

# Your method. Our material.

**General catalogue**

Bisico® Bielefelder Dentsilicone GmbH & Co. KG

***bisico***®



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# 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 ISO13485:2012 as well as adherence to EC Directive 93/42/EEC, Annex V.

## Continual innovation

We develop our products in ongoing collaboration with dentists and dental technology laboratories, which ensures that our products meet the high demands of today's practice and are always state of the art.



## 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.

### We are available:

Monday to Thursday: from 8 am to 5 pm German time  
Friday: from 8 am to 3 pm German time

With the following chart you can quickly find the right impression material you need for your specific task. It also includes the page on which you will find the product description in the catalogue.

Addition curing silicones			CROWNS / BRIDGES / INLAYS / ONLAYS					PROSTHETICS		
			TRAY MATERIAL		CORRECTION MATERIAL					
PRODUCTS	CONSISTENCY	PAGE	2-PHASE	1-PHASE	2-PHASE	1-PHASE	MONO-PHASE	FUNCT. BORDER	BASE	PRELIM. IMPRESSION <small>LUDWIGS</small>
S1	putty	7	●							
S1 soft	soft putty	7		●						
S1 suhy	soft putty	8	●	●						
Compress putty	putty	8	●	●						
Compress heavy	medium	9	●	●						
Compress mono	medium	9					●			
S2 suhy	medium	11				●				
Precision	heavy	10		●			●			
S4 suhy	light	11			●	●				
Function	putty	20						●		
Mandisil	medium	21							●	
S4	light	21			●				●	
Perfect	soft putty	20		●				●		
Lutesil V (C-silicone)	soft putty	21								●

Thanks to decades of experience and development. BISICO silicones have reached a very high degree of precision. As the dimension stability of the impressions remains the same for several weeks, the impressions can be safely sent long distances. The materials should be stored at room temperature. For longer periods (more than 3 months) they should be stored in a cool place.

# Impression-taking

A precise impression is the basis for any dental prosthesis.



## ADDITION-CURING TRAY MATERIALS



### S1

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 impressions 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

soft putty

**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 used in both stock and custom trays.

› **Recommended correction silicones:** Bisico® S4 suhy or 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.: 010 60





## S1 suhy

soft putty

**Kneadable silicone impression material for filling the tray when applying the double mix or double impression technique.**

Thanks to its soft starting consistency and final hardness of 67 shore A, Bisico® S1 suhy is a very versatile material. The extremely high hydrophilicity creates a strong affinity with all moistened areas and thus ensures the highest possible quality of the impression surface.

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

### 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

### PACKAGING

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

## Compress putty

putty

**Hydrophilic silicone impression material for use in standard 5:1 mixing appliances and with all usual impression techniques.**

Bisico® Compress putty is the only impression silicone on the market which really can be kneaded and, at the same time, directly be applied from the cartridge. After filling the tray, the silicone can be re-shaped by hand if required. Compress putty is characterized by an extreme snap effect, i.e. a long working time and a short setting thus minimising discomfort for the patient. Dimension stability, minimal shrinkage and high elasticity are other outstanding features.

› The attractive bright colouring improves visual quality control. BISICO® Compress putty can be used in combination with all light-bodied BISICO® correction silicones.



### TECHNICAL DATA

**Consistency:** kneadable/putty  
**Colour:** green  
**Linear shrinkage:** < 0,1%  
**Mixing time:** not applicable  
**Working time:** 1:30 min.  
**Setting time in the mouth:** < 3 min.  
**Final hardness:** approx. 65 Shore A  
**Standard:** ISO 4823, Type O,  
very high consistency

### PACKAGING

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



## Compress heavy

heavy-bodied

**Hydrophilic silicone impression material for use in standard 5:1 mixing appliances.**

Especially when changing material, the application form of the silicone in a plastic cartridge is extremely clean and easy to use. During application the material does not come into contact with the user's latex gloves.

- ✓ Highest dimension stability
- ✓ Very versatile as it can be used for nearly all impression methods
- ✓ No stress for the patient due to its short setting time
- ✓ Attractive, bright colour for improving the visual quality control
- ✓ Can be used together with all BISICO® correction silicones

### TECHNICAL DATA

**Consistency:** viscous/heavy  
**Colour:** yellow  
**Linear shrinkage:** < 0.1%  
**Mixing time:** not applicable  
**Working time:** 2 min.  
**Setting time in the mouth:** < 3 min.  
**Final hardness:** approx. 64 Shore A  
**Standard:** ISO 4823, Type 1, high consistency

### PACKAGING

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



## Compress mono

medium-bodied

**Hydrophilic silicone impression material for use in standard 5:1 mixing appliances.**

Bisico® Compress mono is a monophasic impression material covering a wide range of applications. Impressions required for telescopic restorations, attachments, and even complex implant impressions are possible. Thanks to its soft consistency, Compress mono can also be put in a separate application syringe for application onto the preparations.

### TECHNICAL DATA

**Consistency:** medium  
**Colour:** aubergine  
**Linear shrinkage:** < 0.1%  
**Mixing time:** not applicable  
**Working time:** 2 min.  
**Setting time in the mouth:** < 3 min.  
**Final hardness:** approx. 60 Shore A  
**Standard:** ISO 4823, Type 2,  
medium consistency

### PACKAGING

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

# Algi-Press

medium-bodied

Alginate substitute for anatomical impressions and more.

The outstanding properties of A-silicones, such as high dimensional stability, crisp detail and good elastic recovery have been combined with the advantages offered by alginates, including short intraoral setting time, outstanding hydrophilicity, pleasant flavour and easy impression removal.

**Algi-Press is suitable for:**

Anatomical impressions / opposing jaw impressions / fabrication of temporary restorations / production of splints / orthodontic applications

The 380 ml cartridge makes for extremely clean and easy handling. Mixing is not carried out by hand, but in a Sympress (Renfert) or other mixer for automatic, dust-free and quick results. Dispensing is always accurate and homogeneous. Algi-Press guarantees safe and efficient working in daily practice routines.



TECHNICAL DATA

**Consistency:** medium  
**Colour:** mint green, mint taste  
**Linear shrinkage:** 0,15 % (24 h)  
**Mixing time:** not applicable

**Working time:** max. 1:20 min.  
**Setting time in the mouth:** 1:40 min.  
**Final hardness:** approx. 45 Shore A  
**Standard:** ISO 4823

PACKAGING

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



# Precision

heavy-bodied

Versatile, heavy-bodied, addition-curing impression material of absolute precision, delivered in the 75ml maxi cartridge.

Thanks to its special consistency and its final hardness, Precision can be used for the double mix technique - in the custom tray - as well as for impressions required for telescopic restorations, attachments and implants, and for basic correction impressions in the field of total prosthetics. Bisico® Precision can also be used for with the triple tray technique for partial impressions.

➤ **Recommended correction silicones:** Bisico® S2 suhy or Bisico® S4 suhy.

TECHNICAL DATA

**Consistency:** heavy  
**Colour:** orange  
**Linear shrinkage:** < 0,1%  
**Mixing time:** not applicable  
**Working time:** 2 min.  
**Setting time in the mouth:** < 3 min.  
**Final hardness:** approx. 64 Shore A  
**Standard:** ISO 4823, Type 1, high consistency

PACKAGING

**4x 75 ml**  
(incl. 16 mixing tips green)  
Art.No.: 71370

ACCESSORIES

**Mixing tips green, 50 pieces**  
Art.-No.: 01980  
**Mixing tips green, 100 pieces**  
Art.-No.: 01985  
**Dispenser 75 ml**  
Art.-No.: 01920

# ADDITION-CURING CORRECTION SILICONES

## S4 suhy

light-bodied

Addition-curing, extremely light-bodied correction impression material with superhydrophilic properties for use in all impression techniques.

Due to its excellent flowing and impression properties, the material develops, in the moist areas of a dental impression, a strong affinity to the moistened surfaces of the mucous membrane and the teeth. Avoiding air inclusions, the material flows to all critical areas and reproduces very fine contours. Residual liquids are flushed out through compression pressure and the material's super-hydrophilic properties. Its thixotropic properties prevent the material already applied from seeping away.

TECHNICAL DATA

**Consistency:** light-bodied  
**Colour:** violet  
**Linear shrinkage:** < 0.1%  
**Mixing time:** not applicable  
**Working time:** 2 min.  
**Setting time in the mouth:** < 3 min.  
**Final hardness:** approx. 50 Shore A  
**Standard:** ISO 4823, Type 3, low consistency

PACKAGING

**3 x 50 ml** (incl. 18 mixing tips yellow, 10 IOTs 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



**Mixing tips yellow, 50 pieces**  
Art.-No.: 01950  
**Mixing tips yellow, 100 pieces**  
Art.-No.: 01955  
**Dispenser 50 ml**  
Art.-No.: 01910



## S2 suhy

medium-bodied

Addition-curing, superhydrophilic, medium-bodied correction impression material.

S2 suhy can be used for the double mix technique in all areas of dentistry. The thixotropic property in conjunction with the specific flowing property assures stability even in difficult positions. The packaging of S2 suhy in cartridges allows for exact dispensing and automatic mixing.

TECHNICAL DATA

**Consistency:** medium-bodied  
**Colour:** red  
**Linear shrinkage:** < 0.1%  
**Mixing time:** Tubes: 30 sec. / cartridges: not applicable  
**Working time:** Tubes: 1:30 min./ cartridges: 2:00 min.  
**Setting time in the mouth:** < 3 min.  
**Final hardness:** approx. 55 Shore A  
**Standard:** ISO 4823, Type 2, medium consistency

PACKAGING

**Tubes 143 ml**  
(2 x 71.5 ml), Art.-No.: 01160  
**Cartridges 3 x 50 ml**  
(incl. 18 mixing tips yellow, 10 IOTs yellow) Art.-No.: 71730  
**Cartridges 6 x 50 ml**  
(incl. 30 mixing tips yellow),  
Art.-No.: 71210

ACCESSORIES

**Mixing tips yellow, 50 pieces**  
Art.-No.: 01950  
**Mixing tips yellow, 100 pieces**  
Art.-No.: 01955  
**Dispenser 50 ml**  
Art.-No.: 01910

## ALGINATES

### Chrominat

**Bisico® Chrominat is a precision chromatic alginate which changes colour to indicate the progress of setting.**

It is dust-, lead- and cadmium-free and has a creamy consistency. The colour changes from purple to pink and finally white. A pleasant vanilla flavour and fast setting in the mouth make for a good patient experience. The setting time can be influenced by changing the water temperature.

#### TECHNICAL DATA

**Detail definition:**  
better than 20 microns  
**Mix ratio:**  
12.5 g powder : 30 ml water  
**Mixing time by hand:** 45 sec.  
**Mixing time by machine:** 9 sec.  
**Setting time in the mouth:** 60 sec.  
**Standard:** ISO 21563

#### PACKAGING

**453 g bag**  
Art.-No.: 02240



### Green Algin

**Green Algin is a quick-setting, precision alginate with high detail definition and elasticity.**

Impressions are easy to remove from the mouth without deformation. Green Algin is dust, lead and cadmium-free and has a creamy consistency. A pleasant mint flavour and fast setting in the mouth make for a good patient experience.

#### TECHNICAL DATA

**Detail definition:**  
better than 20 microns  
**Mix ratio:**  
12.5 g powder : 30 ml water  
**Mixing time by hand:** 30 Sec.  
**Mixing time by machine:** 9 Sec.  
**Setting time in the mouth:** 60 Sec.  
**Standard:** ISO 21563

#### PACKAGING

**453 g bag**  
Art.-No.: 02250



## CONDENSATION-CURING IMPRESSION SILICONES



The condensation-curing Bisico® silicones are well-known for their top quality and their universal use. All condensation-curing Bisico® silicones can be used together with Bisico® Universal Paste Hardener or with Liquid Hardner A. The mix ratio given in the instructions for use and shown by the dosage scales on the tubs should be strictly followed. The mix ratios in the instructions refer to standard reaction times, as proven in dental practices. With a large or smaller amount of hardener, hardener, the reaction time can be shortened or prolonged. A variation of up to 30% is allowed and does not have any effect on the silicones. In general the red Bisico® Universal Paste Hardener is preferred, as it is easy to handle and allows a visual mixing control by developing a homogeneous colour during mixing.

### Plast

putty

**Kneadable condensation-curing preliminary impression material.**

The soft mixing consistency, makes this material a pleasure to work with. Bisico® Plast is mainly used as tray material for the double impression technique. It is also suited to make impressions in accordance with the double mix technique.



#### TECHNICAL DATA

**Consistency:** putty  
**Colour:** light grey  
**Mixing time:** not applicable  
**Working time (incl. mixing time):** 1:40 min.  
**Setting time in the mouth:**  
approx. 3 min.  
**Final hardness:** approx. 60 Shore A  
**Standard:** ISO 4823, Type 0, very high consistency

#### PACKAGING

**Tub 952 ml**  
Art.-No.: 00110  
**Bucket 6850 ml**  
Art.-No.: 00130



Exakt N

light-bodied

Condensation-curing,light-bodied correction silicone.

Bisico® Exakt N is a correction silicone with excellent flowing properties which is suitable for both the double impression technique and the double mixing technique. Curing is initiated by adding Universal Paste Hardener according to the instructions for use.

› In the lingual technique, Exakt N is also used for fabricating a transfer tray.

TECHNICAL DATA

**Consistency:** light  
**Colour:** blue  
**Mixing time:** approx. 30 sec.  
**Working time (incl. mixing time):** 1:40 min.

**Setting time in the mouth:** approx. 3 min.  
**Final hardness:** approx. 35 Shore A  
**Standard:** ISO 4823, Type 3, low consistency

PACKAGING

**340 ml**  
(2 x 170 ml tubes)  
Art.-No.: 00310



Universal Paste Hardener

Bisico® Universal Paste Hardener is suitable for use with of all condensation-curing Bisico® silicones.

It is easy to dispense according to the instructions or the dosage scale attached to all products. The stated setting times are average values which may vary depending on the quantity of hardener used (plus/minus 30 % max.) The red colouring allows a visual mixing control. Mixing is complete when the colour is homogeneous (no streaks).

PACKAGING

**45 g tube**  
**Colour:** red  
Art.-No.: 00950



Liquid Hardener A

The Bisico® Liquid Hardener A is suitable use with of all condensation curing Bisico® silicones.

When using Liquid Hardener A,visual mixing control is not possible since the material is colourless. The silicones, however, achieve a final hardness which is about 3 shore A higher. The mix ratio is indicated in the instructions supplied with the individual product.

PACKAGING

**25 ml**  
(normal setting time)  
Art.-No.: 00810

SILICONES FOR THE LINGUAL TECHNIQUE AND ALIGNER TECHNOLOGY

Especially for adult patients, orthodontic treatments is becoming increasingly important. The lingual technique and aligner technology are an innovative orthodontic treatment methods offering the following advantages:  
The fixed orthodontic appliance is installed in the lingual area and there are no brackets or bands to detract from the patient's cosmetic appearance during the wearing period.  
Aligner technology provides the patient with a sequence of thin and transparent plastic splints to treat minor tooth misalignment.

For the lingual technique, Bisico® plays an important role by supplying suitable high-precision silicones for impression taking and fabrication of the transfer tray.



Material for impression taking

S1 suhy	→ p. 8
S4 suhy	→ p. 11
Plicafol	→ p. 17



Material for fabrication of the transfer tray

Exakt N	→ p. 14
Lutesil 96	→ p. 47
Universal Paste Hardener	→ p. 14



## 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



#### PACKAGING

**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.-Nr.: 01980

**Mixing tips green, 100 pieces**

Art.-No.: 01985

**Mixing tips dynamic 5:1, 50 pieces**

Art.-No.: 01780



SUITABLE FOR:

S4 suhy  
S2 suhy

Precision

S4

Algi Press  
all 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 off to enlarge the opening, thus reducing the required injection pressure substantially.

#### PACKAGING

**IOT white, 50 pieces**

(for mixing tips pink or green)

Art.-No.: 01790

**IOT white, 100 pieces**

Art.-No.: 01795

**IOT yellow, 50 pieces**

(only for mixing tips yellow)

Art.-No.: 01960

**IOT yellow, 100 pieces**

Art.-No.: 01965



### Mixing pads

#### PACKAGING

**Mixing pad Exakt N, 25 sheets**

with dosage scale

Art.-No.: 21130

**Mixing pad white, 20 sheets**

Art.-No.: 21150

### 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.

#### PACKAGING

**100 pieces**

Art.-No.: 03910

### Other accessories

#### PACKAGING

**10 g Adhesive**

for impression trays

Art.-No.: 08210

**Pack of disposable brushes, 25 pieces**

Art.-No.: 01808

# Complete dentures prosthetics

Perfect border moulding and clean 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 fabricating complete dentures comprising all steps from the first impression through 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

putty

**Addition-curing special silicone material for making functional impressions for complete dentures and partial free-end dentures.**



The soft consistency of the material allows for moulding a functional edge with excellent contour accuracy of the valve edge. The hand-kneadable material is evenly applied on the tray border using the enclosed syringe. Additional moulding by hand helps to shape the functional edge in the mouth. As the setting period in the mouth is 60 - 90 seconds, all necessary functional movements have to be completed during this period.

### TECHNICAL DATA

**Consistency:** kneadable/putty  
**Colour (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, Type O, very high consistency

### PACKAGING

**300 g**  
(2 x 150 g)  
(incl. 1 application syringe,  
10 g adhesive)  
Art.-No.: 01350

## Perfect

super-soft putty

**Super soft impression material based on addition-curing silicone.**

The extra-soft consistency of this silicone makes taking an impression of the soft mucous membrane areas possible. It is, for example, used for impressions of the vestibule in order to reproduce the correct lip volume in the field of complete denture prosthetics. Bisico® Perfect can also be used for shaping functional edges and as tray material in the custom tray when applying the double mix technique.

### TECHNICAL DATA

**Consistency:** kneadable/super-soft putty  
**Colour (A/B):** white/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. 48 Shore A  
**Standard:** ISO 4823, Type O, very high consistency

### PACKAGING

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



## Mandisil

medium

**Addition-curing medium-bodied special silicone, non-thixotropic, for use in base correction impressions.**

The flow properties of Bisico® Mandisil are tailored specifically to the compression conditions of free-end dentures and complete dentures of the lower jaw. For base correction impressions required for complete lower dentures, it is recommended to use a mixture of Bisico® Mandisil and Bisico® S4 in order to cover the larger base surface of the upper jaw.



### TECHNICAL DATA

**Consistency:** medium  
**Colour (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, Type 2, medium consistency

### PACKAGING

**150 ml**  
(2 x 75 ml tubes)  
Art.-No.: 01220

## S4

light

**Light-bodied, addition-curing correction impression material.**

S4 is free of thixotropicity and thus very well suited to taking a control impression aimed at identifying pressure points or to make a base correction impression of the upper jaw in the field of complete denture prosthetics. Depending on the respective jaw conditions, a mixture of Bisico® S4 and Bisico® Mandisil can be recommendable.



### TECHNICAL DATA

**Consistency:** light  
**Colour (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 viscosity

### PACKAGING

**153 ml** (2 x 76,5 ml tubes)  
Art.-No.: 01260  
**3 x 50 ml cartridges**  
(incl. 18 mixing tips pink,  
10 IOTs white)  
Art.-No.: 71700

## Lutesil V

soft putty

**Condensation-curing special material for use in taking preliminary impressions in the field of complete denture prosthetics.**

As the initial consistency of the material is very soft, it is suitable for impressions taken using the “Ludwigs Technique“ (see page 22). The combination of 96 Shore A hard silicone and a steel splint ensure that, a stable, torsion-free preliminary impression is achieved. It can be easily trimmed with a knife, stone or bur.



### TECHNICAL DATA

**Consistency:** soft putty  
**Linear shrinkage:** < 0,1%  
**Mixing time:** 30 sec.  
**Working time(incl. mixing time):** 1:40 min.

**Setting time:** approx. 3 - 5 min.  
(at mouth temperature approx. 3 min.)  
**Final hardness:** approx. 96 Shore A  
**Standard:** ISO 4823, Type O,  
very high viscosity

### PACKAGING

**915 ml tub**  
Art.-No.: 00360  
**8540 ml bucket**  
Art.-No.: 00370



## 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 stock 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 for taking 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 custom tray with defined margins, the positional stability of which 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, the base material of 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.

Please ask for a detailed information  
brochure about the "Ludwigs-Technique"



## ACCESSORIES



### Application syringe for Bisico® Function

PACKAGING

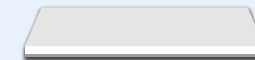
**10 ml**  
Art.-No.: 23110



### Adhesive

PACKAGING

**10 g**  
Art.-No.: 08210



### Mixing pads, white

PACKAGING

**20 sheets**  
Art.-No.: 21150



### Ludwigs Technique Splint

for stabilisation of  
preliminary impressions

PACKAGING

**5 pieces**  
Art.-No.: 08310



# Bite registration

Optimal bite registration.  
Quick and unbreakable.



## SILICONES



### Regidur® i

heavy

**Addition-curing, super-hard, quick-setting silicone material for bite registrations.**

With a final hardness of approx. 90 Shore A, this material is not only suitable for the registration of edentulous and partially edentulous, but also for bite registrations and jaw relation registration in complete denture prosthetics. Trouble-free finishing with a knife, stone or bur is possible. Using Regidur® i for registrations is particularly time-saving, as the material is applied directly from the cartridge into the mouth, and, with a setting time of only 45 seconds (maximum), patient discomfort is minimised. Due to the high final hardness of approx. 90 Shore A, precise occlusion of the working models, with no spring effect, is achieved. As the registration material has particularly good elastic properties, the risk of fracture is reduced to a minimum despite its extreme hardness.

TECHNICAL DATA

**Consistency:** heavy  
**Colour:** magenta  
**Linear shrinkage:** < 0.1%  
**Mixing time:** 30 sec.  
**Working time (incl. mixing time):** 15 sec.  
**Setting time in the mouth:** < 45 sec.  
**Final hardness:** approx. 90 Shore A

PACKAGING

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



### Regi-trans

medium

**Addition-curing, transparent bite registration material.**

Regi-trans can be applied directly from the cartridge into the patient's mouth, which is very time saving. Its high stability prevents accidental flowing off the teeth. Due to the material's transparency, the patient's occlusion during biting can be visually controlled. After approx. 1:30 min the registration material has hardened. In addition to this, Bisico® Regi-trans can be used for the intraoral or extraoral production of translucent moulds for the polymerisation of light-curing composite materials, which can be carried out either intraorally, using a hand-held curing light, or extraorally in a special light polymerisation device.

TECHNICAL DATA

**Consistency:** medium  
**Colour:** transparent  
**Linear shrinkage:** < 0.1%  
**Mixing time:** not applicable  
**Working time (incl. mixing time):** 30 sec.  
**Setting time in the mouth:** < 2 min.  
**Final hardness:** approx. 70 Shore A

PACKAGING

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

## Regidur® blue

putty

**Super-hard, condensation-curing special silicone for making bite registrations of edentulous and partially edentulous jaws.**

The initial consistency of the material is very soft and flexible. The extremely high final hardness of approx. 96 Shore A prevents any undesirable spring effect and makes an optimal registration possible. Trouble-free finishing with a knife, stone or bur is possible.



### TECHNICAL DATA

**Consistency:** kneadable/putty  
**Colour:** blue  
**Linear shrinkage:** approx. 30 sec.  
**Working time (incl. mixing time):** 1:30 min.  
**Setting time in the mouth:** approx. 2,5 - 3 min.  
**Final hardness:** approx. 96 Shore A

### PACKAGING

**300 ml**  
 (incl. 20 g Universal  
 Paste Hardener)  
 Art.-No.: 00530

## ACCESSORIES



### Dispenser 50

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

Art.-No.: 01910



### Mixing tips

#### PACKAGING

**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 green, 100 pieces**  
 Art.-No.: 01985

### 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.

#### PACKAGING

**BRT white, 50 pieces**  
 Art.-No.: 02100  
**BRT white, 100 pieces**  
 Art.-No.: 02105



# Temporary restoration

Aesthetic temporary restorations  
 - bubble-free and easily fabricated.





## TEMPORARY CROWN & BRIDGE MATERIALS



### Provi Temp K

Resin material on the basis of multifunctional acrylates, used for the fabrication of temporary crowns and bridges.

Provi Temp K has very good translucent properties and is available in four shades. Direct application out of the cartridge or mini syringe makes for economical and bubble-free application. Dosing and mixing are not necessary. Thanks to its excellent physical properties Provi Temp K is extremely resistant to fracture and abrasion. Both extraoral and intraoral fabrication are possible because heat development is minimal, so there is no risk of patient discomfort. The finished temporary can be polished and repaired with usual devices.

#### TECHNICAL DATA

**Shades:** A1, A2, A3, A3.5, Bleach

**Mixing time:** not applicable

**Working time:** 1 min.

**Setting time in the mouth:** approx. 3 min.

**Setting time until finishing:** approx. 6 - 7 min.

#### PACKAGING

**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.-No.: 73540

**Shade A2, 5 ml, 4:1**

(incl. 5 mixing tips brown 4:1)

Art.-No.: 73541

**Shade A3, 50 ml, 4:1**

(incl. 15 mixing tips light blue 4:1)

Art.-No.: 73570

**Shade A3, 5 ml**

(syringe 4:1 incl. 5 mixing tips brown 4:1)

Art.-No.: 73571

**Shade A3.5, 50 ml, 4:1**

(incl. 15 mixing tips light blue 4:1)

Art.-No.: 73580

**Shade Bleach, 50 ml, 4:1**

(incl. 15 mixing tips light blue 4:1)

Art.-No.: 73590

### Temp S

Temporary crown and bridge material.

Bisico® Temp S is a 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. By adding the appropriate proportion of “light” powder to the “universal” shade, the colour of the temporary can be customised. The material is resistant to fracture and abrasion and is easy to finish, polish and repair.

#### TECHNICAL DATA

**Shade:** universal, light

**Mixing time:** approx. 3 min.

**Working time (incl. mixing time):** approx. 5-6 min.

**Setting time in the mouth:** approx. 2-3 min.

**Setting time until finishing:** approx. 9-11 min.

#### PACKAGING

**100 g powder universal, 50 ml liquid, 1 mixing cup**

Art.-No.: 03120

**100 g powder universal**

Art.-No.: 12510

**100 g powder light**

Art.-No.: 03150

**50 ml Temp S liquid**

Art.-No.: 12520



## TEMPORARY CEMENT



### Provi Bond K

Eugenol-free, temporary attachment cement.

The cement can be applied direct from the cartridge or mini-syringe. As mixing with a spatula is not necessary, correct dosing is ensured. Provi Bond K has excellent adhesive strength on all widely used temporary restorations. The temporary is easy to remove without damaging the prepared tooth. Excess material that escapes when the temporary is placed can be removed without difficulty.

#### PACKAGING

**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

## ACCESSOIRES



### 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

#### PACKAGING

**Mixing tips light blue 4 : 1, 50 pieces**

(orange spiral)

Art.-No.: 03460

**Mixing tips light blue 4 : 1, 100 pieces**

(orange spiral)

Art.-No.: 03465

**Mixing tips brown 4 : 1, 50 pieces**

(orange spiral)

Art.-No.: 03480

**Mixing tips brown 4 : 1, 100 pieces**

(orange spiral)

Art.-No.: 03485



### Mixing tips for Provi Bond K

#### PACKAGING

**Mixing tips light blue 1: 1, 50 pieces**

(pointed, white spiral)

Art.-No.: 03450

**Mixing tips light blue 1: 1, 100 pieces**

(pointed white spiral)

Art.-No.: 03455

**Mixing tips brown 1 : 1, 50 pieces**

(pointed white spiral)

Art.-No.: 03470

**Mixing tips brown 1 : 1, 100 pieces**

(pointed white spiral)

Art.-No.: 03475

# Cements & Core build-up

Reliable cementing – of the highest standard.



## CEMENTS

### Cementime DC®

**Dual-curing, eugenol-free, semi-permanent luting cement for crowns and bridges on implants as well as for long-term temporaries, delivered in a mini syringe.**

Cementime DC® is produced on the basis of methacrylates and impresses with its excellent adhesive properties. In contrast to composite-based cements, Cementime DC® does not have any shrinkage, but a controlled slight expansion ensuring an excellent marginal seal within the superstructure. The high elasticity minimizes the pressure on the implant and thus reduces bone stress.

Cementime DC® contains zinc and has thus good antibacterial properties. As the user can apply the material directly out of the mini syringe, mixing with a spatula is not necessary and so correct dosing is always ensured. An extremely thin layer is necessary to achieve maximum fit accuracy. For inspection the temporaries can easily be removed without damaging the superstructure. Excess material that escapes when the temporary is placed can be removed without any problem. Cementime DC® is compatible with all kinds of material combinations.

#### PACKAGING

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

### Cem DC

**Bisico® Cem DC is a dual-curing, light-bodied micro hybrid composite material to be used for the permanent fixing of inlays, onlays, crowns, bridges and veneers.**

Bisico® Cem DC is extremely radiopaque and relatively highly filled, and has high mechanical strength. Its colour stability is very high. Cem DC is available in the shades, A2, A3 and white opaque (according to Vita).

#### PACKAGING

**Shade A 2, 5 ml syringe**  
(incl. 10 mixing tips brown, pointed)  
Art.-No.: 75241  
**Shade A3, 5 ml syringe**  
(incl. 10 mixing tips brown, pointed)  
Art.-No.: 75240

**Shade white opaque, 5 ml syringe**  
(incl. 10 mixing tips brown, pointed)  
Art.-No.: 75242







## E-Cem DC

E-Cem DC is a self-etching, dual-curing cement which can be universally used for permanent cementation of all-ceramic and metal work and composite restorations, and for cementation of root posts.

E-Cem DC is characterised by an excellent colour stability and tooth-like fluorescence, so highly esthetic restorations are achieved, especially with translucent ceramics.

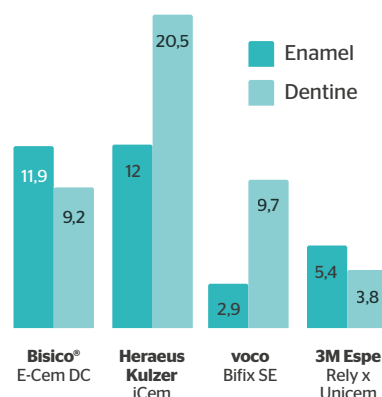
Due to the translucent colour of E-Cem DC, the marginal seal between tooth and restoration is not visible. There is no risk of discoloration of the cement. The fast and easy application, where no etching, priming or bonding is required, is time-saving and is stress-free for the tooth. Excellent bond strength values and optimal setting behavior, characterised by a low degree of shrinkage at the beginning and a subsequent slight expansion, assure permanent restorations without any formation of cracks or capillary gaps. Due to its gel-like consistency, E-Cem DC can be applied in a very thin layer and excess material can be removed easily. Post-operative sensitivities are prevented by the quick neutralization of the pH, which makes E-Cem DC an ideal self-etching cement. E-Cem DC is available in the shade "translucent".

### PACKAGING

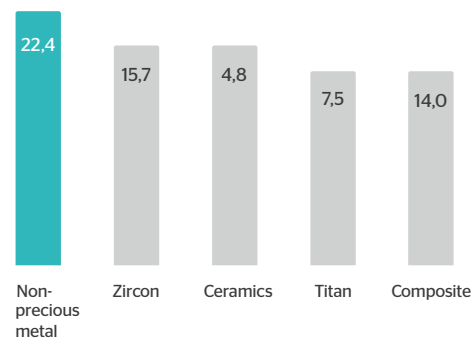
#### 5 ml syringe 4:1

(incl. 15 mixing tips brown 4:1)

Art.-No.: 75340



Shear bond strength on enamel and dentine (MPa)



Shear bond strength on different restorative materials (MPa)

## GLASS- IONOMER CEMENTS

### Bisico® Glass Cem

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

It is available in a handmix version or in the convenient Aplicap™ System, which offers simple handling, constant working properties and reliable quality. 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.

### ADVANTAGE

- ✓ 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

### PACKAGING

**Glass Cem hand mix, 35 g powder, 20 ml liquid**  
Art.-No.: 75060  
**Glass Cem capsules, 50 pieces**  
Art.-No.: 75061



### Bisico® Glass Fill

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

Bisico® Glass Fill is suitable for:

- ✓ 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

Bisico® Glass Fill is available in a hand mix version or in the convenient Aplicap™ System, which offers simple handling, constant working properties and reliable quality. It is not sensitive to moisture during storage, so it has an excellent durability. It is resin-free and is characterized by a very good biocompatibility and high radiopacity. Bisico® Glass Fill has an enhanced transparency because some of the components that are responsible for the coloration, are dissolved in the liquid.

### ADVANTAGE

- ✓ 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
- ✓ Excellent stable setting time

### PACKAGING

**Glass Fill hand mix, 35 g powder, 20 ml liquid**  
Art.-No.: 75090  
**Glass Fill capsules, 50 pieces**  
Art.-No.: 75091



# CORE BUILD-UP



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Zahnarzt Klaus Ludwigs



## Repo-Core DC

Repo-Core DC is a dual-curing, flowable, radiopaque composite material used for core build-ups and cementation of roots.

It is available in the 5 ml mini syringe or in the 25 ml microcartridge. The curved application tip to be put on the cartridge or the intra oral tip makes bubble-free application directly in the cavity or around the root post possible. Repo-Core DC has a curing time with very low heat development. Its dual-curing property allows the dentist to carry out core build-ups even in those cases in which there is not sufficient light for a complete curing or in which the necessary light efficiency cannot be ensured. Thanks to its high final hardness, Repo-Core DC can be finished like natural dentine.

### PACKAGING

**Shade A 3, 25 ml cartridge**

(incl. 15 mixing tips light blue, 15 IOTs yellow) Art.-No.: 75220

**Shade A3, 5 ml syringe**

(incl. 10 mixing tips Core, 10 IOTs Core)  
Art.-No.: 75200

**Shade blue, 25 ml cartridge**

(incl. 15 mixing tips light blue, 15 IOTs yellow) Art.-No.: 75230

**Shade blue , 5 ml syringe**

(incl. 10 mixing tips Core, 10 IOTs Core)  
Art.-No.: 75210

# ACCESSOIRES



## Mixing tips for Cements

### PACKAGING

**Mixing tips brown, pointed 1:1,  
50 pieces**

Art.-No.: 03470

**Mixing tips brown 4:1,  
50 pieces**

Art.-No.: 03480

## Mixing tips for Core Build-Up

### PACKAGING

**Mixing tips light blue, flat 1:1,  
100 pieces**

suitable for Repo Core DC 25 ml

Art.-No.: 03525

**Colibri, needle mixing tips, N11  
light blue, 25 pieces**

Art.-No.: 03570

**IOT yellow, 50 pieces**

Art.-No.: 01960



**Mixing tips Core (syringe), brown,  
50 pieces**

Art.-No.: 03510

**IOT Core (syringe),  
50 pieces**

Art.-No.: 01800

**Colibri, needle mixing tips , N11  
brown, 25 pieces**

suitable for Repo Core DC

Art.-No.: 03790

**Dispenser 25 ml, 1:1**

Art.-No.: 01940

# Composites & Adhesives

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



## LIGHT-CURING COMPOSITES



### Bisico Nanofill n®

Bisico Nanofill n is a nano filled, light-curing, highly polishable high radiopacity nano composite with substantially improved handling.

Bisico Nanofill n is easy to model, it is stable and does not stick to the instrument. Thanks to its high aesthetic and excellent physical data Bisico Nanofill n is a versatile material which can be use in both the anterior and posterior dentition. The ultra-fine nanofillers ensure extremely homogeneous and high-polish restorations can be produced. The use of various kinds of fillers of different sizes makes the material very dense, with a total filler content of 83.54 wt%. Thus the polymerisation shrinkage is reduced considerably, at below 2%. Bisico Nanofill n is highly radiopaque. With the wide range of attractive shades and opacities, it is easy to produce natural-looking restorations. Eight dentine shades, one opaquer and one incisal shade are available.

#### PACKAGING

##### Starting set syringes

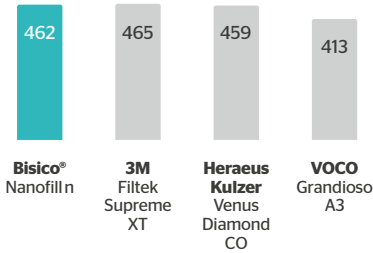
- 6 x 4 g syringe, Shade: A2 / A3 / A3,5 B2 / C / EW (by VITA®)
- Bond LC, 5 ml
- Etch, 2 ml
- Nanofill flow, 2 g Art.No: 75030

##### Refill syringes 4 g

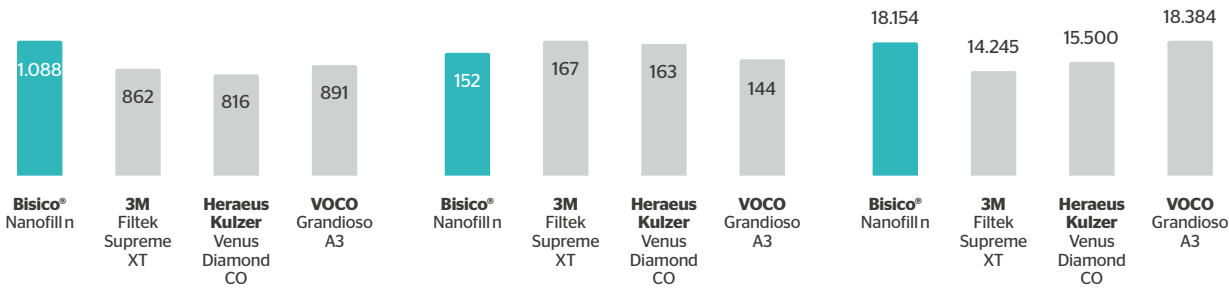
- A1:** Art.-No: 74080
- A2:** Art.-No: 74000
- A3:** Art.-No: 74010
- A3,5:** Art.-No: 74020
- A4:** Art.-No: 74090
- B1:** Art.-No: 74100
- B2:** Art.-No: 74030
- B3:** Art.-No: 74110
- EW:** Art.-No: 74050
- Clear:** Art.-No: 74040
- OA:** Art.-No: 74040

##### Compules 0,3 g

- A1:** Art.-No: 74081
- A2:** Art.-No: 74001
- A3:** Art.-No: 74011
- A3,5:** Art.-No: 74021
- B2:** Art.-No: 74031
- Clear:** Art.-No: 74041



Compressive strength (MPa)



Vickers hardness (MPa)

Flexural strength (MPa)

Elastic modulus (MPa)

Micro Esthetic

Light-curing microhybrid composite.

Micro Esthetic is suitable for all kinds of restorations and is characterised by excellent modelling properties and high polishability.. High resistance to abrasion and a particularly aesthetic appearance make it suitable for application in the anterior and posterior dentition. Bisico® Micro Esthetic clearly surpasses the requirements of the ISO 4049 standard.

ADVANTAGE

- ✓ Aesthetic appearance, also in artificial light
- ✓ Very high resistance to abrasion through particularly dense filler structure with particle sizes of 0.05 - 1.5µm
- ✓ Excellent polishing properties
- ✓ Excellent modelling properties and adaptability to cavity margins and walls
- ✓ Transparency and translucency are adapted to the natural tooth substance.
- ✓ High radiopacity > 210% AI

PACKAGING

Starting set with screw syringes

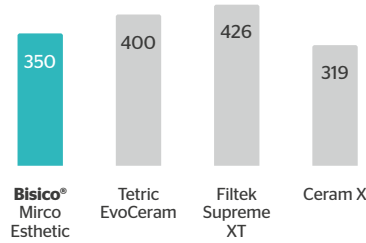
- 6 x 5 g syringes  
Shades: A1, A2, A3, A3.5, B2, OA (according to VITA®)
- Etch, 2 ml
- Bond LC, 5 ml  
Art.No: 75050

Refill syringes of 5g

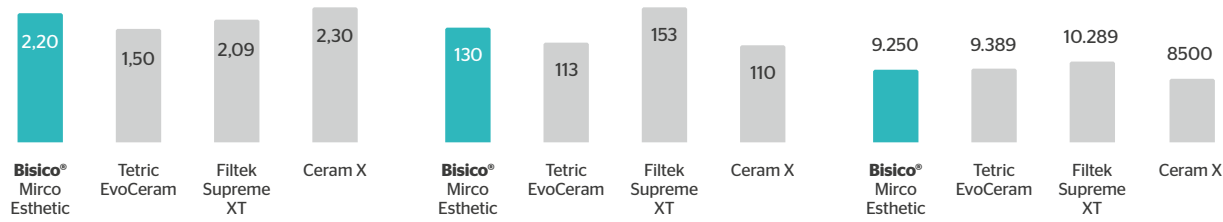
- A1:** Art.-No: 75003
- A2:** Art.-No: 75000
- A3:** Art.-No: 75001
- A3,5:** Art.-No: 75002
- A4:** Art.-No: 75007
- B1:** Art.-No: 75008
- B2:** Art.-No: 75004
- OA:** Art.-No: 75005
- Clear:** Art.-No: 75009
- Bleach:** Art.-No: 75012

Compules of 0,3 g

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



Compressive strength (MPa)



Shrinkage (MPa)

Flexural strength (MPa)

Elastic modulus (MPa)

FLOWABLE COMPOSITES

Bisico® Bulk Fill

The all-rounder with perfect flow properties.

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

Indications

- Base restoration with layer thicknesses up to 4 mm in the case of class I and II cavities
- Cavity lining - as the first layer for class I and II cavities

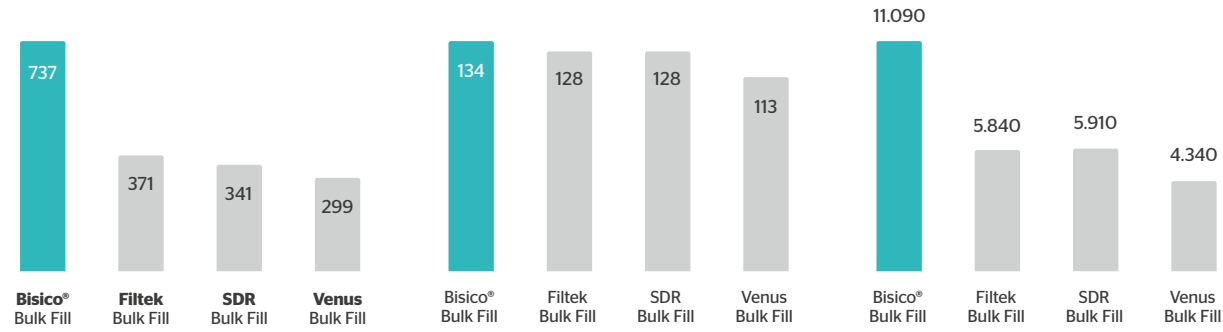
Thanks to its consistency, it is malleable and flows very well around the walls of the cavity. The thin application cannulas of the Bulk Fill Fillies enable secure application and bubble-free adaptation of the composite to the walls and floor of the cavity. The high proportion of fillers and a high degree of elasticity, guarantees shrinkage of less than 3%. Because of the chameleon effect of Bisico® Bulk Fill in the universal dentine colour, the restoration perfectly matches the natural colour of teeth and is practically invisible. Restorations with Bisico® Bulk Fill can be easily finished and polished. Bisico® Bulk Fill is free of bis-GMA; which proves an extremely high degree of biocompatibility.

PACKAGING

20 x 0.25 g Compules  
Art.-No: 75052

ADVANTAGE

- ✓ **Stable** - Excellent physical properties, low shrinkage, high degree of elasticity
- ✓ **Time-saving** - Easy, fast processing using the bulk fill technique, 4-mm layer thickness
- ✓ **Aesthetic** - Universal dentine colour with natural colour matching
- ✓ **Flowable** - Excellent adaptation to the floor and walls of the cavity
- ✓ **Highly viscous** - Malleable, no additional layer necessary
- ✓ **Radiopaque** - Reliable diagnoses thanks to a high degree of radiopacity
- ✓ **Bis-GMA-free** - Optimised biocompatibility



Vickers hardness (MPa)

Flexural strength (MPa)

Elastic modulus (MPa)



## Micro Esthetic flow-viscous

**Micro Esthetic flow-viscous is a flowable, highly viscous, highly radiopaque (210% AL), light-curing nanohybrid composites for restoring small class I-III cavities, and also class V cavities.**

In addition to this, it can be used for fissure sealings, underfillings, corrections of enamel defects, blocking out of undercuts, and minor shape and colour corrections to the enamel. Micro Esthetic flow-viscous is compatible with all customary bondings.

### ADVANTAGES

Due to its optimized flowing behaviour, Micro Esthetic flow-viscous even penetrates into areas that are difficult to reach, so it is suited for cavity linings under our composites Micro Esthetic or Nanofill n. The high filler content of 72 wt% glass filler ensures the high viscosity of the flow composite. There is no running or dripping of the flow composite and it allows a highly precise application. This makes minimal invasive restorations of class V easier. Excellent mechanical properties such as a low polymerisation shrinkage, an extremely high abrasion resistance and high flexural strength are further key properties. As this new composite does not contain bis-GMA the patient's sensitization is reduced and its biocompatibility is increased.

### PACKAGING

**2 g syringes**  
(incl. 5 Appli-Tips silver)

**Shade A1**  
Art.-No.: 75075  
**Shade A2**  
Art.-No.: 75070  
**Shade A3**  
Art.-No.: 75071  
**Shade A3,5**  
Art.-No.: 75072



## Nanofill flow

**Based on nanotechnology, Nanofill flow is a flowable, light-curing filling material for class III to V cavities.**

Optimal flowing properties along with high filler ratio, low polymerisation shrinkage, the high abrasion resistance and flexural strength as well as the exact colour matching ensured by Nanofill n are the most important properties Nanofill flow is known for.

### PACKAGING

**2 g syringes**  
(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



## ACCESSOIRES COMPOSITES



## COMPO-JECT

made by Ronvig

**Very easy-to-use applicator for dental composite materials in manufacturer prefilled unit dose tips (Compules or Fillies) 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



## Colour ring Nanofill

### PACKAGING

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

## Appli-Tips

### PACKAGING

**Black (0.8 x 13 mm)**  
**100 pieces**  
Art.-No.: 75151  
**Silver (1.1 x 13 mm)**  
**100 pieces**  
Art.-No.: 75152



# ADHESIVES



## E-Bond LC

**E-Bond LC is a self-etching, light-curing one-component adhesive and can be used in combination with all light-curing composite materials available on the market.**

It develops a very strong bonding of composites to enamel and dentin. With bond strength values of 24 and 22 Mpa on enamel and dentine E Bond LC is one of the top products used in this field. E-Bond LC ensures a long-lasting high marginal seal between composite and enamel/dentin and thus prevents secondary caries. A long-lasting stability of the restorations is the result. Another important advantage is the time saving due to the simple handling. The bothersome etching of enamel and dentine is no longer necessary. With E-Bond LC etching, priming and bonding are done in a single step. The simple application of the material onto the moist enamel and dentin is sufficient to produce a durable, long lasting restoration. E-Bond LC does not contain any solvents and can be stored at room temperature.

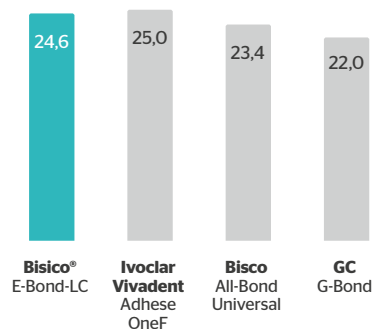
### PACKAGING

#### 5 ml bottle

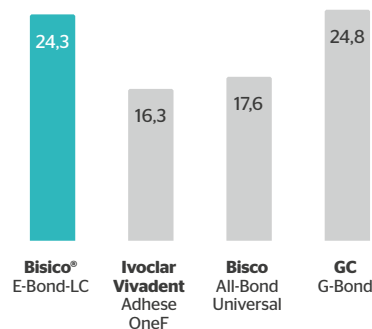
(incl. 1 brush holder blue, 25 disposable brushes, 4 mixing palettes black (6 -well))  
Art.-No.: 75265

#### 3 x 5 ml bottles

Art.-No.: 75266



**Shear bond strength on dentine (MPa)**



**Shear bond strength on enamel (MPa)**

## E-Bond DC

**E-Bond DC is a self-etching and dual-curing bonding system which is easy to apply.**

It creates strong bonding of composite materials, compomers and resin-modified glass ionomer cements to enamel and dentine. In a single application, E-Bond DC does all the jobs for which existing systems require several separate steps: etching, cleaning, bonding and desensitizing. In this way, you can save a lot of time, and post-operative sensitization can be avoided. Due to its dual-curing property, even those areas which cannot be reached by the curing light can be treated without any problems.

### PACKAGING

#### Set with 2 x 5 ml bottles

(black and red)

- 25 disposable brushes
- 1 brush holder
- 4 mixing palettes, black (6-well)

Art.-No.: 75250



## Bond LC

**Bond LC is a light-curing one-component priming and bonding system which is easy to apply.**

It was developed for powerful bonding of composites, compomers and metals to enamel, dentine and both precious and non-precious metals. Bond LC is suitable for impregnating root canals before filling and for cementing root canal posts. It can also be used as primer for indirectly bonding restorations e.g. for ceramic, metal and composite inlays, onlays, veneers and crowns and bridges that are fixed with a dual-curing cement. Bond LC is compatible with all ight-curing composite materials currently available on the market. Based on ethyl alcohol, it has strong hydrophilic properties. For this reason, Bond LC can be applied, according to the wet bonding technique, onto slightly moist dentin surfaces.

### PACKAGING

#### 5 ml bottle

(incl. 25 disposable brushes, 1 brush holder, 4 mixing palettes black (6-well))  
Art.-No.: 75260



## Aktivator SC

**By adding Bond Aktivator SC, the light-curing Bond LC is transformed into a dual-curing bonding system.**

Thus it can also be used for those areas which cannot be reached with the curing light.

Please note: The etching procedure is, however, still necessary!

### PACKAGING

#### 5 ml bottle

Art.-No.: 75270

## ETCHING GEL



### Best Etch

**Best Etch is an etching gel with excellent thixotropic properties and is based on 37% phosphoric acid.**

The appli-tips enclosed make an easy and safe application possible to those areas where the etching is required. The blue colouring facilitates precise application onto the enamel and dentine.

#### PACKAGING

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

**25 ml syringe**  
(incl. 50 Appli-tips blue,  
8 refill syringes 3 ml,  
8 adapters)  
Art.-No.: 75282



## CERAMIC RESTORATION WITHOUT ACID ETCHING

#### PACKAGING

##### Multi Repair Set

- Multi Repair Primer, bottle 3 ml
  - Multi Repair Bond, syringe 1 g
  - Multi Repair Opaquer, syringe 3 g
  - Accessories
- Art.-No.: 76100

##### Multi Repair Primer

- 3 ml bottle
- 1 brush holder
- 10 disposable brushes white
- 2 mixing palettes black (6-well)

Art.-No.: 76010

##### Multi Repair Bond

- 1 g syringe
- 10 Appli-Tips
- 1 brush holder
- 10 disposable brushes red

Art.-No.: 76020

##### Multi Repair Opaquer, light

- 1 brush holder
- 10 disposable brushes

Art.-No.: 76030

### Multi Repair Set

**The harmonized products of the Multi Repair Set "Primer, Opaquer and Bond" allow the immediate repair of fractured ceramic veneers in only one session, intraorally and without acid etching. The treatment can be carried out without any stress for the patient.**

#### ADVANTAGES

- ✓ No new fabrication of metal-ceramic work
- ✓ Safety for the patient because no acid etching required. Introral working is no problem.
- ✓ Time saving because no preparatory acid etching and no rubber dam is necessary.
- ✓ Visual control of the complete application because of the green colouring of MultiRepair Bond.
- ✓ Polymerization control by neutralizing the green colouring after setting.
- ✓ Excellent bond strength of the Multi Repair Primer on metal and ceramic (21- 23 Mpa).
- ✓ After only 6 minutes the repair can be finished with available composite material.
- ✓ All standard curing lights on the market can be used (halogen, LED, plasma lamp).

## ADHESIVE ACCESSORIES



### Appli-Tips

#### PACKAGING

**Black, 100 pieces**

Art.-No.: 75151

**Blue, 100 pieces**

Art.-No.: 01806



### Brushes

#### PACKAGING

**Brush holder, blue, 1 piece**

Art.-No.: 01804

**Brush soft, white, 100 pieces**

Art.-No: 01803

**Brush hard, red, 100 pieces**

Art.-No.: 01809



### Mixing palettes

#### PACKAGING

**Plastic, black, 50 pieces**

with 6 wells

Art.-No.: 01802

# Laboratory products

Useful consumables for dental technicians.



## KNEADABLE SILICONES

### Labosil blue

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 preliminary impressions, 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

**660 ml** (2 x 330 ml)  
Art.-No.: 01010  
**6600 ml** (2 x 3300 ml)  
Art.-No.: 01020

### Lutesil 96

putty

Super-hard, condensation-curing special material primarily used in the lingual technique.

Once it has set, the silicone reaches a final hardness of 96 Shore A, which ensures the correct positioning of the brackets and makes it possible to separate the tray in case of repair following bracket loss. Lutesil 96 can also be used for producing bite rims, indexes and fixing occlusions and is easy to trim with a knife, stone or bur.



TECHNICAL DATA

**Consistency:** putty  
**Mixing time:** 30 sec.  
**Working time(incl. mixing time):** 1:40 min.  
**Setting time:** approx. 5 min.  
(at 37° approx. 3 min.)  
**Final hardness:** approx. 96 Shore A  
**Standard:** ISO 4823, TYP 0, very high consistency

PACKAGING

**915 ml tub**  
Art.-No.: 00290  
**8540 ml bucket**  
Art.-No.: 00295



# SOFT RELINING MATERIAL

## Softbase



Permanently soft denture relining material.

The most important feature of Softbase is its extraordinary long-term stability. The Softbase primer enclosed ensures an excellent permanent between the denture base and the relining material. Softbase is a 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. 4:30 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 Art.-No. 93810  
■ 6 mixing tips pink  
■ 4 ml Softbase Primer  
■ 2 x 5 ml Softbase Varnish  
■ 1 brush set  
■ 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 fabricating custom trays.

Bisi-Tray is available in the colour pink and blue. Bisi-Tray is extremely stable and distortion-resistant, and has high flexural strength and fracture resistance. The prefabricated templates ensure that the thickness of the material is the same in all areas of the tray. Bisi-Tray can be cured with all types of light-curing devices used in dental labs. It is, of course, easy to shape and can be finished with conventional rotary instruments.



PACKAGING

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

**Light-protection box with 50 pieces blue**  
Art.-No.: 03270

# 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**  
85 ml pump spray  
Separator: Silicone / Silicone  
Art.-No.: 05420

# GYPSUM

## Synth-Rock

Type IV dental stone.



Bisico® Synth-Rock is a synthetic Type IV dental stone which is primarily used to produce high-quality dies and master casts for the precious metal technique and partial dentures. The creamy consistency and the flowing properties ensure that the surface of the models is absolutely free of bubbles and all fine details of the impression are reproduced. The snap effect makes a long working time and short setting time possible. Thus several models can be produced at the same time. Thanks to its high edge strength, the model can be trimmed and prepared such that it is free of burs. As the expansion is adapted to the shrinkage values of addition-curing silicones, contour accuracy of the models is assured.

TECHNICAL DATA

**Colour:** gold-brown  
**Mix ratio:**  
100 g powder : 20 ml water  
**Mixing time:** 30 - 45 sec. under vacuum  
**Working time (incl. mixing time):** 4 - 5 min.

**Setting time at room temperature:** approx. 30 min.  
**Compressive strength after 2h:** 53 N/mm²  
**Hardness after 24 h:** 220 N/mm²  
**Expansion:** approx. 0.09%  
**Standard:** ISO 6873

PACKAGING

**3.75 kg pack**  
Art.-No.: 02110  
**Box, 20kg**  
Art.-No. 02140

## Synth-Dur

Type III universal dental stone.

Bisico® Synth-Dur is a synthetic Type III dental stone. As the colour of the gypsum is natural white, it can also be used safely for investment of heat-curing (Positioner or BISICO Lutemoll). Due to the specific properties of this kind of gypsum, it is particularly suitable for orthodontic applications. The expansion of 0.14 % is low and thus meets the requirements of dental work.

### TECHNICAL DATA

**Colour:** white

**Mixing:** dependant on the purpose, if possible under vacuum

**Mixing time:** 30 – 45 sec.

**Working time (incl. mixing time):** 3 – 4 min.

**Setting time at room**

**temperature:** approx. 25–30 min.

**Compressive strength after 2 h:** 36 N/mm²

**Hardness after 24 h:** 180 N/mm²

**Expansion:** approx. 0.14 %

**Standard:** ISO 6873

### PACKAGING

**25 kg paper sack**

lindes with foil

Art.-No.: 02170



## DUPLICATING 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

**Colour:** pink

**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 methymethacrylates, which fabricate a good, long-term bond between acrylics / composites and all types of metal.

Special 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

## FIXING MATERIAL

### Lutefix

putty

**Kneadable, reusable blocking-out and fixing material.**

It can be used, for example, for blocking out undercuts when making duplicate models or when fabricating silicone impressions (e.g. sanitary bridges).

### PACKAGING

**Pack contains approx. 475 g**

Art.-No.: 02010





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