



Dentamid Catalogue 21

Products for dental practice
and laboratory



Dreve, 70 years!

A good reason to celebrate, but not a reason to rest.

Jubilees are always a popular cause to have a look back and draw the balance: Not long after its foundation as a small dental laboratory, Dreve has become an internationally recognized and innovative manufacturer of high-grade products for dental clinics and laboratories. We connect years and years of practical experience with state of the art technical know-how and most recent scientific developments. The result: More than 80 patents, business relations in over 100 countries, and products focusing on you, our customer and most important indicator.

For us a standstill means a step back. Consequently we find more and more connections between conventional and CAD/CAM processes in various working areas in the dental lab and clinic. Already today we synergize the best of both worlds in our sophisticated portfolio. Whether analogue or digital: It has always been our target to provide products that help our customers to optimize processes to their entire satisfaction.

We are happy that you rely on our competence and let us accompany you on the exciting journey into the digital future. I would like to take this opportunity to thank you for your loyalty and confidence in the last 70 years on behalf of the family and all employees.



Sincerely yours

Dr. med. dent. Volker Dreve

Guarantee

When manufacturing our products, our staff uses selected materials fulfilling the highest technical requirements. Most careful processing guarantees, in addition to our years of experience, an excellent quality level. Our product systems – which means units, materials and appliances – are perfectly matched, as they are tested and developed in our laboratories every day. Due to the years of experience we are able to guarantee a minimum durability of 2 years from date of production on most of our materials. Of course, we are at your disposal after the acquisition of a product.

Service

A full range of additional services belongs to our performance. Professionally educated dental technicians are at your disposal on our hotline to answer your questions about our products. High-ranking experts from Germany and abroad introduce you to our product systems by means of training courses and seminars. Practical training in our education rooms assumes an important place in the further education programme of Dreve Dentamid GmbH. Information about current presentations can be required day and night on our website www.dreve.com.

Quality





























The quality standard of Dreve products, of course, follows the current level of science. Dreve Dentamid GmbH is certified according to DIN EN ISO 9001, DIN EN ISO 13485 and Directive 93/42/EWG, Annex II. Security for patients, dental technicians and dentists by use of biocompatible products is Dreve's main focus.

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Legend

You may already have noticed yourself: We recognize contents of pictures a lot faster than of texts. 60 times faster, to be precise. You will find many new icons in this catalogue, so you can keep facts and numbers in mind easily.

| | | |
|--|--|---|
|  Hardness, compressive strength, compressive hardness |  Consistency |  Colour |
|  Viscosity |  Film thickness |  Mixing time |
|  Processing time |  Period inside mouth |  Deflasking after |
|  Final curing |  Recovery from deformation |  Deformation under pressure |
|  Shrinkage |  Tensile strength |  Tear resistance |
|  Elastic modulus |  Flexural strength |  Tensile-/ Break-/ Bending strength |
|  Voltage / Operating voltage charger |  Power consumption |  Polymerisation peak |
|  Pressure |  Temperature range |  Water filling capacity |
|  Dimensions (HxWxD mm) |  Weight | |
|  Usable blank |  Inner dimensions pressure pot, -chamber (HxWxD mm) |  Time programs, time unit |

NEW: Application tips from our experts



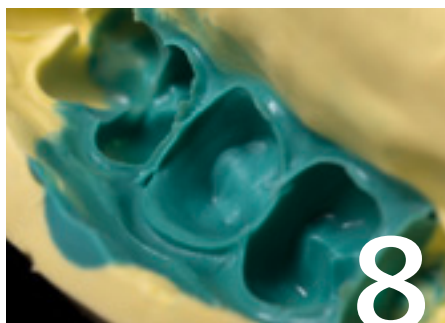
Innovative products from tradition

In perfect shape for you

Impression silicones

Silicone products are one of our core competences. Innovative and economical at the same time: We make this claim to ourselves and our products alike. This is made possible with high-quality raw materials, qualified employees and certified manufacturing processes.

From the transparent impression silicone to the scannable bite registration – our strict quality standards guarantee the consistently high quality that is essential for your daily work.



Almost too good to serve as gap filler only

Temporary C&B materials

Fixtemp C&B materials offer outstanding technical values and convince by a setting temperature which is not damaging the dental pulp. They are easy to apply, very precise and reach the soft-elastic phase after just 90 seconds.

In addition to an extension of the colour scale, Fixtemp 10:1 now offers a composite that, thanks to improved physical properties, simplifies the fabrication of temporary crowns and bridges as well as inlays and onlays while ensuring superior fit.



Dreve sets standards

3D printing

Leader in detail precision in DLP resin production: With the FotoDent® product world, you benefit from our longstanding expertise with many innovations in medical 3D printing. Perfectly matched systems meet your requirements in CAD/CAM application, enabling you to obtain better results, more precise and longer lasting.

And if you prefer to have it printed: Print@Dreve is your convenient order portal. The dental models can be delivered straight to the laboratory in the highest precision of detail at the push of a button.



Pioneering for decades

Thermoforming technique

We have certainly revolutionised dental technology with the introduction of thermoforming. Still convinced of this process, we continue to work on improving thermoforming technique with high-end equipment and specialised blanks.

Convince yourself of the many possible applications – from individual sports mouthguards to the anti-snoring splint.



Strong alone, stronger together

The resin pouring technique

Functional, aesthetic, custom-fit: With Castdon we offer an unbeatable, complete cold-curing system for the resin pouring technique. In contrast to the hot polymer, dentures made of Castdon resin have a significantly lower shrinkage. In addition, the processing is easier, faster and cleaner.

Are you still unsure in the application? We regularly offer workshops on the topic, held by experienced experts.



Let there be light

Light polymerisation

Light-curing materials are among the most common laboratory helpers in the dental daily laboratory use. Without these and the appropriate equipment many elementary work steps cannot be adequately performed. This is why we constantly research innovations in the field of light curing. The replacement of light tubes by LEDs in our units is a shining example for simplified, more economical work processes.



Runs like a charm

Laboratory silicones

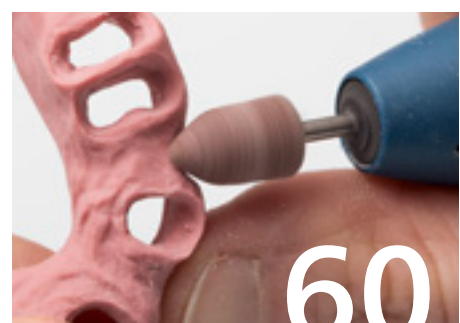
Laboratory silicones have been a fixed component of our product portfolio since the company was founded. Over the years, we have become specialists in dental silicones. We are proud of our product diversification with a wide range of services for everyday work in the dental laboratory – from duplicating to positioner silicone.



The finishing touch

Products and accessories

Small but powerful: Often it is tiny details that distinguish the quality of a piece of work. That's why we dedicate ourselves to the little things with the utmost care and commitment – from the model stump material to the mixing canula. We also set the highest quality standards for our accessories with the guiding principle "Everything from one source". Always with the aim to provide a quality product available for the user.



Dynax® silicones

A whole system for impression taking.

Our Dynax® silicones guarantee both: precision and ease of use. High hydrophilic properties provide excellent impression precision. Our innovative snap-effect enables long processing time but short time in the patient's mouth. The whole impression process takes less than 3 minutes.

- ⊕ **Snap-effect**
- ⊕ **Optimised hydrophilic properties**
- ⊕ **Scannable surface**
- ⊕ **Improved mechanics**



Visual control of the implant impression with Dynax® clear

Dynax® putty

Addition-curing putty impression silicone. Non-sticky, easily kneadable consistency. Suitable for sandwich-, correction double mixing technique and valve border impressions. Combinable with Dynax® light.

| | |
|------------------------------------|-------|
| 2 x 450 ml tubs with dosing spoons | D6101 |
| 380 ml cartridge | D6150 |



Dynax® heavy body

Stable, addition-curing "tray-type" silicone. Pressure developing consistency with thixotropic characteristics. Especially suitable for sandwich, correction and double mixing technique. Can be combined with Dynax® light.

| | |
|--|-------|
| 2 x 50 ml double cartridges with 6 mixing tips | D6112 |
| 8 x 50 ml double cartridges | D6113 |
| 380 ml cartridge | D6140 |

Dynax® light

Light bodied, addition-curing correction silicone. Thixotropic, thin flowing correction material (light body) with high detail precision. Suitable for the correction technique can be combined with Dynax® clear, putty, heavy body and mono.

Tip: Dynax® materials are perfectly matched with each other. For best detailed impression we recommend to use Dynax® light only with hydrophilic base material Dynax® putty and Dynax® heavy body.

| | |
|---|-------|
| 2 x 50 ml double cartridges with 12 mixing tips | D6103 |
| 8 x 50 ml double cartridges | D6104 |





Dynax® mono

Addition-curing monophase impression silicone. Thixotropic and stable. Suitable for the monophase method, can be combined with Dynax® light.

| | |
|--|-------|
| 2 x 50 ml double cartridges with 6 mixing tips | D6106 |
| 8 x 50 ml double cartridges | D6107 |
| 380 ml cartridge | D6120 |



Dynax® clear

Clear, transparent, addition-curing, monophase impression silicone ensures a perfect control already during the impression-taking. Excellent flowing-characteristics. Especially suitable for the implant impression-taking. Can be combined with opaque correction silicone Dynax® light.

| | |
|--|-------|
| 2 x 50 ml double cartridges with 6 mixing tips | D6121 |
| 8 x 50 ml double cartridges | D6122 |



| Dynax® putty | 1:30 min. | 1:30 min. | 60 Shore A | kneadable – type 0 | sunny yellow |
|-------------------|-----------|-----------|------------|--------------------|-----------------|
| Dynax® heavy body | 1:30 min. | 1:30 min. | 70 Shore A | high – type 1 | sky blue |
| Dynax® light | 1:30 min. | 1:30 min. | 46 Shore A | low – type 3 | emerald green |
| Dynax® mono | 1:30 min. | 1:30 min. | 58 Shore A | medium – type 2 | lavender violet |
| Dynax® clear | 1:30 min. | 2:00 min. | 60 Shore A | medium – type 2 | transparent |

Impression taking Impression silicones

Zerosil® soft

Addition-curing impression silicone. High-quality, low-cost alternative to alginate impressions. Impressions can be filled several times. Disinfectable and compatible with all plaster materials. Unlimited storage of impressions. Especially suitable for the situation impression.

| | |
|------------------|--------|
| 2 x 500 ml tubes | D48411 |
| 2 x 875 ml tubes | D4841 |
| 380 ml cartridge | D5119 |



Your silicone for any application

| | Dynax® clear | Dynax® heavy body | Dynax® light | Dynax® mono | Dynax® putty | Zerosil® soft |
|---|--------------|-------------------|--------------|-------------|--------------|---------------|
| Indication | | | | | | |
| Crown and bridge impressions | | | | | | |
| Double mixing technique | • | • | • | • | • | |
| Correction | • | • | • | • | • | |
| Sandwich | • | • | • | • | • | |
| Monophase | • | • | • | • | • | |
| Inlay and onlay impressions | | | | | | |
| Double mixing technique | • | • | • | • | • | |
| Correction | • | • | • | • | • | |
| Sandwich | • | • | • | • | • | |
| Monophase | • | • | • | • | • | |
| Pick-up impressions e. g. for implants | | | | | | |
| Correction | • | • | | • | | |
| Monophase | • | • | | • | | |
| Functional impressions | | | | | | |
| Function | | | | • | | |
| Fixation impressions | | | | | | |
| Monophase | | • | | • | | |
| Relining impressions | | | | | | |
| Monophase | | | • | • | | |
| Pressure spot indicator | | | | | | |
| Monophase | | | • | • | | |
| Impressions for temporaries | | | | | | |
| Monophase | | | | • | | • |
| Situation | | | | • | | • |
| Situation impressions | | | | | | |
| Monophase | | | | | | • |
| Situation | | | | | | • |
| Impressions of the opposite jaw | | | | | | |
| Monophase | | | | | | • |



Silicones need more than 30 minutes to reach their perfect characteristics. Please make sure that you do not fill the silicone impression immediately after taking it out of the patient's mouth.



Situation impression with Zerosil® soft

Impression taking Bite registration



Impression taking

StoneBite®

Addition-curing silicone with an extreme final hardness of 48 Shore D. Absolutely precise and reliable. Especially suitable for bite registrations and registration keys for support pins.

| | |
|--|---------|
| 2 x 50 ml double cartridges, 12 mixing tips, 12 application tips | D504872 |
| 4 x 50 ml double cartridges | D504873 |

StoneBite®: Exact delineation, precise processing, long-term stability

StoneBite® scan

Scannable bite registration material based on A-silicone. High final hardness, thixotropic and stable. Very easy to cut and mill. Specially developed for use in the CAD/CAM area.

| | |
|--|---------|
| 2 x 50 ml double cartridges, 12 mixing tips, 12 application tips | D504870 |
|--|---------|



Regofix transparent

Transparent bite registration material, free from filling materials, not opaque to x-rays. Easy to cut with a high final hardness and spontaneous recovery from deformation. Suitable for matrix material for light curing composites of anterior and lateral teeth. Perfect for controlled bite registration in difficult cases and for the fast and uncomplicated manufacturing of x-ray splints.

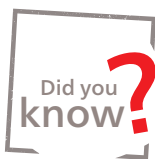
| | |
|---|---------|
| 2 x 50 ml double cartridges, 12 mixing tips | D504876 |
| 8 x 50 ml double cartridges | D504877 |



Regofix opak

Bite registration material with very good cutting and milling characteristics. Fast, hard, precise. Suitable for all kinds of bite registrations and registration keys for support pins.

| | |
|---|---------|
| 2 x 50 ml double cartridges, 12 mixing tips | D504874 |
| 8 x 50 ml double cartridges | D504875 |



Shore D is the measuring unit for the determination of the hardness of non-flexible materials, if beyond 90 Shore A.

| Zerosil® soft | 2:00 min | 2:00 min | 40 Shore A | medium – type 2 | orange |
|---------------------|----------|----------|------------|-----------------|-------------|
| StoneBite® | 0:30 min | 1:20 min | 48 Shore D | medium – type 2 | orange |
| StoneBite® scan | 0:30 min | 1:20 min | 32 Shore D | medium – type 2 | grey |
| Regofix transparent | 0:30 min | 1:30 min | 70 Shore A | medium – type 2 | transparent |
| Regofix opak | 0:30 min | 1:30 min | 90 Shore A | high – type 1 | blue |

Impression taking Accessories

Mixing tips

Mixing ratio 1:1
 Inner-Ø 4.2 mm
 Colour mint green

Dynax® light

| | |
|------------|----------|
| 40 pieces | D4970X7 |
| 100 pieces | D49701X7 |



Mixing ratio 1:1
 Inner-Ø 6.5 mm
 Colour green

Dynax® clear, Dynax® heavy body
 Dynax® mono, Regofix

| | |
|------------|----------|
| 40 pieces | D4970X2 |
| 100 pieces | D49701X2 |



Mixing ratio 1:1
 Inner-Ø 5.4 mm
 Colour pink

StoneBite®, StoneBite® scan

| | |
|------------|----------|
| 40 pieces | D4970X1 |
| 100 pieces | D49701X1 |



Mixing ratio 5:1
 Inner-Ø 6.0 mm
 Colour yellow

Zerosil® soft, Dynax® putty
 Dynax® heavy body, Dynax® mono

| | |
|-----------|-------|
| 15 pieces | D4982 |
| 50 pieces | D4981 |



Mixing ratio 1:1
 Inner-Ø 4.2 mm
 Colour yellow

Dynax® light

| | |
|------------|----------|
| 40 pieces | D4970X5 |
| 100 pieces | D49701X5 |



Application tips

For mixing tips for intra-oral application.

transparent (e. g. for StoneBite®)

| | |
|------------------------|--------|
| 40 pieces, transparent | D49603 |
|------------------------|--------|



Tips

For mixing tips for intra-oral application.

transparent (e. g. for Dynax® clear)
 yellow (e. g. for Dynax® light)

| | |
|------------------------|--------|
| 40 pieces, transparent | D49602 |
| 40 pieces, yellow | D49604 |



Bayonet-ring

Attachment for the use of 380 ml cartridges.

| | |
|----------------------|-------|
| Bayonet-ring, yellow | D4980 |
|----------------------|-------|



DS 50 Injector 1:1

For applications of dental laboratory silicones for S 50 double cartridges.

Mixing Ratio 1:1

| | |
|--------------------|-------|
| DS 50 Injector 1:1 | D5007 |
|--------------------|-------|



Temporary C&B materials

Fixtemp C&B 4:1

Automatically mixable composite in a mixing ratio of 4:1 for the manufacturing of temporary crowns, bridges, inlays and onlays. High breaking strength, no temperature development which damages the pulp at intraoral setting. Fast and secure application through safety-cartridge.

Fixtemp C&B 10:1

Automatically mixable composite in a mixing ratio 10:1 for the preparation of temporary crowns and bridges as well as inlays and onlays. Highest fitting accuracy with the least abrasion. Improved physical properties for easier grinding and polishing.

| Colour | Fixtemp C&B 4:1 | | Fixtemp C&B 10:1 | |
|----------|------------------|----------------------|------------------|----------------------|
| | 50 ml dc + 10 mt | 5 x 50 ml dc + 10 mt | 50 ml dc + 10 mt | 5 x 50 ml dc + 10 mt |
| A1 | D50391 | | D60391 | |
| A2 | D50392 | D503925 | D60392 | D603925 |
| A3 | D50393 | D503935 | D60393 | D603935 |
| A3,5 | D50394 | | D60394 | |
| B1 | D50395 | | D60395 | |
| Bleach X | D50396 | | D60396 | |
| D2 | | | D60399 | |



Do not miss the point of time to take Fixtemp C&B out of the patient's mouth when still in the flexible phase. Every resin has a shrinkage!



Convincing results with Fixtemp C&B

Fixtemp cement

Eugenol-free fixing cement containing zinc oxide for temporary dentures, ideally combinable with Fixtemp C&B. The double chamber syringe enables a direct application and guarantees a fast and hygienic operating without problems.

5 ml double chamber syringe incl. 5 mixing tips D503931



| Fixtemp C&B 4:1 | 0:45 min. | ~ 2:00–3:00 min. | ~ 6:00 min. | ≥ 200 MPa | ≥ 60 MPa | - |
|------------------|-----------|------------------|-------------|-----------|----------|---------|
| Fixtemp C&B 10:1 | 0:45 min. | ~ 2:00–3:00 min. | ~ 6:00 min. | ≥ 300 MPa | ≥ 80 MPa | - |
| Fixtemp cement | 1:00 min. | 5:00 ± 1:00 min. | ~ 7:00 min. | ≥ 8 MPa | - | < 20 µm |

Temporary C&B materials Accessories

Mixing tips

Mixing ratio 4:1/10:1
 Inner-Ø 3.2 mm
 Colour light blue

Fixtemp C&B 4:1
 Fixtemp C&B 10:1

| | |
|------------|----------|
| 40 pieces | D4970X4 |
| 100 pieces | D49701X4 |



Mixing ratio 1:1
 Inner-Ø 2.5 mm
 Colour brown

Fixtemp cement

| | |
|------------|----------|
| 40 pieces | D4970X6 |
| 100 pieces | D49701X6 |



DS 50 Injector 4:1/10:1

For applications of dental laboratory silicones for S 50 double cartridges.

Mixing ratio 4:1/10:1

| | |
|-------------------------|-------|
| DS 50 Injector 4:1/10:1 | D5008 |
|-------------------------|-------|



On the safe side:

HIBC for more efficiency and patient safety

With the "Health Industry Bar Code"(HIBC) you scan the future of every single cartridge. HIBC replaces the outdated barcodes and facilitates the uninterrupted documentation of production lot and expiration date. Manual input becomes redundant. The supply chain from Dreve via the retailer to your clinic is completely covered with a scan only.

A true benefit also for your in-house logistics!



www.hibc.de



FotoDent® product world

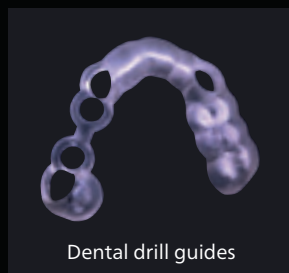
Generative production from one source.

Already for decades Dreve Dentamid GmbH with their digital dental products stand for competence and innovation in the field of medical 3D printing. Just like it is with the classical portfolio, the system concept plays a decisive part: resins and post-curing units, all from one source, are perfectly matched. Thus we provide for specific processes in the dental laboratory.

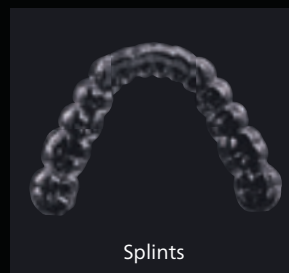
No matter whether it is lab, prosthetics or orthodontics: only products complying with the high quality stipulations of dental applications and medical devices during the entire production chain, will leave our factory. Results from the FotoDent® product world speak for themselves and add to the success of every future-oriented dental business.



Castable moldings



Dental drill guides



Splints



Dental gingiva masks



Dental individual trays



Denture bases



Dental models



Indirect bonding trays



Dental setup models



Shake the bottle well before you pour the resin into the vat.

3D printing FotoDent® resins

FotoDent® denture

385 nm

Light-curing resin for the production of denture bases. The material provides for accurate results with an outstanding dimensional stability. FotoDent® denture is MMA-free and stable in colour.

| | |
|---------------|--------|
| 1.0 kg bottle | D35500 |
|---------------|--------|

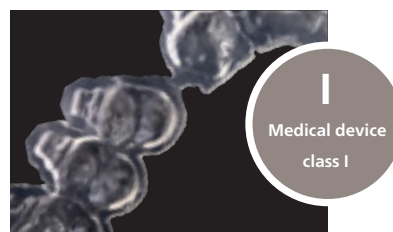


FotoDent® IBT

385 nm

Light-curing resin for the manufacturing of transparent indirect bonding trays. Monitoring of correct bracket positions is possible at any time – before and after fixing. Simple removing due to optimal flexibility. Usable with all common bracket systems.

| | |
|---------------|--------|
| 1.0 kg bottle | D35120 |
|---------------|--------|

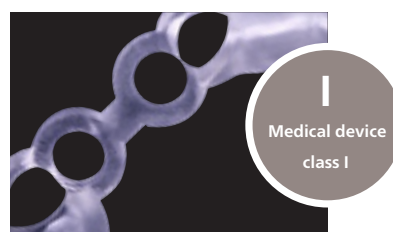


FotoDent® guide

385 & 405 nm

Light-curing resin for the manufacturing of dental drill guides. Drill guides made from FotoDent® guide are dimensionally stable and biocompatible.

| | |
|-----------------------|--------|
| 385 nm, 1.0 kg bottle | D35650 |
| 405 nm, 1.0 kg bottle | D35600 |



FotoDent® splint

385 nm

Light-curing resin for the production of bruxism and occlusal splints. The printed part is break resistant and shows a homogeneous surface. Splints made from FotoDent® splint are biocompatible and most durable.

| | |
|---------------|--------|
| 1.0 kg bottle | D35800 |
|---------------|--------|



FotoDent® tray

385 / 405 nm

Biocompatible light-curing resin for the manufacturing of dental impression trays. High reactivity at low viscosity. The finished impression trays have a homogeneous surface, which significantly reduces manual reworking.

| | |
|---------------|--------|
| 1.0 kg bottle | D35300 |
|---------------|--------|



| FotoDent® denture | 80 Shore D | ~ 2.100 MPa | ~ 105 MPa | > 5–7% | pink | – |
|-------------------------------|-----------------|-------------|-----------|-----------|-------------------|----------------|
| FotoDent® IBT | 90 Shore A | – | – | ≥ 45 % | clear-transparent | 0.65–1.05 Pa s |
| FotoDent® guide 405 nm | > 80–85 Shore D | ≥ 1.700 MPa | ≥ 75 MPa | > 10–15 % | blue-transparent | – |
| FotoDent® splint | – | ≥ 1.100 MPa | > 50 MPa | > 20 % | transparent | ~ 0.5 Pa s |
| FotoDent® tray | > 80 Shore D | ≥ 2.000 MPa | > 75 MPa | > 5 % | green | ~ 1 Pa s |

3D printing FotoDent® resins

FotoDent® cast

385 / 405 nm

Light-curing resin for the production of burn-out molded parts for the dental casting technique. The material is highly compatible: it can be used with all commercially available embedding materials.

1.0 kg bottle

D35100



FotoDent® setup

385 / 405 nm

Light-curing resin for the manufacturing of orthodontic set-up models. The material is above all characterised by its increased building speed. The set-up models are very well suitable for the thermoforming technique.

1.0 kg bottle

D35900



FotoDent® model

385 / 405 nm

Light-curing resin for the manufacturing of dental models for orthodontics and prosthetics. High form and break stability. Abrasion, moisture and light resistant.

1.0 kg bottle

D35400



FotoDent® model2

385 nm

Especially developed for new generations of printers with 385 nm: Light-curing resin for the manufacturing of dental models for orthodontics and prosthetics. Faster printing process due to higher output, still with the same precision.

1.0 kg bottle

D354002



FotoDent® gingiva

385 nm

Light-curing resin for the manufacturing of dental gingiva masks. Permanently soft and flexible. Perfectly combinable with working models made of FotoDent® model resins.







1.0 kg bottle

D35850



DP

Dreve patent

| |  |  |  |  |  |  |
|--------------------------|---|---|---|--|---|---|
| FotoDent® cast | 80–90 Shore D | ≥ 2.000 MPa | ≥ 100 MPa | 7,5–11 % | red-transparent | < 1.2 Pa s |
| FotoDent® setup | ~ 80–85 Shore D | ≥ 2.000 MPa | ≥ 95 MPa | ≥ 11–15 % | maize yellow | 1.2 Pa s |
| FotoDent® model | 80–85 Shore D | ≥ 1.750 MPa | ≥ 85 MPa | > 11–15 % | beige-opaque | 0.8–1.3 Pa s |
| FotoDent® model2 | – | ≥ 1.900 MPa | ≥ 85 MPa | – | beige-opaque | 0.8–1.2 Pa s |
| FotoDent® gingiva | ~ 70 Shore A | – | – | > 40 % | pink | ~ 2 Pa s |

3D printing Curing / Accessories



Inner dimensions
polymerisation chamber:

H 65 mm
W 150 mm
D 150 mm

PCU LED N₂

Laboratory unit on LED-basis for the curing of 3D printed parts. Ensuring of mechanics and biocompatibility through effective deep curing. Two different curing environments selectable depending on the application area. The additionally eligible nitrogen environment of PCU LED N₂ ensures cured components without inhibition layer – for laboratory and medical devices.

PCU LED N₂

4317

- ⊕ Open system with 10 programmable memory spaces
- ⊕ Simple operating concept with electronic control system
- ⊕ Logging and monitoring of process parameters
- ⊕ Selectable curing environments

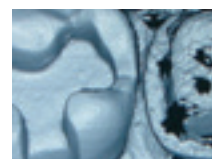
| | | | | |
|------------------------|-----------------------------|--------|----------------|-----|
| | | | | |
| PCU LED N ₂ | 100–240 V / 50–60 Hz, 0.7 A | 9.3 kg | 110x389x276 mm | red |

BlueSpray

The ideal tool for optical recordings – intraoral or model. Excellent scan and visible through blue colour that can easily be removed with water.

50 ml Spray can

D5135





Christina Hammer, 5 times World Boxing Champion / © Anita

Thermoforming technique by Dreve

Pioneering for decades.

We have certainly revolutionised dental technology with the introduction of thermoforming. Still convinced of this process, we continue to work on improving thermoforming technique with high-end equipment and specialised blanks.

Convince yourself of the many possible applications – from individual sports mouthguards to the anti-snoring splint.

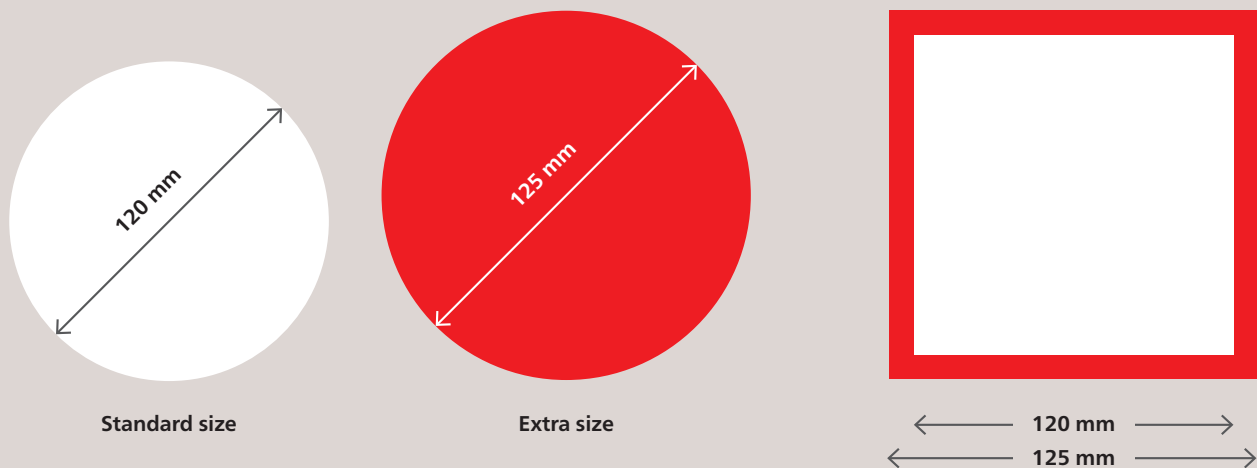


Thermoforming technique Overview

Thermoforming blanks

All Dreve thermoforming materials have a standard diameter of 120 mm. All item numbers listed in the catalogue refer to this standard size. The following extra sizes of transparent blanks and blanks of one colour are available on request:

- ⊕ Blanks with a diameter of 125 mm
- ⊕ Square-shaped blanks with a side length of 120 and 125 mm



Sample selection thermoforming blanks

The complete range of the Dreve thermoforming blank program contains all the information you need about materials, layer thicknesses and accessories. Packed in a handy binder.

Binder D3272

Blank trays

Compact overview of the complete range of blanks including item numbers, colours as well as heating and cooling times.

Sample booklet D770177



Thermoforming technique Overview

| Application | Product | ✚ Strength | | | | |
|---------------------------|------------------------------|------------|----------|---------|------|------|
| Aligner | Biolon | 0.5 mm | 0.625 mm | 0.75 mm | | |
| Base plates | Drufoplast | 2 mm | | | | |
| | Drufoplast incl. tray handle | 3 mm | | | | |
| Bleaching | BioBleach® hard | 0.5 mm | | | | |
| | BioBleach® soft | 1 mm | | | | |
| | Drufosoft® | 1 mm | 1.5 mm | | | |
| Matrix | Drufolen H | 0.6 mm | | | | |
| | Drufolen W | 0.45 mm | 0.65 mm | 0.8 mm | | |
| Custom-made trays | Drufoplast | 2 mm | | | | |
| | Drufoplast incl. tray handle | 3 mm | | | | |
| Orthodontic devices | Biolit D | 2 mm | | | | |
| | Biolon | 2 mm | 3 mm | | | |
| Mouthguards | Biolon | 2 mm | | | | |
| | Drufosoft® transparent | 2 mm | 3 mm | 4 mm | | |
| | Drufosoft® colour | 3 mm | | | | |
| | Drufosoft® bicolour | 3 mm | | | | |
| | Drufosoft® tricolour | 3 mm | | | | |
| Space maintainers | Drufolen W | 0.65 mm | 0.8 mm | | | |
| | UZF (Underlay blank) | 0.1 mm | | | | |
| Space maintainers | Biolon | 0.75 mm | | | | |
| | Drufosoft® transparent | 1.5 mm | 2 mm | 3 mm | 4 mm | 5 mm |
| | Drufosoft® colour | 3 mm | 4 mm | | | |
| | Drufosoft® bicolour | 3 mm | | | | |
| | Drufosoft® tricolour | 3 mm | | | | |
| | Drufosoft® pro | 3 mm | | | | |
| Production of temporaries | Biolon | 0.5 mm | 0.75 mm | | | |
| | Drufolen H | 0.6 mm | 0.8 mm | | | |
| X-ray splints | Biolit D | 1 mm | 2 mm | | | |
| | Biolon | 1 mm | 1.5 mm | 2 mm | | |
| | Drufoplast incl. tray handle | 3 mm | | | | |
| Splint therapy | Biolit D | 1 mm | 2 mm | | | |
| | Biolon | 0.75 mm | 1 mm | 1.5 mm | 2 mm | 3 mm |
| | Drufosoft® pro | 3 mm | | | | |
| | Kombiplast | 2 mm | 3 mm | 4 mm | | |
| Bandage plates | Biolit D | 1 mm | 2 mm | | | |



Always pre-heat your unit for at least one minute without thermoforming foil.

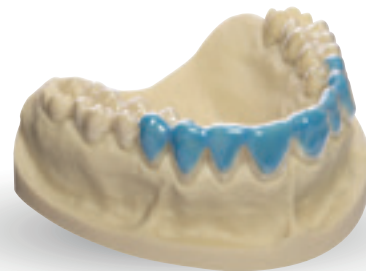
Thermoforming technique Blanks

BioBleach® hard

Thermoforming blank made of polyethylen especially developed for bleaching and medical trays. Slightly flexible, also suitable for situations with slight undercut areas. Delivery including insulating foil for high, clear transparency.

| $\frac{1}{8}$ mm | pieces | item No. |
|------------------|--------|----------|
| 0.5 | 25 | D420015 |

Bleaching/Medicament splint made of BioBleach® hard. Cenit L used as a spacer



BioBleach® soft

Transparent thermoforming blank made of vinyl acetate copolymer with a hardness of 95 Shore A. For the production of soft, bleaching/medication splints extending the gingival margin.

| $\frac{1}{8}$ mm | pieces | item No. |
|------------------|--------|----------|
| 1 | 20 | D4300 |

Bleaching/Medicament splint made of BioBleach® soft. Drufolen W used as a spacer



Biolit D

Highly transparent thermoforming blank made of polycarbonate, hot sterilizable thus excellently suitable for bandage plates and drilling splints. Blank makes a connection with acrylate.

Pre-drying required! 4 hours per mm of layer thickness at 80 °C

| $\frac{1}{8}$ mm | pieces | item No. |
|------------------|--------|----------|
| 1 | 10 | D420013 |
| 2 | 10 | D420014 |

X-ray splint made of Biolit D



Biolon

The thermoforming blank made of PETG (polyethylene terephthalate glycol) is supplied with an insulating film for the purpose of high transparency. Since it is tough-elastic and can be built up with acrylate, it is particularly suitable for aligner, bite and occlusion splints, as well as for orthodontic appliances.

| $\frac{1}{8}$ mm | pieces | item No. |
|------------------|--------|----------|
| 0.5 | 25 | D420001 |
| | 50 | D420002 |
| 0.625 | 20 | D420019 |
| | 40 | D420020 |
| 0.75 | 20 | D420003 |
| | 40 | D420004 |
| 1 | 25 | D420005 |
| | 50 | D420006 |
| 1.5 | 30 | D420007 |
| | 60 | D420008 |
| 2 | 20 | D420009 |
| | 60 | D420010 |
| 3 | 10 | D420011 |
| | 50 | D420012 |

Aligner made of Biolon



Thermoforming technique Blanks

Drufolen H

Thermoforming blank made of polypropylene. Due to its hard-flexible consistency and residue-free combustion it is especially suitable for the production of molding parts, transfer caps and stencils for the production of temporaries.

| $\frac{3}{8}$ mm | Ø mm | colour | pieces | item No. |
|------------------|------|---------|--------|----------|
| 0.6 | 42 | natural | 150 | D4237442 |
| 0.6 | 120 | natural | 40 | D423641 |
| 0.8 | 120 | natural | 40 | D423681 |

Template for the production of provisorials made of Drufolen H



Drufolen W

Thermoforming blank made of polypropylene. Due to its soft-flexible consistency and residue-free combustion it is especially suitable for the production of molding parts and matrix with undercut areas and space maintainers used for medical splints.

| $\frac{3}{8}$ mm | Ø mm | colour | pieces | item No. |
|------------------|------|---------|--------|-----------|
| 0.45 | 42 | natural | 150 | D42384N42 |
| | 120 | natural | 40 | D423441N |
| 0.65 | 42 | natural | 100 | D42386N42 |
| | 120 | natural | 40 | D423461N |
| 0.65 | 120 | blue | 40 | D423461B |
| | 120 | blue | 40 | D423461B |
| 0.8 | 42 | natural | 100 | D42388N42 |
| | 120 | natural | 40 | D423481N |
| 0.8 | 120 | blue | 40 | D423481B |
| | 120 | blue | 40 | D423481B |
| 1 | 120 | natural | 30 | D423401N |

Bleaching/Medicament splint with Drufolen W used as a spacer



Extremely thin compared with other foils:
Underlay blank

Underlay blank

Thermoforming blank made of styrene/butadiene copolymer for the production of space maintainers for shrinkage compensation of the C&B modellation. Blank should only be used in combination with another blank.

| $\frac{3}{8}$ mm | Ø mm | pieces | item No. |
|------------------|------|--------|-----------|
| 0.1 | 42 | 100 | D42474X42 |
| 0.1 | 120 | 100 | D42470 |



Thermoforming technique Blanks

Drufosoft®

Thermoforming blank made of ethyl vinyl acetate. Soft elastic with high recovery from deformation with a final hardness of 82 Shore A. Can be laminated and is ideally suited for sports mouthguards, positioners and duplication forms.

Please note:

- Drufosoft® bi- and tricolour as well as colour mix are only available with diameter 120 mm
- Drufosoft® transparent and colour in extra sizes according to inquiry

Drufosoft® colour



Drufosoft® bicolour



Drufosoft® tricolour



| mm | colour | pieces | item No. |
|--------------------------------|-------------|-----------|-----------|
| 1 | transparent | 20 | D4245 |
| | | 50 | D42451 |
| 1.5 | transparent | 20 | D4252 |
| | | 50 | D42531 |
| 2 | transparent | 15 | D4250 |
| | | 50 | D42511 |
| 3 | transparent | 10 | D4248 |
| | | 30 | D42481 |
| | | 3 | D42483X2 |
| | | 10 | D4248X2 |
| | | 3 | D42483X3 |
| | | 10 | D4248X3 |
| | neon-red | 3 | D42483X4 |
| | | 10 | D4248X4 |
| | neon-green | 3 | D42483X5 |
| | | 10 | D4248X5 |
| | neon-yellow | 3 | D42483X6 |
| | | 10 | D4248X6 |
| | blue | 3 | D42483X7 |
| | | 10 | D4248X7 |
| | yellow | 3 | D42483X8 |
| | | 10 | D4248X8 |
| | black | 3 | D42483X9 |
| | | 10 | D4248X9 |
| | white | 3 | D42483X17 |
| | | 10 | D4248X17 |
| | pink | 3 | D42483X18 |
| | | 10 | D4248X18 |
| | red | 3 | D42483X19 |
| | | 10 | D4248X19 |
| turquoise | 3 | D42483X20 | |
| | 10 | D4248X20 | |
| gold | 3 | D42483X21 | |
| | 10 | D4248X21 | |
| silver | 3 | D42483X22 | |
| | 10 | D4248X22 | |
| blue-opak | 3 | D42483X23 | |
| | 10 | D4248X23 | |
| green | 3 | D42483X24 | |
| | 10 | D4248X24 | |
| purple | 3 | D42483X25 | |
| | 10 | D4248X25 | |
| light blue | 3 | D42483X26 | |
| | 10 | D4248X26 | |
| bordeaux | 3 | D4270X11 | |
| | 10 | D4270X12 | |
| orange | 3 | D4270X13 | |
| | 10 | D4275X14 | |
| bicolour (yellow/black/yellow) | 3 | D4275X15 | |
| | 10 | D4275X16 | |
| bicolour (white/blue/white) | 3 | D4265 | |
| | 10 | D4265 | |
| bicolour (red/blue/red) | 25 | D4265 | |
| | 10 | D4265 | |
| tricolour (black/red/yellow) | 15 | D42472 | |
| | 75 | D424901 | |
| tricolour (blue/white/red) | 15 | D4225 | |
| | 75 | D4225 | |
| tricolour (red/green/blue) | 15 | D4225 | |
| | 75 | D4225 | |
| colour mix* | 15 | D4225 | |
| | 75 | D4225 | |
| 4 | transparent | 15 | D42472 |
| 5 | transparent | 75 | D424901 |
| | | 15 | D4225 |

* 1 blank of each colour and colour combination

Thermoforming technique Blanks

Drufosoft® pro

Transparent thermoforming blank made of ethyl vinyl acetate. Hard-flexible occlusion splints with high recovery from deformation with a final hardness of 95 Shore A. Can be laminated and is perfectly suitable for occlusion splints, positioners and bruxism splints.

| $\frac{3}{8}$ mm | pieces | item No. |
|------------------|--------|----------|
| 3 | 10 | D4230 |

Occlusal splint made of Drufosoft® pro



Drufoplast

Red-opaque blanks made of polystyrene. Extremely break-resistant. Especially suitable for custom-made impression trays as well as base plates for bite-takings and set-ups.

| $\frac{2}{8}$ mm | pieces | item No. |
|------------------|--------|----------|
| 2 | 15 | D4210Z |

Individual tray made of Drufoplast



Drufoplast incl. tray handle

Transparent thermoforming blank made of polystyrene extremely high break-resistance. Especially suited for custom-made impression trays and x-ray splints.

| $\frac{3}{8}$ mm | pieces | item No. |
|------------------|--------|----------|
| 3 | 10 | D4214 |
| 3 | 100 | D4215 |

Transparent individual tray made of Drufoplast



Kombiplast

Highly transparent two layer thermoforming blank made of PETG and EVA. High wearing comfort occlusion splint through hard surface and soft inner side. Bonds with acrylate for the individual adjustment.

| $\frac{3}{8}$ mm | pieces | item No. |
|-------------------------|--------|----------|
| 2 (soft 1 : hard 1) | 10 | D420016 |
| 3 (soft 1.5 : hard 1.5) | 10 | D420017 |
| 4 (soft 1 : hard 3) | 10 | D420018 |

Occlusal splint made of Kombiplast



Thermoforming technique Mouthguard

Dreve Mouthguard

A must in every sports bag. The professional mouthguard with optimum fitting and best protection. No impact on talking, breathing and swallowing. Select the appropriate mouthguard according to the sports discipline: By using different materials and material thicknesses, the mouthguard is customised according to the sports activity. X-ray opaque stripes stand for safety. So does the Dreve Mouthguard logo, ensuring that the mouthguard was produced in a certified dental lab. Our sales channel through certified dentists and dental technicians trained by Dreve stands for constantly high quality unrivalled for many years.

- ⊕ **Customised fitting by the dentist**
- ⊕ **Individually manufactured in the dental lab**
- ⊕ **Optimum shock absorption and firm fitting in the mouth**



Dreve Junior

Sports mouthguard for children and adolescents up to the age of 14.

- 1 x Drufosoft® transparent (2 mm)
- 1 x Drufosoft® colour (3 mm)



Dreve Senior

Sports mouthguard for adults, for most hobby sports disciplines like Handball, Basketball, Squash, American Football etc.

- 1 x Drufosoft® transparent (3 mm)
- 1 x Drufosoft® colour (3 mm)



Dreve Elite

Sports mouthguards for martial arts (with soft inlay) e.g. Boxing, Judo, Wrestling, Rugby.

- 2 x Drufosoft® transparent (3 mm)
- 1 x Drufosoft® colour (3 mm)



Dreve Professional

Sports mouthguard for stick sports like Hockey, Ice Hockey, Polo (with integrated hard inlay for front teeth protection).

- 1 x Drufosoft® transparent (3 mm)
- 1 x Biolon (2 mm)
- 1 x Drufosoft® colour (3 mm)



Thermoforming technique Mouthguard

X-ray opaque stripes

For insertion into Dreve Mouthguards. Allows the detection of the mouthguard on X-ray images, for example in unconscious patients.

15 pieces

D4445



Dreve Mouthguard Label

Insertion for Dreve Mouthguards. Issued exclusively to certified laboratories. Proof of outstanding quality regarding production and efficiency of the mouthguard.

1 sheet/60 pieces

D44500



Dreve Mouthguard Box

For the hygienic storage of mouthguards. Including address stickers and sticker with maintenance advice.

5 pieces, red

D4444



You live and learn: Dreve Mouthguard workshop

The range of topics of our workshops offered is as diverse as the dental work routine. Thanks to this broad range, dentists, dental technicians, trainees and students benefit from our know-how and numerous practical tips.

With the hands-on courses, you will have the opportunity to learn our range of systems in a well-founded and practice-oriented way. Great emphasis is on "learning by doing". That is why we attach great importance to practical work in our workshops. That way, you can use what you have learned in the workshop immediately in your daily work and work more efficiently over the long term.

Information / Registration:

dentamid.dreve.de/service/workshops



Thermoforming technique DocSnoreNix®

DocSnoreNix®. Snore no longer.

DocSnoreNix® is a protrusion splint that is individually customised to optimally adapt the individual patient case. The splint brings the lower jaw into a protruded position. This prevents the tongue from falling back into the pharynx and reduces snoring by up to 100 %.

DocSnoreNix® Starter Set

Contains all necessary material for the production of the first DocSnoreNix® incl. a CD-Rom with an extensively described and illustrated manual.

Content:

- 1 x Pair of pliers* (D4603)
- 1 x Patient set of protrusion springs* (D4602)
- 1 x Protrusion calibre* (D4604)
- 1 x Lightdon Gel (20 ml)* (D3816)
- 1 x Lightdon Bonding (10 ml)* (D38223B)
- 1 x UltraTrimm (medium)
- 2 x Thermoforming blanks (3 mm)*
- 1 x Information set for patients
- 1 x Manual

Items marked with * are separately available.

| | |
|--------------------------|-------|
| DocSnoreNix® Starter Set | D4600 |
|--------------------------|-------|



We offer several hands-on courses for DocSnoreNix®, practical, easy to understand and comprehensive. See our website under "workshops".

DocSnoreNix® Patient set

Patient set for the production of one DocSnoreNix® protrusion splint.

Content:

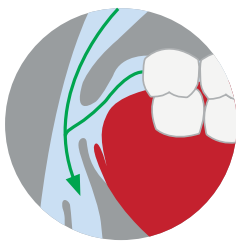
- 1 x set of protrusion springs
- 2 x Kombiplast (3 mm)
- 1 x Lightdon Gel (20 ml)

| | |
|--------------------------|-------|
| DocSnoreNix® Patient set | D4601 |
|--------------------------|-------|

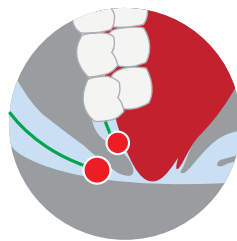


Thermoforming technique DocSnoreNix®

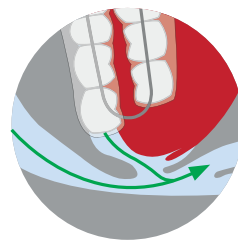
- ⊕ Maximum reduction of strain to the condyle
- ⊕ Super-elastic fastening and connecting elements
- ⊕ Swallowing reflex remains unaffected



Tongue position while awake, enough room to breathe freely.



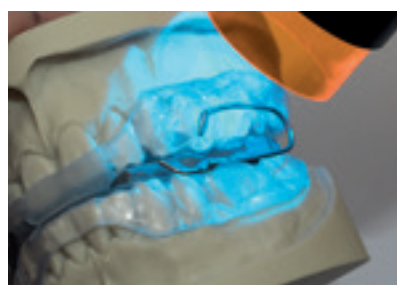
Tongue position while asleep. Constriction of the throat makes breathing difficult and causes the familiar snoring sound.



Once inserted the DocSnoreNix® pulls the tongue and the whole lower jaw forward. Pressure is removed from the throat and breathing is no longer restricted.

Thermoforming technique

Every DocSnoreNix® splint is individually produced and customised



Thermoforming technique Units

Drufomat scan

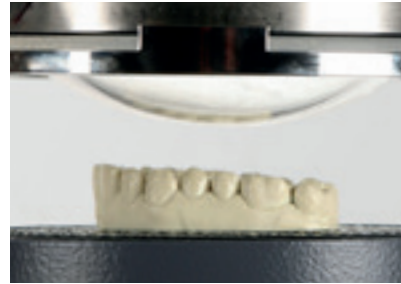
Very easy to handle high-end thermoforming unit with a maximum in user-friendliness and consistently precise final results. Built for all applications in dental thermoforming technology. Easy to use keypad, integrated bar code scanner identifies blanks and a working pressure of up to 6 bar. Additional safety factors for professional results. Two-hand operation and LEDs that light up when heating is in operation.

Content:

- Base range of blanks
- Drain pot for granules
- Air connection hose (1 m)

| | |
|--------------------------------------|---------|
| red | D3300 |
| silver | D3300X1 |
| Special colour from RAL-Colour-Chart | D3300X2 |

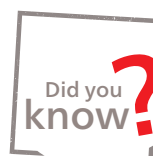
 from diameter 120 mm



Aligners, mouthguards, bruxism splints: The thermoforming allrounder Drufomat scan belongs in every professional lab



- ⊕ Perfect combination of technology, software and design
- ⊕ Very easy operation
- ⊕ High working-pressure for all applications
- ⊕ Multi-functional professional unit



Pressure thermoforming machines work with a forming pressure which is up to 12 times as high as the forming power of vacuum units.

Thermoforming technique Units

Drufosmart scan

Pressure forming unit with integrated bar code scanner to identify blank codes and a working pressure of up to 4 bar. Display with self-explanatory control panel, vertical blank impression for best results. Due to the 2-hand operation and automatic switch-off function of the heating element safe working conditions are ensured. Covers the entire scope of thermoforming technology.



Content: from diameter 120 mm

- Base range of blanks
- Air connection hose (1 m)

| | |
|--------|--------|
| red | D3400 |
| silver | D34001 |



Drufosmart

Basic pressure thermoforming unit with 2.5 bar working pressure. The better alternative in comparison to vacuum units with about three times higher forming pressure. Semi-automatic operation for easy adjustment of the corresponding heating times 2-hand operation and automatic switch off function of the heating element ensure safe working conditions.








Content: from diameter 120 mm

- Base range of blanks
- Air connection hose (1 m)

| | | |
|--------|-------------------|---------|
| red | 220–240 V / 50 Hz | D3200 |
| red | 115 V / 60 Hz | D3200A |
| silver | 220–240 V / 50 Hz | D32001 |
| silver | 115 V / 60 Hz | D32001A |



| |  |  |  |  |  |
|------------------------|---|---|---|---|---|
| Drufomat scan | 115–240 V / 50–60 Hz | max. 315 W | 2–6 bar (19–87 psi) | 16 kg | 490 x 290 x 290 mm |
| Drufosmart scan | 115–240 V / 50–60 Hz | max. 275 W | 2–4 bar (19–58 psi) | 15 kg | 420 x 320 x 290 mm |
| Drufosmart | 220–240 V / 50 Hz 115 V / 60 Hz | max. 275 W | 2.5 bar (36 psi) | 15 kg | 420 x 320 x 290 mm |

Thermoforming technique Accessories

Drufoplast impression trays

Thermo-formable tray handles for individual impression trays made of Drufoplast.

50 pieces, pink

D4294Z

TrayFix

Bonding for the permanent bond between thermoformed tray handle and base.

20 ml bottle with brush insert

D4276



Application of Drufoplast tray handles with TrayFix

Workout set thermoforming technique

Set of grinding tools for the workout and finishing of all thermoformed parts, assorted in a robust and practical table stand, made of V2A.

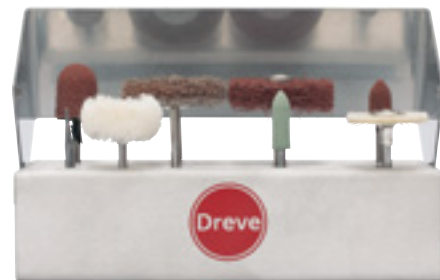
Content:

- 1 x square cutter* (D4374V)
- 1 x special cutter* (D4374S)
- 1 x UltraTrimm (medium)* (D43752)
- 1 x UltraTrimm (light)* (D43753)
- 1 x grinding cap holder (size 2)* incl. grinding cap (D38230T2/D38230S2)
- 1 x grinding cap holder (size 1)* incl. grinding cap (D4458/D4461)
- 2 x mandrels incl. support discs
- 1 x hard rubber, flame shaped
- 1 x brush made of goat hair
- 1 x cotton buff

Items marked with * are separately available.

Workout set

D3273



Finishing works with the workout set thermoforming technique



Thermoforming technique Accessories

Cutters

Carbide burs for quick and clean separating and cutting or finishing of all hard thermoforming materials.

| | |
|---------------------------------|--------|
| Square cutter with spiral cut | D4374V |
| Piercing cutter without tothing | D4374S |



Square cutter

Piercing cutter

Foil scissors

Stable special scissors for use in the thermoforming technique, with ridged and bent cut.

| | |
|---------------|-------|
| Foil scissors | D4369 |
|---------------|-------|



Finishing Liquid

Polishing fluid for removing roughness from Drufosoft® materials.

| | |
|---------------|--------|
| 250 ml bottle | D4466N |
|---------------|--------|



Fillin

Reusable block-out material on silicone basis, for covering undercut areas on the model.

| | |
|--------------------|--------|
| 60 g strip, nature | D42541 |
|--------------------|--------|



Accurate work with Fillin

Silicone grease

Special care agent for lubricating rubber seals, for example o-rings on thermoforming units and pressure pots.

| | |
|-----------|-------|
| 35 g tube | D3350 |
|-----------|-------|



Thermoforming technique Accessories

MaxiFresh™

Cleaning tablet for the outer cleaning and care of dental splints and sports mouthguards. Used daily it guarantees perfect hygiene and reduction of decolouration. Does not contain any abrasives and thus extends considerably the life span of splints and sports mouthguards.

| | |
|-----------------------|-------|
| 24 tablets with bowl | D4100 |
| 24 tablets refill set | D4101 |



MaxiFresh™ with bowl

Granules

For embedding unneeded model parts during the thermoforming process.

| | |
|---------------------------------------|-------|
| Round granules; 1.2 kg bottle | D4282 |
| Steel granules; 1.2 kg bottle | D4283 |
| Refined steel granules; 1.2 kg bottle | D4284 |

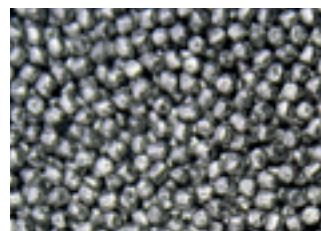
Round granules



Steel granules



Refined steel granules



Thermoforming technique Accessories

Funky tool

Funky tool is an accessory unit for Drufoformat and Drufosmart scan thermoforming units for an individual colour design of Drufosoft® blanks.

Case with different inserts

D3229



With the appropriate Funky tool insert whole teams can be equipped with mouthguards in club colours

Pressure polymerisation insert

This insert allows an extra use of Drufoformat units as pressure pot for cast flasks. The pressure polymerisation insert is to be placed onto the base plate of the Drufoformat. The desired pressure can be adjusted individually between 2 and 6 bar.

Pressure polymerisation insert

D3227



K7 Insert

The porous metal disc with pre-cut holes is suitable for up to seven prepared plaster dies for the production of thermo-formed resin caps. The K7 insert is to be placed into the forming table insert of the Drufoformat instead of the nub plate. This insert enables the additional use of Drufoformat units to produce thermo-formed resin caps.

K7 insert

D3228



Denture production with Castdon resin

Functional, aesthetic, custom-fit.

With Castdon we offer an unbeatable, complete cold-curing system for the resin pouring technique. In contrast to the hot polymer, dentures made of Castdon resin have a significantly lower shrinkage. In addition, the processing is easier, faster and cleaner.



Align

- Maximum dorsal model height
- Create wax modeling as usual
- Functional ridges must be free of wax
- Align model in flask



Fix

- Fix model with wax on the base plate
- Lock the flask top with clamps
- Check correct closure



Mix

- If necessary, shake Siliform before use
- Measure 150 ml for each component and mix homogeneously with spatula



Fill

- Fill flask completely from above in a thin stream



Curing

- Ideally, cure the silicone under the same pressure as during the polymerisation of the casting resin (e. g. Polymax)
- Curing about 30 minutes



Demoulding

- Loosen the bottom plate and demould the model



Cut out

- Two sprues are always stung in the dorsal area of the alveolar ridge
- Create a channel in the upper jaw centrally to the base



Repositioning

- Remove wax from teeth with stainless steel bottom plate
- Roughen teeth and attach retention
- Reposition teeth in the duplicating
- The moist surface of Siliform does not require bonding of the teeth



Bonding

- Wetting with Castdon Bonding strengthens the bond between tooth and base

Resin pouring technique Denture pouring system



Results will be even more precise if resin is cured under pressure.



Isolate

- Water the model in warm water, then dry the surface
- Isolate with Isolat film
- Isolate only single-layered



Dispense

- Repositioning the model
- Lock with bottom plate
- Fill dosage dispenser, because equal filling levels guarantee the optimal mixing ratio (17g powder / 11 ml liquid for a prosthesis)



Fill

- Mix Castdon Monomer and Polymer homogeneously in the mixing bowl
- Fill in a thin stream through one channel only



Polymerise

- Cure in Polymax for 25 minutes at 45 °C
- Fill the water level up to the edge of the flask
- The resin-filled funnels should not be submerged



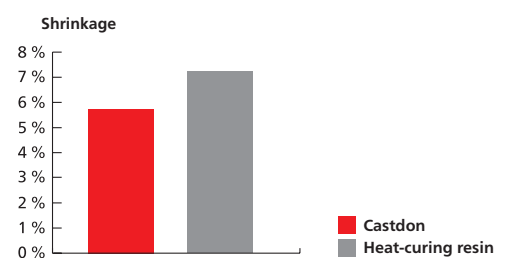
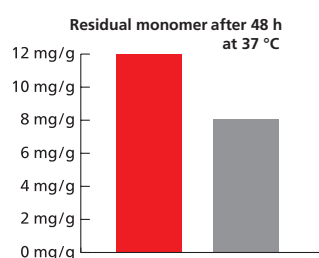
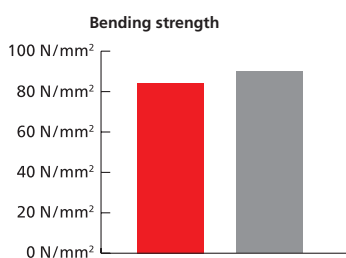
Remove

- After polymerisation, loosen the bottom plate
- Demoulding the model
- The denture is easily detached from the model



Fine work

- The rework is reduced to removal of surpluses, fine work with sandpaper
- ... and polishing – done!



Resin pouring technique Denture pouring system

Castdon. The pouring system for full and partial dentures.

Autopolymerizing, cadmium-free PMMA-pouring resin with barbiturate curing system. Proven biocompatibility, minimum content of rest monomer, high break and colour resistance. Perfectly appropriate for the production of full and partial dentures due to outstanding pouring qualities and minimum shrinkage.

⊕ **Break-proof and colour stable**

⊕ **Excellent flow characteristics**

⊕ **Lowest shrinkage**



Castdon Starter Kit

Comprehensive complete package with all necessary system components for the preparation of full and partial dentures. Contains material for the preparation of about 8 full dentures. All listed items are also sold separately.

Content:

- 1 x Castdon flask (D3803)
- 1 x Castdon Monomer (500 ml) (D3865)
- 1 x Castdon Polymer (750 g) (D3873 / D3884)
- 1 x Castdon Bonding (20 ml) (D3877)
- 1 x Siliform (2 x 850 ml) (D38605)
- 1 x Isolat film (1 l) (D4304)
- 1 x Canal piercing instrument (D3872)
- 1 x Castdon dosing aids (2 pieces) (D38092)

| | |
|------------------|-------|
| pink-transparent | D3790 |
| pink-opaque | D3792 |

Castdon Polymer

Powder for Castdon resins based on polymethyl methacrylate copolymer.

| | | |
|---------------|------------------|-------|
| 750 g tube | transparent | D3879 |
| | pink-transparent | D3873 |
| | pink-opaque | D3884 |
| 1.2 kg tube | pink-transparent | D3874 |
| | pink-opaque | D3887 |
| 4.0 kg bucket | pink-transparent | D3876 |



Castdon Bonding

Liquid for the perfect bonding between highly vulcanised denture teeth and auto polymer resins.

| | |
|--------------|-------|
| 20 ml bottle | D3877 |
|--------------|-------|



Veins

Viscose fibres to be mixed into resins for the individual design of a veined appearance.

| | | |
|-------------|----------|---------|
| 7 ml bottle | dark-red | D3904X1 |
| 7 ml bottle | blue | D3904X2 |



Resin pouring technique Denture pouring system

Castdon Monomer

Mixing liquid for Castdon resins on the basis of methyl methacrylate.

| | |
|---------------|-------|
| 150 ml bottle | D3905 |
| 500 ml bottle | D3865 |
| 1 l bottle | D3867 |



Dosing aids

2 measuring cups for dosing the Castdon plastic in the optimal mixing ratio.

| | |
|-------------|--------|
| Dosing aids | D38092 |
|-------------|--------|



Castdon flask

Professional pouring flask with transparent upper part, stainless steel bottom plate with integrated chambers for teeth dewaxing.

| | |
|--|-------|
| Caston flask incl. canal piercing instrument | D3803 |
|--|-------|



Canal piercing instrument

For piercing cast canals in the dorsal area.

| | |
|-----------------------------------|-------|
| Canal piercing instrument, Ø 8 mm | D3872 |
|-----------------------------------|-------|



Siliform

Addition-curing, shrink-free silicone for the resin pouring technique for exact detail production and faithful reproduction of the wax set-up. Slightly oily surface film enables excellent flow characteristics. Final hardness of 14 Shore A for easy flask removal.

| | |
|--------------------|--------|
| 2 x 850 ml bottles | D38605 |
|--------------------|--------|



Gelon

High quality duplicating gel on the basis of Agar-Agar. Especially hard and stable in form. Especially developed for model casting and denture pouring technique. Fast and precise work thanks to low shrinkage and short curing times.

| | | |
|---------------|-------------|--------|
| 6.0 kg bucket | green | D38602 |
| 6.0 kg bucket | transparent | D38601 |



Isolat film

Heat-resistant film forming insulating agent with excellent separation effect on the basis of alginate. Excellent separation effect for smooth and pore-free surfaces. Suitable for insulation of plaster/resin as well as plaster/plaster.

| | |
|--------------|--------|
| 1 l bottle | D4304 |
| 5 l canister | D4303N |



Resin pouring technique Pressure polymerisation units

Polymax series

Pressure polymerisation units especially developed for hot and cold curing dental resins. Adjustable temperature, 90 minutes timer, variably adjustable air pressure from 3 to 6 bar. Reliable and maintenance-free technology with automatic safety gasket system, coated aluminium pressure pot, cover from stainless steel and a sturdy housing made of polyurethane. An integrated water outlet valve facilitates the use as pressure compactor with heating switched off. Material-specific parameters of temperature and time can be monitored on the digital display and the integrated manometer.

Content:

- Pressure hose
- Water drain hose

- ⊕ Solid and maintenance-free technique
- ⊕ Automatic safety-sealing-systems
- ⊕ Housing cover made of stainless steel
- ⊕ External housing made of hard-wearing PU



Inner dimensions
pressure pot:

Ø 220 mm
Height 174 mm

Polymax 5

up to 95 °C

| | | |
|--------|------------------|---------|
| red | 230 V / 50-60 Hz | D3423 |
| red | 115 V / 50-60 Hz | D3423A |
| silver | 230 V / 50-60 Hz | D34231 |
| silver | 115 V / 50-60 Hz | D34231A |

Resin pouring technique Pressure polymerisation units

Polymax 1 up to 95 °C

| | | |
|--------|------------------|---------|
| red | 230 V / 50-60 Hz | D3429 |
| red | 115 V / 50-60 Hz | D3429A |
| silver | 230 V / 50-60 Hz | D34291 |
| silver | 115 V / 50-60 Hz | D34291A |



Inner dimensions
pressure pot:

Ø 160 mm
Height 110 mm



Polymax 1 up to 120 °C

| | | |
|--------|------------------|--------|
| red | 230 V / 50-60 Hz | D3428 |
| red | 115 V / 50-60 Hz | D3428A |
| silver | 230 V / 50-60 Hz | D34281 |



The Polymax 5 provides enough space for
1 large articulator, 3 brass flasks with clamps
or 4 castdon flasks








Inner dimensions
pressure pot:

Ø 160 mm
Height 300 mm



Polymax 3 up to 95 °C

| | | |
|--------|------------------|---------|
| red | 230 V / 50-60 Hz | D3422 |
| red | 115 V / 50-60 Hz | D3422A |
| silver | 230 V / 50-60 Hz | D34221 |
| silver | 115 V / 50-60 Hz | D34221A |

| |  |  |  |  |  | |
|---------------------------|---|---|---|---|---|----------------|
| Polymax 1 (95 °C) | 230 V / 50-60 Hz | 450 W | 3-5.2 bar (variabel) | 10 kg | 230x290x300 mm | |
| Polymax 1 (120 °C) | | 450 W | 3-4.2 bar (variabel) | 10 kg | 230x290x300 mm | |
| Polymax 3 | | 115 V / 50-60 Hz | 900 W | 3-5.2 bar (variabel) | 13.5 kg | 450x290x330 mm |
| Polymax 5 | | | 900 W | 3-6 bar (variabel) | 15.6 kg | 310x340x400 mm |

Resin pouring technique Wax boil-out units

Labormat series

Sturdy boil-out units from stainless steel for up to 6 resp. 12 flasks. Steplessly adjustable temperature from 65–95 °C and manual regulation of spray times of up to 6 minutes. A user-friendly moment switch and an integrated handspraygun add to convenient operation. For easy every-day work the unit has a 24-hour timer. The Labormat can equally be used for the curing of hot polymerizing materials.

Labormat TH

Content:

- Cleaning brush
- Flask supporting plates

230 V / 50 Hz

D3603N



Labormat SD

Content:






- Cleaning brush
- Flask supporting plates
- Water run-off / supply hose
- Castors
- Collection tank for waste water

230 V / 50 Hz

D3601



Always make sure that there is enough water in the Labormat. A too low water level leads to the activation of the safety switch.

| |  |  |  |  |  |
|--------------------|---|---|---|---|---|
| Labormat TH | 3.2 kW at 230 V / 50 Hz | 65-95°C | 15 l | 38 kg | 440x580x360 mm |
| Labormat SD | 3.1 kW at 230 V / 50 Hz | 65-95°C | 50 l | 75 kg | 850x630x600 mm |

Resin pouring technique Accessories

Flask basket

Made of V2A, with plastic handle for 3 flasks. You need 2 baskets for the Labormat TH and 4 baskets for the Labormat SD.

| | |
|--------------|-------|
| Flask basket | D3604 |
|--------------|-------|



Filter mats (18x60 cm)

For collecting wax residues, plaster residues etc. when boiling-out in Labormat units.

| | |
|-----------|--------|
| 10 pieces | D36018 |
|-----------|--------|



The use of filter mats saves cleaning time

Unisol E

Descaling agent for cleaning of frequently used boiling-out units.

| | |
|---------------|-------|
| 2.5 kg bucket | D4383 |
|---------------|-------|



Unisol W

Concentrated wax-solving additive for a quicker and more intense cleaning of models in wax boiling-out units (e. g. Labormat).

| | |
|----------------|-------|
| 2 x 1 l bottle | D4392 |
| 5 l canister | D4393 |



Base

On castors for Labormat TH with dimensions (HxWxD) 435x590x370 mm.

| | |
|------|-------|
| Base | D3607 |
|------|-------|



Let there be light.

Equipment and materials for light polymerisation.

Light-curing materials are among the most common helpers in the dental daily laboratory use. Without these and the appropriate equipment many elementary work steps cannot be adequately performed. This is why we constantly research innovations in the field of light curing. The replacement of light tubes by LEDs in our units is a shining example for simplified, more economical work processes.

Plaquit

Light-curing one-component benzoyl peroxide free lacquer with several application possibilities. Polymerisation in all standard laboratory units with a spectral range of 300–400 nm, e. g. EyeVolution®.

| | |
|--------------|--------|
| 20 ml bottle | D38124 |
| 50 ml bottle | D38123 |



Lightplast Lacquer

Light-curing one-component lacquer for the surface coating of light-curing tray plates. Lightplast lacquer creates a very smooth surface without pores. It polymerises in usual laboratory light units with a spectral range of 300–500 nm, such as EyeVolution®. Polymerisation time 3–5 minutes

| | |
|--------------|--------|
| 50 ml bottle | D38131 |
|--------------|--------|

NanoVarnish

Transparent, light-curing one-component lacquer. Thanks to specially structured nano-particles the material creates an ideal surface energy minimising the adhesion of germs. Extremely thin layers and optimum flowing characteristics facilitate the application. Curing in light polymerisation units with the spectral area 350–500 nm, like e.g. EyeVolution®.

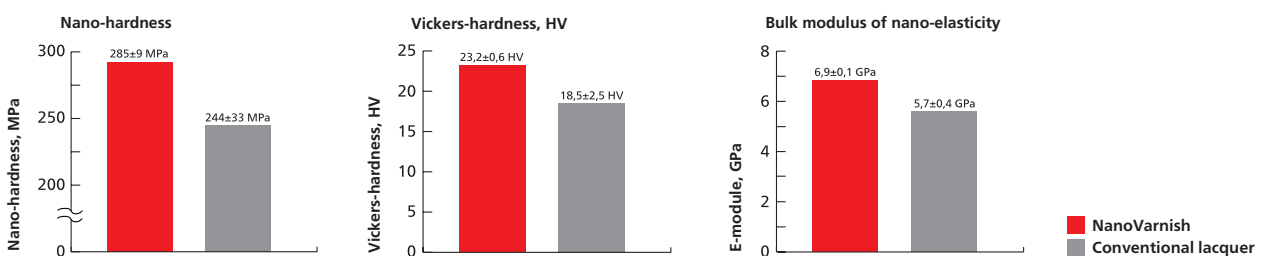
| | |
|------------------------------------|--------|
| 20 ml bottle incl. 10 MicroBrushes | D38900 |
|------------------------------------|--------|



NanoVarnish
Especially suitable for functional areas like implants, bars, attachments.



NanoVarnish vs. conventional lacquers



Light polymerisation Materials

Cenit L

Light-curing PMMA resin with facilitated application: Dosing aid enables applications of up to 2 mm layer thickness. For the production of space maintainers of medical and bleaching splints. Block out of undercuts or mounting of broken teeth or to fill up air bubbles in the working models. Polymerises in each standard laboratory light unit with a spectral range of 300–500 nm, e. g. EyeEvolution®.

| | |
|---|-------|
| 4 application syringes (2.5 g each) incl. 8 dosing tips | D3815 |
|---|-------|



Lightdon Bonding

Light-curing bonding liquid for the secure connection between Lightdon Gel and a suitable thermoforming splint base (e. g. Biolon).

| | |
|--------------|---------|
| 10 ml bottle | D38223B |
|--------------|---------|



Lightdon Gel

Light-curing one-component resin for permanent connection of the protrusion springs with thermoforming foils.

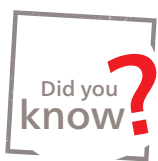
| | |
|-------------------------------|-------|
| 20 ml tube, clear-transparent | D3816 |
|-------------------------------|-------|



Lightplast Base Plates

Pre-formed, light curing upper jaw (UJ) resin base plates for the production of custom-made impression trays, bite patterns and resin bases for the tooth set-up for complete dentures. Polymerisation in all standard laboratory units with a spectral range of 300–500 nm, e.g. EyeEvolution®.

| | |
|-------------------|---------|
| 50 pieces, pink | D38135R |
| 50 pieces, nature | D38135N |



Lightplast Base Plates
Our 3D alternative: FotoDent® tray.

Individual trays, the classical application for Lightplast Base Plates

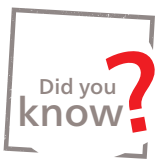


Light polymerisation

Light polymerisation Units

EyeEvolution® series

The EyeEvolution® light-curing units base upon the latest developments in the field of LED technique. They distinguish through their simple and intuitive handling, and due to their compact dimensions they are most suitable also for individual work stations. Most modern LED components generate exact wavelengths with extremely high light performances, thus providing for an optimum polymerisation with shortened curing times and minimum thermal strain on the material. Due to an almost unlimited durability of the LEDs the exchange of the light sources during maintenance is made redundant.



Different photo-initiators used in medical technology need different light sources. The light sources of the EyeEvolution® series are placed according to the fields of application of these units.

- ⊕ High hardness efficiency
- ⊕ Effective deep polymerisation
- ⊕ Quiet operation
- ⊕ Low thermal stress

EyeEvolution® MAX

Light polymerisation unit especially developed for all commonly available composites like in- and onlays or vestibular and occlusal veneers. Rotary reflective plate with 180° automatic swivelling and optimised LED-positioning with 6 bluelight and 1 UV light LEDs. Very short polymerisation time, e.g. thicknesses of up to 2 mm in three minutes.

EyeEvolution® MAX

D38101



The reflective rotary table avoids formation of shades during polymerisation

Ⓛ
1/2/3/5/10 min.



Light polymerisation Units

EyeVolution®

Light polymerisation unit especially developed for all commercially available base materials like build-up resins fo thermoformed splints, individual tray material, sealing lacquers and blockout resins. The built-in LEDs reach exactly the wavelength ranges that are needed for the activation of resins.

EyeVolution® D38100



1 / 2 / 3 / 5 / 10 min.



Positioning of the light source according to application

MultiSpot®

Polymerisation handset for lightcuring laboratory materials such as composites, splint materials, adhesives and bonding materials. Simultaneous use of UV and blue light LED with integrated performance control for all common wavelengths. A real relief in everyday laboratory work due to handy and wireless appliance.

Content:



0:33 min.

- 1 battery charger
- 1 visor ring






MultiSpot® D38110



"Third hand" in dental labs: MultiSpot®



Light polymerisation

| |  |  |  |  |  |
|-------------------------|---|---|---|---|---|
| EyeVolution® MAX | 100–240 V / 50–60 Hz, 0.7 A | max. 30 W | 385–390 (UV light) and 465–470 nm (bluelight) | 1.8 kg | 205x205x255 mm |
| EyeVolution® | 100–240 V / 50–60 Hz, 0.7 A | max. 18 W | 385–390 (UV light) and 465–470 nm (bluelight) | 1.5 kg | 205x205x255 mm |
| MultiSpot® | 100–240 V | 2.73 W | 385 (UV light) and 465 nm (bluelight) | 140 g | 140x30x30 mm |

Laboratory silicones Duplication silicones

Dublilil®

Addition-curing vinyl polysiloxanes for all application fields in dental duplication technique, with final hardness 15/20/22/30 Shore A. Dublilil® 15 and 20 are also available as speed versions which allow deflasking after only 10 minutes. Due to the used platinum hardener the forms are virtually shrinkage-free and show an outstanding storage stability. Excellent mechanical characteristics provide for a very smooth deflasking. Negative forms can be filled several times without losing any precision. The surface of the duplication model is smooth without any additional treatment.

- ⊕ High form constancy
- ⊕ Long-term stability
- ⊕ Easy to deflask, without loss of accuracy
- ⊕ Smooth surface without additional treatment

Dublilil® 15 speed

Highspeed duplicating silicone for all kinds of duplications with a final hardness of 15 Shore A. Very easy to deflask, with highly flexible final consistency.

| | |
|---------------------|-------|
| 2 x 850 ml bottle | D4815 |
| 2 x 5.1 l canister | D4816 |
| 2 x 21.2 l canister | D4817 |



Dublilil® 20 speed

Universal, ultrafast duplicating silicone for all kinds of duplications with a final hardness of 20 Shore A. Especially suitable for stable duplicating forms e. g. attachment and milling techniques through the medium final hardness.

| | |
|---------------------|-------|
| 2 x 850 ml bottle | D4515 |
| 2 x 5.1 l canister | D4516 |
| 2 x 21.2 l canister | D4517 |



Dublilil® 15

Thinflowing standard material with a final hardness of 15 Shore A for the complete duplication technique. Very easy to deflask with highly flexible final consistency.

| | |
|---------------------|-------|
| 2 x 850 ml bottle | D4801 |
| 2 x 5.1 l canister | D4806 |
| 2 x 21.2 l canister | D4807 |



Laboratory silicones Duplication silicones

Dublisil® 20

Universal duplicating silicone for all kinds of duplications with a final hardness of 20 Shore A. Especially suitable for stable duplicating forms, e. g. attachment and milling techniques through the medium final hardness.

| | |
|---------------------|-------|
| 2 x 850 ml bottle | D4527 |
| 2 x 5.1 l canister | D4528 |
| 2 x 21.2 l canister | D4529 |



Dublisil® 22 plus

Duplication silicone with a final hardness of 22 Shore A, with a high detail accuracy and high-grade mechanical characteristics which guarantee a problem-free deflasking due to excellent tensile strength at break and tear resistance.

| | |
|---------------------|-------|
| 2 x 850 ml bottle | D4533 |
| 2 x 5.1 l canister | D4531 |
| 2 x 21.2 l canister | D4532 |



Dublisil® 30

Duplication silicone with a high final hardness of 30 Shore A which is characterised by its high tear resistance. Ideally applicable for highly precise embedding material e.g. telescope or attachment works. Furthermore it can be used also in flaskless duplicating technique.

| | |
|---------------------|-------|
| 2 x 850 ml bottle | D4500 |
| 2 x 5.1 l canister | D4502 |
| 2 x 21.2 l canister | D4503 |



Dublisil® speed versions

Are particularly suitable for the processing in the Dosper eva. If mixed by hand, due to the short processing time, there will only be enough time to fill one flask.

| Dublisil® 15 speed | 3:00 min. | 10:00 min.* | > 99,8 % | 15 Shore A | turquoise | medium – type 2 |
|--------------------|-----------|-------------|----------|------------|------------|-----------------|
| Dublisil® 20 speed | 3:00 min. | 10:00 min.* | > 99,8 % | 20 Shore A | blackberry | medium – type 2 |
| Dublisil® 15 | 6:00 min. | 25:00 min.* | > 99,8 % | 15 Shore A | green | medium – type 2 |
| Dublisil® 20 | 6:00 min. | 25:00 min.* | > 99,8 % | 20 Shore A | pink | medium – type 2 |
| Dublisil® 22 plus | 5:00 min. | 25:00 min.* | > 99,6 % | 22 Shore A | red | medium – type 2 |
| Dublisil® 30 | 6:00 min. | 25:00 min.* | > 99,8 % | 30 Shore A | purple | medium – type 2 |

*incl. processing time

Laboratory silicones Modelling silicones

Laborsil pro

Kneadable lab putty with a final hardness of 70 or 90 Shore A, made of addition-curing silicone. The smooth and non-sticky initial consistency enables an easy and clean mixing in a 1:1 ratio. Laborsil pro is shrinkage-free and creates a highly precise impression and exact reproduction of details. Furthermore the material is heat resistant to up to 200 °C.

Laborsil pro 70

Kneadable laboratory putty with a medium final hardness made of addition-curing silicone. Especially suitable for matrix or control key. Smooth, non sticky initial consistency, mixing in ratio of 1:1. Shrinkfree results with exact reproduction of details.

| | | |
|------------|----------------------|--------|
| 2 x 450 ml | (approx. 2 x 750 g) | D38390 |
| 2 x 1.2 l | (approx. 2 x 1.9 kg) | D38391 |
| 2 x 3.45 l | (approx. 2 x 5 kg) | D38392 |

Laborsil pro 90







Extremely hard, kneadable laboratory putty with smooth single components for easy kneading. Especially suitable for model material for repairs, enlargements and bite fixations. Smooth, non-sticky initial consistency, mixable in a ratio of 1:1. Shrink-free results with exact reproduction of details.

| | | |
|------------|----------------------|--------|
| 2 x 450 ml | (approx. 2 x 750 g) | D38393 |
| 2 x 1.2 l | (approx. 2 x 1.9 kg) | D38394 |
| 2 x 3.45 l | (approx. 2 x 5 kg) | D38395 |



Very precise results with exact reproduction of details: Laborsil pro



| |  |  |  |  |  |  |
|-----------------|---|---|---|--|---|---|
| Laborsil pro 70 | 0:30 min. | 1:15 min. | 6:00 min. | 70 Shore A | grey | kneadable – type 0 |
| Laborsil pro 90 | 0:30 min. | 1:15 min. | 6:00 min. | 90 Shore A | grey | kneadable – type 0 |

Laboratory silicones Other laboratory silicones

Regofix transparent

Highly transparent silicone with a final hardness of 70 Shore A for versatile applications. Especially suitable as x-ray transparent matrix material for light-curing composites of anterior and lateral teeth. Also applicable for the fast and uncomplicated manufacturing of x-ray splints as well as for controlled bite registrations in difficult cases.

| | |
|---|---------|
| 2 x 50 ml double cartridges with 12 mixing tips | D504876 |
| 8 x 50 ml double cartridges | D504877 |

Material data see chapter "impression taking" on page 11



Production of a matrix with Regofix transparent

Silfix

Precise embedding material on the basis of addition-curing silicone with perfect flow characteristics for the production of full dentures. Especially developed for the denture pressing procedure. Guarantees a safe fitting of teeth in the counter part thanks to the final hardness of over 70 Shore A.

| | |
|--|---------|
| 2 x 200 ml dosing bottles with mixing beaker | D4311 |
| 4 x 50 ml double cartridges | D504310 |



| | | | | | | |
|--------|-----------|-----------|-----------|------------|------|--------------|
| | | | | | | |
| Silfix | 0:30 min. | 2:00 min. | 7:00 min. | 74 Shore A | pink | low – type 3 |

Laboratory silicones Other laboratory silicones

GumQuick

Addition-curing silicone for the production of flexible gingiva masks in three versions with colour adapted to natural gingiva. Exact and detailed working thanks to optimum flowing characteristics. Easy finishing with scalpel or rotating instruments. Shrinkage-free and storage stable.

GumQuick

Gingiva mask material especially developed for the C&B technique with very good tear-resistance and elongation values. Precisely applicable with scalpel or rotating instruments..

4 x 50 ml double cartridges

D504888



GumQuick Set

Gum mask material especially developed for the crown and bridge technique with very good stretch and tear resistance values. Perfectly applicable, easy to rework with scalpel or rotating instruments. The insulating material DuoSep included in the set also allows direct mask production in the impression.

Content:

- 2 x 50 ml double cartridge GumQuick with 12 Mixing tips
- 1 x 10 ml bottle DuoSep

GumQuick set

D504842

Production of gingiva mask with matrix on the model



GumQuick scan Set

Addition-curing silicone for the manufacturing of flexible and scannable gingiva masks in the CAD/CAM technique. Due to the special formulation optimal scannability or readability is achieved in commercially available detail scanners. The enclosed insulating agent DuoSep also allows a direct mask production in the impression.

Content:

- 2 x 50 ml double cartridge GumQuick scan with 12 Mixing tips
- 1 x 10 ml bottle DuoSep

GumQuick scan set

D504890



Laboratory silicones Other laboratory silicones



Developed for the digital process: GumQuick scan

GumQuick implant

Gingiva mask material especially developed for implant works. High final hardness and low flexibility for safe and exact secondary constructions. The polymerised gingiva mask shows an abrasion resistant surface.

4 x 50 ml double cartridges

D504898

GumQuick implant Set

Gingiva mask material especially developed for implant works. High final hardness and low flexibility for safe and exact secondary constructions. The polymerised gingiva mask shows an abrasion resistant surface. The enclosed insulating agent DuoSep also allows a direct production in the impression.

Content:

- 2 x 50 ml double cartridge GumQuick implant with 12 Mixing tips
- 1 x 10 ml bottle DuoSep








GumQuick implant set

D504892

Production of gingiva mask in the impression with GumQuick implant



| |  |  |  |  |  |
|-------------------------|---|---|---|---|---|
| GumQuick | 1:30 min. | 6:30 min. | 4.5 MPa | 60 Shore A | low – type 3 |
| GumQuick scan | 1:30 min. | 6:30 min. | 4.5 MPa | 65 Shore A | low – type 3 |
| GumQuick implant | 1:30 min. | 6:30 min. | 3.9 MPa | 75 Shore A | low – type 3 |

Laboratory silicones Other laboratory silicones



Indirect denture relining with MegaBase®

MegaBase®

Permanently soft-remaining relining material on the basis of addition-curing polysiloxanes. The auto-polymerising silicone is suitable for the direct (chair-side) and for the indirect production method. The scope is very diverse and includes e. g..

2 x 50 ml double cartridges

D5038223NR

MegaBase® Starter Kit

Content:

- 1 x 50 ml double cartridge MegaBase® silicone with 6 mixing tips
- 1 x 50 ml double cartridge MegaBase® 2K lacquer with 6 mixing tips
- 1 x 10 ml bottle MegaBase® Adhesive
- 3 x grinding tools
- 1 x notepad

MegaBase® Starter Kit

D5038223



Glossy sealing of the silicone denture relining

MegaBase® 2K lacquer

Colourless, transparent, self-curing 2-component silicone for the coating of soft relining of addition-curing silicones. Very easy to use. The result: transparent-glossy and sealed surfaces.

2 x 50 ml double cartridges, 12 mixing tips

D38233








MegaBase® Adhesive

For adhesion between the addition-curing silicone and acrylate.

10 ml bottle with brush insert

D5038220NA



| |  |  |  |  |  |  |  |
|-------------------|---|---|---|---|---|---|---|
| MegaBase® | 2:20 min. | 20:00 min. | 99.9 % | 4.9 MPa | 33 Shore A | medium – type 2 | pink-transparent |
| MegaBase® 2K Lack | 2:15 min. | 20:00 min. | – | – | 25 Shore A | low – type 3 | clear-transparent |

Laboratory silicones Other laboratory silicones

Odontosil

Clear-transparent, addition-curing silicone with a final hardness of 50 Shore A for the production of orthodontic elasto-positioners. The curing at room temperature permits, besides the indirect flask method, also the direct application with the double cartridge directly onto the set up model. Furthermore slight tooth corrections can be effected without any problems.

Odontosil 50

| | |
|---|----------|
| 2 x 50 ml double cartridges, 12 mixing tips | D5038150 |
| 8 x 50 ml double cartridges | D5038229 |

Odontosil 60

| | |
|---|----------|
| 2 x 50 ml double cartridges, 12 mixing tips | D5038160 |
| 8 x 50 ml double cartridges | D5038227 |

Odontosil 2K lacquer

Clear-transparent 2K silicone lacquer developed for coating Odontosil positioners made of addition-curing silicones. The result: transparent-glossy and sealed surfaces.

| | |
|---|--------|
| 2 x 50 ml double cartridges, 12 mixing tips | D38234 |
|---|--------|



Production of a silicone positioner with the Odontosil materials



| Odontosil 50 | 5:00 min. | 30:00 min. | > 99.5 % | > 5 MPa | > 15 N/mm | < 4.0 % | 50 Shore A | medium – type 2 |
|--------------|-----------|------------|----------|---------|-----------|---------|------------|-----------------|
| Odontosil 60 | 5:00 min. | 30:00 min. | > 99.5 % | > 5 MPa | > 17 N/mm | < 4.0 % | 60 Shore A | medium – type 2 |

Laboratory silicones Mixing-/Dosing unit

Dosper evo

Automatic mixing and dosing unit for thin-flowing, addition-curing duplication silicones. Due to its innovative adjustable flow it is suitable for all duplication silicones with a mixing ratio 1:1. The result: no unwanted emptying of the reservoirs and mixing of components. The unit is constantly ready for use and very economical and is profitable also for smaller labs.

Content:

- 5 mixing tips, pink
- 2 bottle adaptors

| | | |
|--------|------------------|---------|
| red | 230 V / 50–60 Hz | D5050 |
| silver | 230 V / 50–60 Hz | D50501 |
| red | 115 V / 50–60 Hz | D5050A |
| silver | 115 V / 50–60 Hz | D50501A |

- ⊕ **Reduced formation of shades** thanks to lighting of the working area
- ⊕ **Shortened and safe dispensing process**
- ⊕ **Improvement of the material quality values**
- ⊕ **Low thermal strain**







Material reservoirs for Dosper M3-M5 and Dosper evo

Transparent container made of sturdy plastic for duplicating silicone, equipped with quick coupling for easy installation. Filling volume approx. 1.7 l per reservoir.

| | |
|------------------------|-------|
| 2 pieces, Dosper evo | D5022 |
| 2 pieces, Dosper M3–M5 | D5021 |



| | | | | |
|-------------------|---|---|---|---|
| |  |  |  |  |
| Dosper evo | 230 V / 115 V | 250 W | 12 kg | 320x225x370 mm |

Laboratory silicones Accessories

Connection hoses for Dosper M3-M5 and Dosper evo

For the safe connection between small and large Dublilil® canisters and the Dosper units.

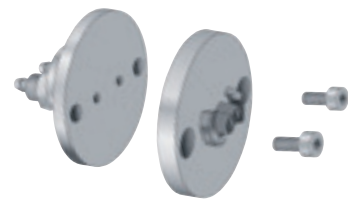
| | | | |
|--|--------------|--------|--------|
| 2 pieces, Connection hoses for canister (5.1 l) | Dosper evo | 265 mm | D49366 |
| 2 pieces, Connection hoses for canister (21.2 l) | Dosper evo | 475 mm | D49367 |
| 2 pieces, Connection hoses for canister (5.1 l) | Dosper M3-M5 | 265 mm | D49362 |
| 2 pieces, Connection hoses for canister (21.2 l) | Dosper M3-M5 | 475 mm | D49363 |



S-50 mixing head retro-fitting set for Dosper units

S-50 mixing head with a modified tip reception, complete with screws for easy and quick assembly.

| | |
|---|---------|
| Retro-fitting set incl. 5 mixing tips, pink | D50456N |
|---|---------|



Storage rack for Dosper M3-M5 and Dosper evo

For storage of Dublilil® containers above the Dosper.

| | |
|-----------------------------------|--------|
| small, 371 x 295 x 214 mm (HxWxD) | D49364 |
| big, 665 x 533 x 322 mm (HxWxD) | D49365 |



Dosper evo
When connecting the original containers please pierce a small hole into them in order to avoid different filling volumes.
... or simply use the material reservoirs!

Clean duplication process with Dosper evo



Laboratory silicones Accessories

- ⊕ Safe fitting of the negative due to retention part
- ⊕ Fixture with conical cuff
- ⊕ Top, cuff and base part are made of durable Makrolon plastic



Height adjustable flask

Dublilil® flask

Height adjustable flask for the economic silicone duplication technique for models with or without base. Highly economical through variably adjustable interior part and therefore best adjustment to the corresponding model situation.

Dublilil flask, incl. foam spacer

D3805



Economic duplications thanks to Dublilil® flask

Foam spacer

For Dublilil® flasks, encloses the model base for more economical duplications.

25 pieces

D38076

Foam spacer



Laboratory silicones Accessories

DuoSep

Insulation agent between addition-curing silicone and polyether materials.

| | |
|--------------------------------|-------|
| 10 ml bottle with brush insert | D4306 |
|--------------------------------|-------|



Mixing tips

Mixing ratio 1:1
 Inner-Ø 5.4 mm
 Colour pink

Dosper evo / M5
 Silfix

| | |
|------------|----------|
| 40 pieces | D4970X1 |
| 100 pieces | D49701X1 |



Mixing ratio 1:1
 Inner-Ø 6.5 mm
 Colour green

Regofix
 MegaBase®
 Odontosil

| | |
|------------|----------|
| 40 pieces | D4970X2 |
| 100 pieces | D49701X2 |



Mixing ratio 1:1
 Inner-Ø 5.4 mm
 Colour transparent

Dosper M4

| | |
|------------|--------|
| 40 pieces | D4960 |
| 100 pieces | D49601 |



Mixing ratio 1:1
 Inner-Ø 3.2 mm
 Colour light blue

GumQuick
 GumQuick scan
 GumQuick implant
 MegaBase® 2K Lack
 Odontosil 2K Lack

| | |
|------------|----------|
| 40 pieces | D4970X3 |
| 100 pieces | D49701X3 |



DS 50 Injector 1:1

For applications of dental laboratory silicones from S 50 double cartridges.

Mixing ratio 1:1

| | |
|--------------------|-------|
| DS 50 Injector 1:1 | D5007 |
|--------------------|-------|



More products and accessories

Modralit® 3K Set

Castable model stump material based on polyurethane for the production of precision models. Due to its edge strength, Modralit® 3K is excellently suited for the EM and NEM technology and is particularly suitable for step and partial crown preparations. The set is enough for about 10 complete tooth rims, which can then be coated with commercial painting systems.

Content:

- 2 x 100 ml bottles basis
- 1 x 100 ml bottle hardener
- 1 x 400 g tube filler material



| | |
|------------------|-------|
| Modralit® 3K set | D3926 |
|------------------|-------|



The precise alternative to the plaster model: Modralit® 3K

Separator

Agent for the separation of Modralit® 3K from polyether impressions, A-silicones from C-silicones and identical materials, for example A-silicones from A-silicones..

| | |
|--------------------------------|-------|
| 50 ml bottle with brush insert | D4305 |
|--------------------------------|-------|



GipsEx

Chemical plaster solvent for use e.g. in the resin technique. GipsEx is especially effective and consequently time-saving when cleaning resin dentures, mixing beakers etc. Suitable for use in ultra-sonic units.

| | |
|------------------|-------|
| 2 x 1 l bottle | D4395 |
| 1 x 5 l canister | D4396 |

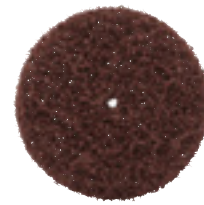


| | | | |
|--------------|---|---|---|
| |  |  |  |
| Modralit® 3K | ~ 2:00 min. | ~ 0.7 % | ivory |

More products and accessories

UltraTrimm

Flexible grinding wheels for the rough to fine elaboration of EVA thermoforming blanks for sports mouthguards (e.g. Drufosoft®), soft-remaining relining silicone (e.g. MegaBase®), positioner silicone (e.g. Odontosil) as well as hard and soft/hard thermoforming blanks at a maximum of 15.000 revolutions / minute.



UltraTrimm light
(Ø 28 mm / thickness 7 mm)



UltraTrimm medium
(Ø 28 mm / thickness 7 mm)



UltraTrimm heavy
(Ø 28 mm / thickness 14 mm)



Mandrel and support disc

UltraTrimm set

Set with several grinding wheels in different selectable hardnesses. Each set additionally contains 4 support discs as well as 1 mandrel.

| | |
|---|--------|
| UltraTrimm set light, 12 grinding wheels | D43753 |
| UltraTrimm set medium, 12 grinding wheels | D43752 |
| UltraTrimm set heavy, 6 grinding wheels | D43751 |

UltraTrimm economy pack

Storage pack with 80 resp. 40 grinding wheels in different selectable hardnesses.

| | |
|---|--------|
| UltraTrimm Set light, 80 grinding wheels | D43763 |
| UltraTrimm Set medium, 80 grinding wheels | D43762 |
| UltraTrimm Set heavy, 40 grinding wheels | D43761 |

Grinding cap holders and grinding caps

Rotating, ergonomic and interchangeable corundum grinding caps with a grain of 150 µm for the elaboration of EVA thermoforming blanks for sports mouthguards (e.g. Drufosoft®), soft-remaining relining silicone (e.g. MegaBase®) as well as positioner silicone (e.g. Odontosil) at a maximum of 20.000 revolutions / minute.

| Size | 1 x Grinding cap holder | | | 5 x grinding caps | |
|------|----------------------------|--|---------------------|------------------------------|--|
| 1 | round; Ø 7 mm D38230T1 | | ◀ compatible with ▶ | round; Ø 8,5 mm D38230S1 | |
| | pointed; Ø 5 mm D4458 | | | pointed; Ø 6,5 mm D4461 | |
| 2 | round; Ø 10 mm D38230T2 | | ◀ compatible with ▶ | round; Ø 11,5 mm D38230S2 | |
| | pointed; Ø 7 mm D4459 | | | pointed; Ø 8,5 mm D4462 | |
| 3 | round; Ø 13 mm D38230T3 | | ◀ compatible with ▶ | round; Ø 14,5 mm D38230S3 | |

More products and accessories

Mixing tips

Mixing ratio 1:1
 Inner-Ø 5.4 mm
 Colour pink

Dosper evo / M5
 StoneBite®
 StoneBite® scan
 Silfix

| | |
|------------|----------|
| 40 pieces | D4970X1 |
| 100 pieces | D49701X1 |



Mixing ratio 1:1
 Inner-Ø 6.5 mm
 Colour green

Dynax® clear
 Dynax® heavy body
 Dynax® mono
 Regofix
 Megabase®
 Odontosil

| | |
|------------|----------|
| 40 pieces | D4970X2 |
| 100 pieces | D49701X2 |



Mixing ratio 1:1
 Inner-Ø 4.2 mm
 Colour yellow

Dynax® light

| | |
|------------|----------|
| 40 pieces | D4970X5 |
| 100 pieces | D49701X5 |



Mixing ratio 1:1
 Inner-Ø 2.5 mm
 Colour brown

Fixtemp cement

| | |
|------------|----------|
| 40 pieces | D4970X6 |
| 100 pieces | D49701X6 |



Mixing ratio 4:1/10:1
 Inner-Ø 3.2 mm
 Colour light blue

Fixtemp C&B 4:1
 Fixtemp C&B 10:1

| | |
|------------|----------|
| 40 pieces | D4970X4 |
| 100 pieces | D49701X4 |



Mixing ratio 1:1
 Inner-Ø 5.4 mm
 Colour transparent

Dosper M4

| | |
|------------|--------|
| 40 pieces | D4960 |
| 100 pieces | D49601 |



Mixing ratio 1:1
 Inner-Ø 3.2 mm
 Colour light blue

GumQuick
 GumQuick scan
 GumQuick implant
 MegaBase® 2K Lack
 Odontosil 2K Lack

| | |
|------------|----------|
| 40 pieces | D4970X3 |
| 100 pieces | D49701X3 |



Mixing ratio 1:1
 Inner-Ø 4.2 mm
 Colour mint green

Dynax® light

| | |
|------------|----------|
| 40 pieces | D4970X7 |
| 100 pieces | D49701X7 |



More products and accessories

Tips

For mixing tips for intra-oral application.

transparent (e. g. for Dynax® clear)
yellow (e. g. for Dynax® light)

| | |
|------------------------|--------|
| 40 pieces, transparent | D49602 |
| 40 pieces, yellow | D49604 |



Application tips

For mixing tips for intra-oral application. Flattened form for bite registration materials.

transparent (e. g. for StoneBite®)

| | |
|------------------------|--------|
| 40 pieces, transparent | D49603 |
|------------------------|--------|



Bayonet-ring

Attachment for the use of 380 ml cartridges.

| | |
|----------------------|-------|
| Bayonet-ring, yellow | D4980 |
|----------------------|-------|



Application tips

Top pieces for dosing syringes.

Inner-Ø 0.9 mm

black (e. g. for Cenit L)

| | |
|------------------|-------|
| 15 pieces, black | D2308 |
|------------------|-------|



Mixing tip

Mixing ratio 5:1
Inner-Ø 6.0 mm
Colour yellow

Zerosil® soft
Dynax® heavy body
Dynax® mono
Dynax® putty

| | |
|-----------|-------|
| 15 pieces | D4982 |
| 50 pieces | D4981 |



The colours of the closure caps on the double cartridges indicate the mixing tips that belong to the respective product.

DS 50 Injector 1:1

For applications of dental laboratory silicones from S 50 double cartridges.

Mixing ratio 1:1

| | |
|--------------------|-------|
| DS 50 Injector 1:1 | D5007 |
|--------------------|-------|

DS 50 Injector 4:1/10:1

For the application of C&B materials from S50 double cartridges.

Mixing ratio 4:1/10:1

| | |
|-------------------------|-------|
| DS 50 Injector 4:1/10:1 | D5008 |
|-------------------------|-------|



Index

| | | | | | |
|--------------------------------|------------|--------------------------------------|------------|----------------------------------|--------|
| A | | F | | N | |
| Application tips – black | 63 | Fillin | 33 | NanoVarnish | 44 |
| Application tips – transparent | 12, 63 | Filter mats | 43 | | |
| B | | Finishing Liquid | 33 | O | |
| Base | 43 | Fixtemp C&B 4:1 | 13 | Odontosil 2K lacquer | 55 |
| Bayonet-ring | 12, 63 | Fixtemp C&B 10:1 | 13 | Odontosil 50 | 55 |
| BioBleach® hard | 22 | Fixtemp cement | 13 | Odontosil 60 | 55 |
| BioBleach® soft | 22 | Flask basket | 43 | P | |
| Biolit D | 22 | Foam placeholder | 58 | PCU LED N ₂ | 18 |
| Biolon | 22 | Foil scissors | 33 | Piercing cutter | 33 |
| Blank trays | 20 | FotoDent® cast | 17 | Plaquit | 44 |
| BlueSpray | 18 | FotoDent® denture | 16 | Polymax 1 (95°C / 120°C) | 41 |
| C | | FotoDent® gingiva | 17 | Polymax 3 | 41 |
| Canal piercing instrument | 39 | FotoDent® guide | 16 | Polymax 5 | 40 |
| Castdon Bonding | 38 | FotoDent® IBT | 16 | Pressure polymerisation insert | 35 |
| Castdon dosing aids | 39 | FotoDent® model | 17 | R | |
| Castdon flask | 39 | FotoDent® model2 | 17 | Refined steel granules | 34 |
| Castdon Monomer | 39 | FotoDent® setup | 17 | Regofix opak | 11 |
| Castdon Polymer | 38 | FotoDent® splint | 16 | Regofix transparent | 11, 51 |
| Castdon Starter Kit | 38 | FotoDent® tray | 16 | Round granules | |
| Cenit L | 45 | Funky tool | 35 | – recommended for Drufomat units | 34 |
| Connection hoses | | G | | S | |
| – for Dosper M3-M5/evo | 57 | Gelon | 39 | S-50 mixing head | 57 |
| D | | GipsEx | 60 | Sample selection | |
| DocSnoreNix® | 28 | Grinding caps | 61 | – thermoforming blanks | 20 |
| Dosper evo | 56 | Grinding cap holders | 61 | Separator | 60 |
| Dreve Mouthguard Label | 27 | GumQuick | 52 | Silicone grease | 33 |
| Dreve Mouthguard Box | 27 | GumQuick implant | 53 | Silfix | 51 |
| Drufolen H | 23 | GumQuick scan Set | 52 | Siliform | 39 |
| Drufolen W | 23 | I | | Steel granules | 34 |
| Drufomat scan | 30 | Isolat film | 39 | StoneBite® | 11 |
| Drufosmart | 31 | K | | StoneBite® scan | 11 |
| Drufosmart scan | 31 | K7 insert | 35 | Storage racks | 57 |
| Drufoplast | 25 | Kombiplast | 25 | Square cutter | 33 |
| Drufoplast incl. tray handle | 25 | L | | T | |
| Drufoplast impression trays | 32 | Labormat SD | 42 | Tips – transparent | 12, 63 |
| Drufosoft® | 24 | Labormat TH | 42 | Tips – yellow | 12, 63 |
| Drufosoft® pro | 25 | Laborsil pro 70 | 50 | TrayFix | 32 |
| DS 50 Injector 1:1 | 12, 59, 63 | Laborsil pro 90 | 50 | U | |
| DS 50 Injector 4:1 / 10:1 | 14, 63 | Lightdon Bonding | 45 | UltraTrimm economy pack | 61 |
| Dublisil® 15 | 48 | Lightdon Gel | 45 | UltraTrimm Set | 61 |
| Dublisil® 15 speed | 48 | Lightplast base plates | 45 | Unisol E | 43 |
| Dublisil® 20 | 49 | Lightplast lacquer | 44 | Unisol W | 43 |
| Dublisil® 20 speed | 48 | M | | UZF (Underlay blank) | 23 |
| Dublisil® 22 plus | 49 | Material reservoirs | | V | |
| Dublisil® 30 | 49 | for Dosper M3–M5/evo | 56 | Veins | 38 |
| Dublisil® flask | 58 | MaxiFresh™ cleaning tablets | 34 | W | |
| DuoSep | 59 | MegaBase® | 54 | Workout set | 32 |
| Dynax® clear | 9 | MegaBase® 2K lacquer | 54 | X | |
| Dynax® heavy body | 8 | MegaBase® adhesive | 54 | X-ray opaque stripes | 27 |
| Dynax® light | 8 | MegaBase® Starter Kit | 54 | Z | |
| Dynax® mono | 9 | Mixing tips – 4:1 / 10:1, light blue | 14, 62 | Zerosil® soft | 10 |
| Dynax® putty | 8 | Mixing tips – 5:1, yellow | 12, 62 | | |
| E | | Mixing tips – brown | 14, 62 | | |
| EyeEvolution® | 47 | Mixing tips – yellow | 12, 62 | | |
| EyeEvolution® MAX | 46 | Mixing tips – green | 12, 59, 62 | | |
| | | Mixing tips – light blue | 59, 62 | | |
| | | Mixing tips – mint green | 12, 62 | | |
| | | Mixing tips – pink | 12, 59, 62 | | |
| | | Mixing tips – transparent | 59, 62 | | |
| | | Mixing tips | | | |
| | | – for Dosper M4, transparent | 56 | | |
| | | Mixing tips – for Dosper M5 | | | |
| | | and Dosper evo | 56 | | |
| | | Modralit® 3K Set | 60 | | |
| | | MultiSpot® | 47 | | |

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