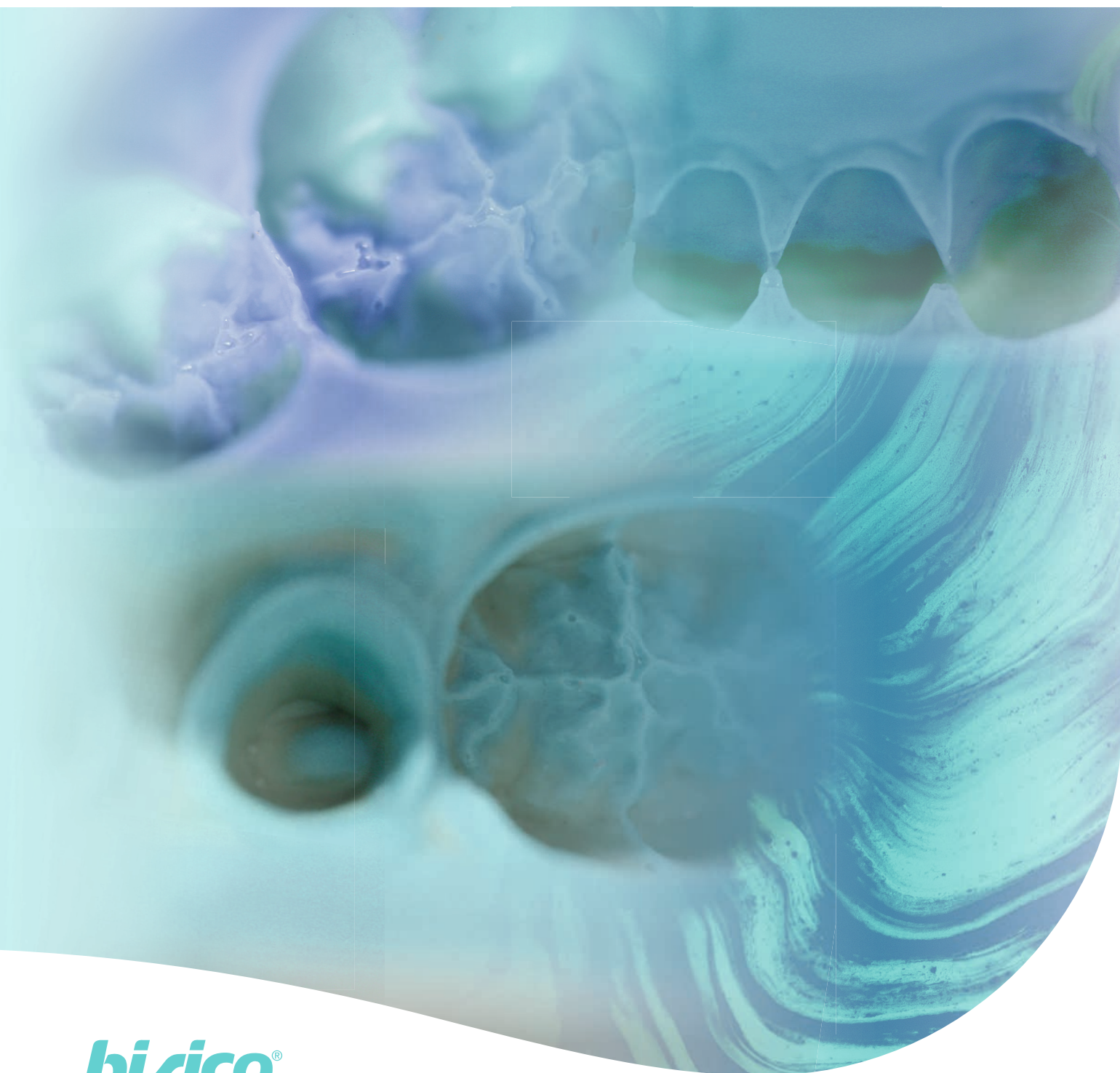


Your Method. Our Material.

Product catalogue Impressions

Bisico® Bielefelder Dentsilicone GmbH & Co. KG



bisico®

History

Bisico, Bielefelder Dentsilicone 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.



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.

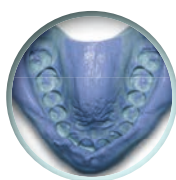


HOW TO USE

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

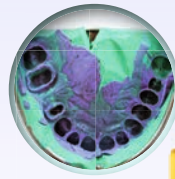
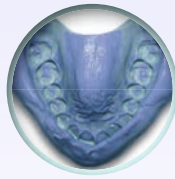


S2 suhy
medium-bodied / medium



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

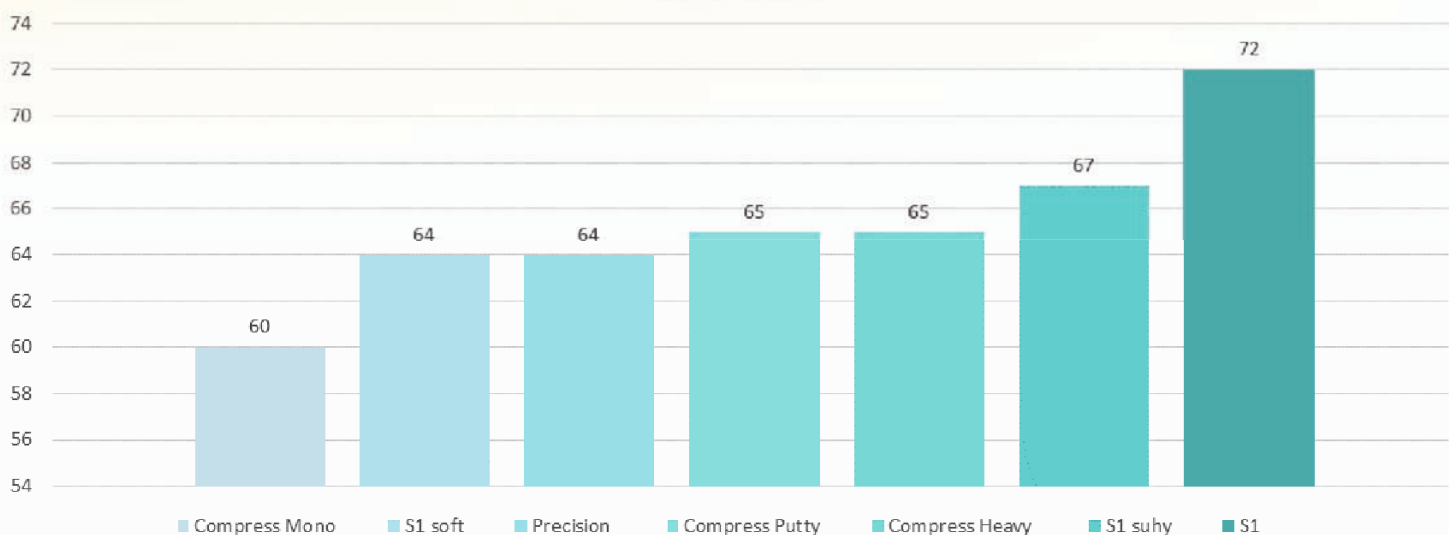
medium-bodied / medium



Precision

heavy-bodied / heavy

Shore Härte



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 O,
 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 excessive 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.
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, Type O,
 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 O,
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

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

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



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 combination 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 mono-phase 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.

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.



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

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



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.

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

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

TECHNICAL DATA

Consistency: medium consistency / medium

Color: red

Linear shrinkage: < 0,1%

Mixing time: Tubes: 30 Sec. / Cartridges :n.a.



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



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

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.

ACCESSORIES



Application syringe for Bisico® Function

DELIVERY FORM

10 ml

Art.-No.: 23110

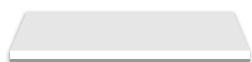


Adhesiv

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 O, 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 varnish 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

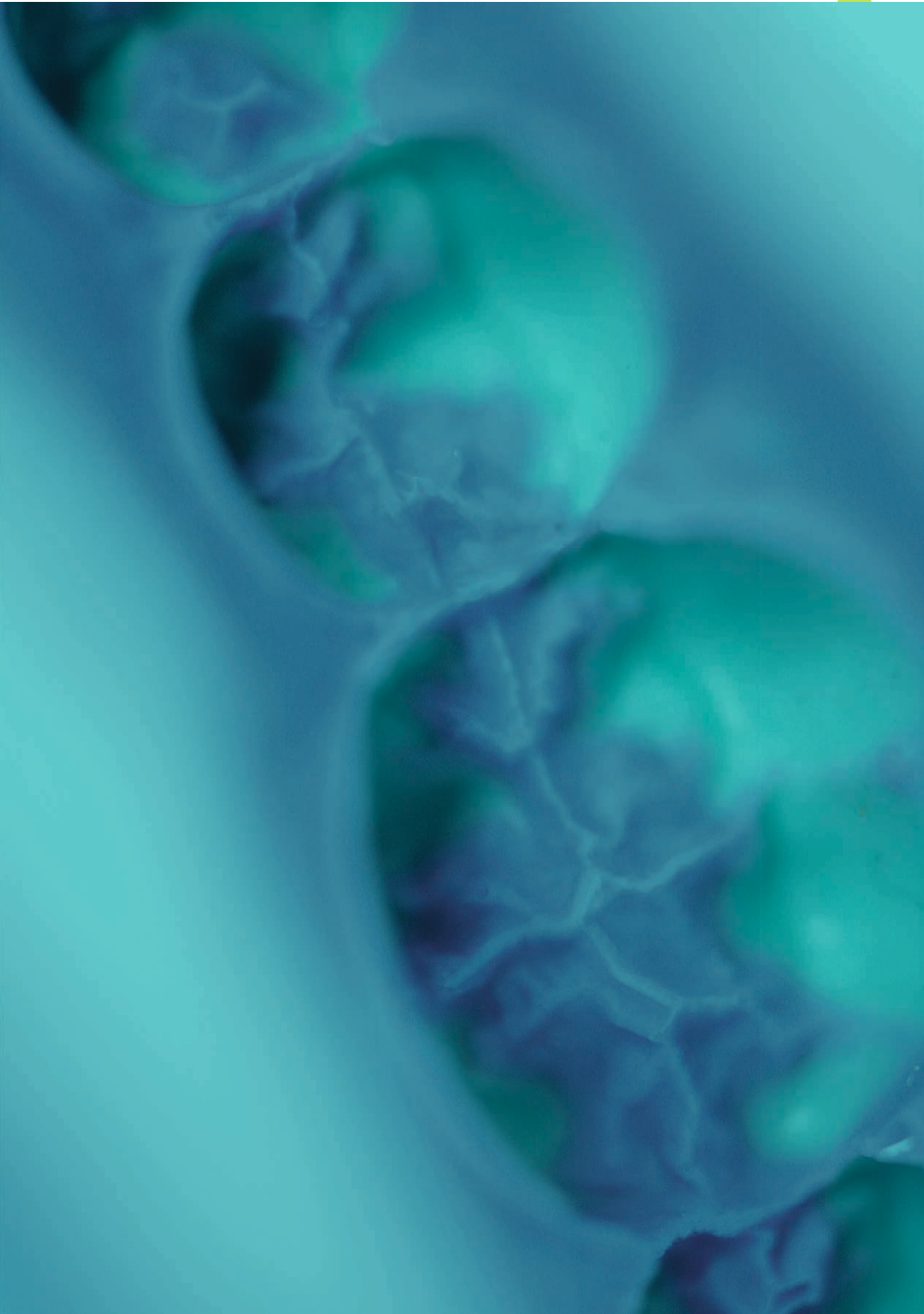
Gold 21,1

Cr-Co 22,4

PACKAGING

5 ml bottle

Art.-No.: 76000





Bielefelder Dentsilicone GmbH & Co. KG

Johanneswerkstraße 3

33611 Bielefeld

Tel. +49 (0) 521 801 68 00

Fax +49 (0) 521 801 68 01

E-Mail info@bisico.de

Web www.bisico.de

Rev. Nr.: 68400-04.2025



@bisico_gmbh