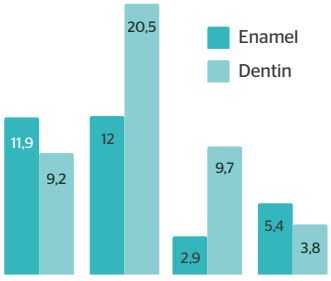
INDICATIONS:

Permanent luting of:

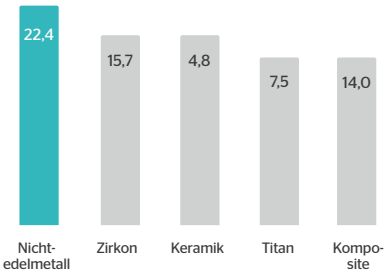
- crowns and bridges made of metal and metal ceramic
- crowns and bridges of reinforced ceramics (e.g. Zirconia)
- all-ceramic crowns and bridges produced by using Cerec®
- inlays and onlays of ceramic, metal and composite
- Posts
- metal, metal ceramic and reinforced ceramics (e.g. Zirconia) on implant abutments

ADVANTAGES:

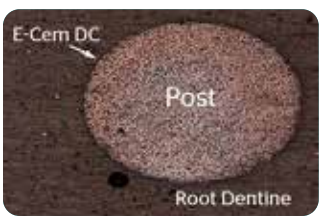
- ☑ **Excellent aesthetics:** Thanks to its natural shade and tooth-like fluorescence, E-Cem DC perfectly matches the natural appearance of the tooth. Especially with translucent ceramics, esthetically demanding, lifelike results can be achieved with no visible transitions between the tooth and the restoration. Later discoloration is eliminated, ensuring the long-term aesthetics of the restoration.
- ☑ **Quick and easy to use:** E-Cem DC does not require etching, priming or bonding. This saves valuable time and reduces stress on the tooth. With a comfortable, gel-like consistency, the cement can be applied precisely in a thin layer and excess can be easily removed.
- ☑ **Long-term durability:** Excellent bond strength and optimized volume behavior ensure long-lasting and reliable cementation. Low initial shrinkage and subsequent slight expansion prevent fracture and capillary splitting, ensuring long-term stability of the restoration.
- ☑ **Protection from postoperative discomfort:** E-Cem DC quickly neutralizes the pH value, which prevents post-operative sensitivity. The use of this cement protects the tooth from pain and thus contributes to a more comfortable treatment.
- ☑ **Excellent edge sealing:** E-Cem DC ensures a perfect and long-term marginal seal that protects against cement washout at the crown margin and thus reduces the risk of secondary caries. This protection is particularly important to extend the lifetime of the restoration.
- ☑ **Durability and resilience:** The high release of fluoride ions additionally strengthens the tooth and protects it from harmful acids such as lactic acid. This helps to prevent secondary caries and promotes the long-term health of the tooth structure.
- ☑ **Easy application and time saving:** E-Cem DC is available in practical 5 ml Minimix syringes, which enable error-free, bubble-free mixing and easy application. Mixing is quick and easy with the mixing tip - without the risk of air bubbles.
- ☑ **Dual-curing for extra safety:** E-Cem DC cures chemically and light-curing. After the initial light-curing (5 seconds), the restoration remains firmly and securely in place, ensuring precise and reliable cementation.

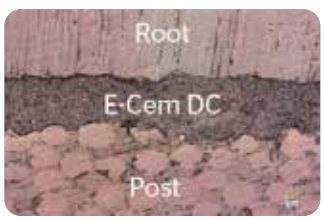


Shear adhesion values on enamel & Dentin (MPa)



Shear adhesion values on different restorative materials (MPa)





Excellent marginal seal between E-Cem DC and post/dentin

Video



Bisico® Glass Cem

Bisico® Glass Cem is a special glass- ionomer luting cement for cementing crowns, bridges, inlays and onlays (metal, ceramic and zirconia) and as underfilling under composites.

Bisico® Glass Cem is not sensitive to moisture during storage, even in warm and humid climates. Therefore it has an excellent durability. It is resin-free and is characterized by a very good biocompatibility. Bisico® Glass Cem has an enhanced transparency because some of the components that are responsible for the coloration are dissolved in the liquid.

ADVANTAGES:

- ☑ No sensitivity to moisture during storage → Long durability
- ☑ Excellent handling features → Stable setting time
- ☑ Excellent bonding to dentine and enamel → Excellent marginal fit and seal
- ☑ High fluoride release → Tooth protection
- ☑ High biocompatibility → No allergic reactions
- ☑ Easy, fast removal of excess material

DELIVERY FORM

Glass Cem hand mix,
35 g powder, 20 ml liquid
Art.-No.: 75060

Bisico® Glass Fill

Bisico® Glass Fill is developed special glass- ionomer restorative cement.

Bisico® Glass Fill is a newly developed glass ionomer restorative cement, designed for superior performance even in warm and humid climates. Its resin-free composition ensures excellent biocompatibility, making it ideal for patients with allergies or sensitivities.

INDICATIONS:

- Class I and II restorations in primary teeth
- Small class I and II restorations in permanent teeth
- Temporary restorations in load-bearing situations in class I and II cavities
- Base material for class I and II cavities in the sandwich technique
- Class V and root surface restorations

ADVANTAGES:

- ☑ No sensitivity to moisture during application and storage → Stable setting time, long durability
- ☑ Suitable translucency → Esthetic results
- ☑ High fluoride release → Tooth protection
- ☑ High biocompatibility → No allergic reactions



DELIVERY FORM

Glass Fill hand mx,
15g powder, 10ml liquid
Art.-No.: 75090

ACCESSORIES

Mixing Tips

for cements



DELIVERY FORM

Mixing tips brown, pointed 1:1,
50 pieces
Art.-No.: 03470

Mixing tips brown 4:1,
50 pieces
Art.-No.: 03480

Temporary materials

Aesthetic temporary restorations
– bubble-free and easily fabricated..





Provi Temp K

Provi Temp K is a self-curing, paste-like composite material for the fabrication of temporary crowns and bridges based on multifunctional methacrylates in the mixing ratio 4:1.

Due to its high final hardness and high elasticity, Provi Temp K is particularly suitable for the fabrication of large bridges. The material shows a natural fluorescence under UV light, which further enhances its aesthetic effect.

INDICATIONS:

- Fabrication of temporary crowns, bridges, inlays, onlays and veneers
- Fabrication of long-term temporary restorations

ADVANTAGES:

- ☑ **High resistance to breakage and abrasion:** Provi Temp K offers exceptional flexural and abrasion resistance, which significantly extends the durability of the temporary and makes it resistant to daily chewing pressure.
- ☑ **Low curing temperature:** The temporary restoration can be fabricated extraorally or intraorally, as the low heat development (below 40°C) does not stress the patient.
- ☑ **Methyl methacrylate-free:** Provi Temp K is free of methyl methacrylate, making it biocompatible and tissue friendly.
- ☑ **Excellent accuracy of fit and low shrinkage:** Due to the minimal polymerization shrinkage and high dimensional stability, the temporary remains precisely adapted, optimally protects the prepared teeth and secures the occlusion.
- ☑ **Easy to polish and repair:** The cured temporary can be optimally polished and easily repaired if necessary. Already cured material chemically bonds with new Provi Temp K or light-curing composites.
- ☑ **Outstanding aesthetics:** Provi Temp K offers excellent color and shape stability, so that the temporary restoration retains an aesthetically pleasing appearance even over longer periods of time.
- ☑ **High stability:** The exceptional stability of the material is particularly evident on thin crown margins, making it ideal for the fabrication of large and extended bridge structures.

DELIVERY FORM

Shade A1, 50 ml, 4:1
(incl. 15 Mixing tips light blue 4:1)
Art.-No.: 73560

Shade A2, 50 ml, 4:1
(incl. 15 Mixing tips light blue 4:1)
Art.-Nr.: 73540

Shade A3, 50 ml, 4:1
(incl. 15 Mixing tips light blue 4:1)
Art.-No.: 73570

Shade Bleach, 50 ml, 4:1
(incl. 15 Mixing tips light blue 4:1)
Art.-No.: 73590

Shade A3, 5 ml ,4:1
(incl. 5 Mixing tips brown)
Art.-No.: 73571

Shade A2, 5 ml, 4:1
(incl. 5 Mixing tips brown 4:1)
Art.-No.: 73541

TECHNICAL DATA

Shades: A1, A2, A3, Bleach
Mixing time: Not applicable
Processing time: 1 Min.
Curing time in the mouth: approx. 3 Min.
Curing time until finishing: approx. 6 - 7 Min.



Fabrication of temporary restoration with Bisico Provi Temp K

Provi Bond K

Eugenol-free, temporary luting cement.

Provi Bond K is a high-quality, eugenol-free, temporary luting cement for the safe and simple cementation of temporary and permanent crowns and bridges. The practical application directly from the cartridge or mini syringe ensures error-free, optimum dosing and saves valuable time in everyday practice.



INDICATIONS:

- Temporary luting of provisional crowns and bridges
- Temporary luting of permanent crowns and bridges

ADVANTAGES:

☑ **Eugenol-free**
Provi Bond K is eugenol-free and therefore does not affect the subsequent use of composite systems, which guarantees maximum flexibility during treatment.

☑ **Secure, reliable adhesion**
Provi Bond K provides a reliable bond and optimal protection of the tooth stump against external stimuli (cold, heat, acid). The smooth contact surface between the dentin and the crown enables easy removal of the temporary without damaging the tooth stump.

☑ **No cement residue on the tooth stump**
Provi Bond K remains exclusively in the temporary so that the tooth stump remains clean when the temporary is removed. Excess material can be easily removed, which ensures clean, easy handling.

☑ **Antibacterial effect**
The zinc oxide content protects the tooth stump from bacterial contamination.

DELIVERY FORM

5 ml Mini syringe 1:1
(incl. 10 Mixing tips brown 1.1)
Art.-No.: 03710

25 ml Cartridge 1:1
(incl. 12 Mixing tips light blue 1:1)
Art.-No.: 03720

Temp S

Temporary crown and bridge material.

Bisico® Temp S is an acrylate-based material which has proven itself over decades for the fabrication of temporary crowns and bridges. The powder and liquid are mixed by hand. Then Temp S can be applied intraorally or extraorally.
The material is resistant to fracture and abrasion and is easy to finish, polish and repair.



DELIVERY FORM

100 g powder universal,
50 ml liquid, 1 mixing cup
Art.-No.: 03120
100 g powder universal
Art.-No.: 12510
50 ml Temp S liquid
Art.-No.: 12520

ZUBEHÖR



Dispenser 4/10

For 50ml cartridges 4:1
(Provi-Temp K)

Art.-No.: 02020



Dispenser 25

For 25ml cartridges 1:1
(Provi Bond 25ml)

Art.-No.: 01940





Mixing tips
for Provi Temp K

DELIVERY FORM

Mixing tips light blue 4 : 1,
50 pieces
(orange spiral)
Art.-No.: 03460

Mixing tips brown 4 : 1,
50 pieces
(orange spiral)
Art.-No.: 03480

Mixing tips
for Provi Bond K

DELIVERY FORM

Mixing tips light blue 1: 1,
50 pieces
(pointed, white spiral)
Art.-No.: 03450

Mixing tips brown 1 : 1,
50 pieces
(pointed, white spiral)
Art.-No.: 03470

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