

Product catalogue

2019



Model creation
Duplication
Investing
Casting
Acrylic dentures
Polishing
Milling technique
Special products

www.siladent.de

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SILADENT Dr. Böhme & Schöps

Our experience is your success!

SILADENT is a family-operated dental company and belongs to the leading manufacturers of dental gypsums, duplicating materials, investments as well as abrasives and polishing material in Europe. We employ approx. 90 employees in 2 North German production sites.

We produce dental gypsum since 1924. We offer all gypsum qualities needed in the dental technology. We only use raw materials with the best quality from naturally occurring or synthetic gypsum from the food industry.

SILADENT is leading in the analogue dental casting technology. With our concerted material chain and the proven application we achieve a so far unprecedented fitting accuracy and surface quality. Many trend-setting dental techniques come from **SILADENT**: for example the first addition-curing duplicating silicone, the flask less duplicating technique, ring less embedding, the first speed investment as well as numerous additives for the dental technique. All of these developments are indispensable today in the daily dental work practice.

Next to the analogue materials we offer a continuously growing portfolio of digital milling materials under the name "BioStar". Our "SilaMill" milling systems are equipped with software solutions according to the practice. With the first adequate, self-developed CAD-software for manufacturing digital frameworks **SILADENT** is setting new digital standards. Digital manufacturing processes with our 3D printers have proven themselves due to their quality and economic efficiency. Experienced, multilingual application technicians are available for customers for all technical questions.

You can find further information under www.siladent.com



The company history from SILADENT Dr. Böhme & Schöps

- 1924 Ludwig Böhme produces the first dental gypsums in Hohenbocka/Lausitz, Eastern Germany. After WWII, his son Dr. Gerold Böhme sets up a second company, Dr. Böhme KG, in Bad Sachsa, Lower Saxony, and merges this with his father's company in 1989. In 1934, Carl Schöps begins producing and selling dental gypsums in Bad Sachsa/Harz.
- 1984 The company SILADENT-Technik GmbH is established in Munich. Adisil® becomes the first A-silicone used to make silicone duplicate moulds for investment casting, replacing the conventional gel duplicating materials. Specialist aluminium flasks are replaced by the technically superior and more economical SILADENT duplicating system. The fine-grained investment material Granisit® is introduced as it is more suitable for silicone duplication.
- 1985 The company Ludwig Böhme in Hohenbocka (VEB Dental-Chemie Hohenbocka) becomes the largest manufacturer of dental gypsums in Eastern Germany. Dr. Böhme KG in Bad Sachsa and Carl Schöps GmbH in Osterode develop new hard stones and super hard stones for the European market.
- 1986 The SILADENT system is completed. This comprehensive chain of coordinated materials and well thought-out applications sets completely new standards as regards fit and surface quality.
- 1994-1995 Development of "Presto Vest", the first speed casting investment for c&b. Introduction of the universal "Premium", still one of the most successful speed casting investments.
- 1995 The companies "Dr. Böhme KG" and "Carl Schöps GmbH" merge to become "Dr. Böhme & Schöps Dental GmbH", headquartered in Goslar.
- 1995 SILADENT-Technik joins the well-established "ERNST HINRICHS Dental" group in Goslar.
- 2000 SILADENT-Technik transfers its headquarters from Munich to newly built administration and production buildings in Goslar, benefiting from its cooperation with Dr. Böhme & Schöps Dental on dental gypsums and abrasive materials.
- 2003 Dr. Böhme & Schöps Dental takes over established Berlin-based company "W. Röhrich & Co. GmbH", which was created by the Kühnast family in 1896 and supplied dental laboratories and industrial businesses with specialist gypsums products for over three generations.
- 2004 "SILADENT-Technik GmbH" and "Dr. Böhme & Schöps Dental GmbH" merge to become "SILADENT Dr. Böhme & Schöps GmbH". The new company supplies perfectly coordinated dental materials for everything from model creation and duplicating to investing and casting.
- 2005 Modern production facilities and a new dispatch warehouse are built.
- 2008 SILADENT Dr. Böhme & Schöps takes over the German leading one-piece casting system called TEK-1 from the founder Rainer Ehrlich.
- 2010 Extended product range with CAD-CAM consumables products under the brand „BioStar“ and milling systems under the brand „SilaMill“.
- 2015 Introduction of a CAD software called "SilaPart" for the digital production of high quality partial framework denture.
- 2017 Sales start of 3D printer systems under the brand "SilaPrint".

SilaPoly

A two component (1:1) model material based on polyurethane with a low shrinkage for the production of demonstration and presentation models and for internal control models as well.

- very low-viscous (thin flowing)
- easy to process
- long working time
- low shrinkage < 0,1 %
- stable in dimension
- high precision and edge stability
- easy to mill and grind
- optionally dyeable in different colours

SilaPoly, 2 x 1 kg bottles

REF 243002

Colouring paste for SilaPoly:

SilaPoly Colour white, 100 ml dosage bottle

REF 243004

SilaPoly Colour black, 100 ml dosage bottle

REF 243005

SilaPoly Colour red, 100 ml dosage bottle

REF 243006

SilaPoly Colour yellow, 100 ml dosage bottle

REF 243007

SilaPoly Colour blue, 100 ml dosage bottle

REF 243008

SilaPoly Colour green, 100 ml dosage bottle

REF 243009

SilaPoly Colour Set,

6 x 100 ml 100 ml dosage bottles

REF 243011



Base former

By means of the SILADENT base former, the model creation obtains a fast, economical and clean working basis. After 5 seconds only, the perfect base former is ready for each impression. The simple handling and the high economic efficiency (low consumption of material) turns the base former into an important practice attendant.

SILADENT Base former, set (upper & lower jaw)

REF 102640

SILADENT Base former, set (upper jaw)

REF 102641

SILADENT Base former, set (lower jaw)

REF 102642



Model system Profident 2010



Model system "Profident 2010"

This innovative, reliable model system ensures maximum precision and saves a great deal of time and material. There is no need to invest in additional, expensive equipment. The Profident 2010 can also be used for fabricating high-quality sectioned models quickly. After preparing the impression, the complete model including the base is fabricated in one step. The Profident 2010 has a preformed, dimensionally stable split cast. The components and pin base plates, which are supplied in two sizes, are reusable and cover all applications.

Profident 2010, complete starter set, incl. instructions for use REF 240000

Contents: 1 x working instruction; 3 x pin base plate, size 1; 2 x pin base plate, size 2; 3 x study model plate, size 1; 2 x study model plate, size 2; 2 x model sleeve, size 1; 1 x model sleeve, size 2; 1 x removal device; 1 x 100 ml Profisep 2010; 1 x positioner plate, size 1; 1 x positioner plate, size 2.

Pin base plate incl. split cast plate and magnet, size 1 REF 240001

Model sleeve, size 1 REF 240002

Study model plate, size 1, 25 plates REF 240003

Removal device, size 1 REF 240004

Pin base plate incl. split cast plate and magnet, size 2 REF 240011

Model sleeve, size 2 REF 240012

Study model plate, size 2, 25 plates REF 240013

Removal device, size 2 REF 240014

Profisep 2010 (separating agent), 100 ml REF 240021

Profisep 2010 (separating agent), 500 ml REF 240022

Profisep Clean (cleaning agent), 400 ml REF 240023

Pin base plate ECO incl. magnet

A base plate with plastic pins (instead of metal pins) as an economic solution for the perfect model, compatible with the model system Profident 2010.

Pin base plate ECO incl. magnet, size 1, 10 pieces REF 240505

Model hammer

For an easy remove of the pin base plate ECO. REF 240531

Transparent packagings

Ensures a safe transportation of gypsum models, restorations, etc. Set of 3 pieces, perforated, with foam insert.

Transparent packagings, size 1 REF 241100
(W 78 mm x D 69 mm x H 44 mm) set of 3

Transparent packagings, size 2 REF 241101
(W 90 mm x D 78 mm x H 58 mm) set of 3

DIN EN ISO 6873, Preparations of impressions

DIN EN ISO 6873

The European countries have approved set instructions for dental gypsum. Type 5 for super hard stone with high expansion are a new category.

DIN EN ISO 6873, **which is binding for all manufacturers**, classifies the products as follows:

- Type 1 Impression Plaster**
- Type 2 Plaster & Articulation plaster**
- Type 3 Hard Stone**
- Type 4 Super Hard Stone (up to 0.15% expansion)**
- Type 5 Super Hard Stone (up to 0.30% expansion)**

Following minimum requirements for the different classes were stipulated:	Standard consistency in mm	Minimum processing time in minutes	Min./Max. hardening time in minutes	Max. hardening expansion in % after 2 hours	Min./Max. compressive strength N/mm ² after 1 hour
Type 1 Impression Plaster	80 +/- 4	1,25	2,5 / 5,0	0,15	4,0 / 8,0
Type 2 Plaster & Articulation plaster	75 +/- 4	2,5	6,0 / 30,0	0,30	9,0
Type 3 Hard Stone	30 +/- 3	3,0	6,0 / 30,0	0,20	20,0
Type 4 Super Hard Stone, low exp.	30 +/- 3	3,0	6,0 / 30,0	0,15	35,0
Type 5 Super Hard Stone, high exp.	30 +/- 3	3,0	6,0 / 30,0	0,16 - 0,30	35,0

If comparing the data provided for the various gypsum, please ensure compliance with the times stipulated. Binding expansion must be determined 2 hours after, and pressure resistance 1 hour after water-gypsum contact. If other times or measuring units (e.g. Brinell hardness, hardness) are specified, these are not comparable with the DIN EN ISO 6873 values and will mislead the user. Our quality controls at the plant are in strict compliance with DIN EN ISO 6873.

Preparations of Impressions

In laboratory practice, problems between the various moulding compounds and gypsum arise time and time again. Since some moulding compounds have an aggressive reaction towards gypsum, pre-treatment is required in order to prevent, for instance, efflorescence on the surface of the gypsum model. We therefore recommend the following measures:

Material	Alginate	Polyether	Hydrocolloids	Silicones
Properties	Shrinking will occur as a result of moisture loss. Cannot be stored longterm – max. 1 hour; keep moist.	Hydrophilic properties/ Swells if stored for a long time in disinfectant.	Pour out immediately, otherwise the volume will alter considerably.	Stable shape and insensitive without a change in volume.
Preparation	Completely remove saliva- and blood residues. Neutralise by immersing in trimmer water or gypsum powder/ Thicken with alginate liquid.	Remove saliva- and blood residues under tap water.	Completely remove saliva- and blood residues under tap water. Neutralise by immersing in trimmer water or gypsum powder, then rinse and immerse in 2% potassium sulphate solution.	Remove blood- and saliva residues under tap water.
Disinfection	With conventional disinfectant or 1% peracetic acid; risk of swelling. Rinse under tap water.	With conventional disinfectant; again a risk of swelling – therefore disinfect only for a short period.	With conventional disinfectant or 1% peracetic acid. Again a risk of swelling. Rinse under tap water.	With conventional disinfectants.
Storage	Pour out after a max. of 60 minutes and protect against drying out with moist wipes.	Good storage stability; relatively insensitive.	Quickly pour out/gypsum with a short setting time are beneficial; prolonged contact adversely affects the surface of the gypsum model.	Cross-linking silicones can be stored for unlimited periods; condensation-cross-linked silicones can be stored for a limited period.

Strictly comply with the manufacturer's instructions for use when using moulding compounds and disinfectants.

10 gypsum rules

Preparation

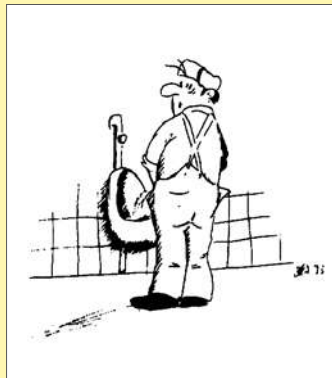
Before mixing a new load of gypsum, check whether the mixing equipment is clean and dry. Remnants of old gypsum on mixing-spatulas, containers or stirrers will give rise to negative changes in the setting time and in the expansion of the new mixture. Ideally, gypsum should always be mixed in vacuum and in carefully weighed ratio of powder to water. Measuring by rule of thumb will naturally lead to considerable deviations in the technical data. The duration and intensity of stirring must be adapted to the manufacturer's specifications. The water must always be filled in first and the gypsum powder sprinkled in afterwards.



Mixing Water

Dental gypsum can generally be mixed with distilled water at room temperature. If the water is very hard, the setting time may differ from that quoted. Use additives with care! In such case, use demineralized or distilled water.

If you add, for example, trimming water or gypsum hardener fluids, losses of quality cannot be ruled out.



Sprinkling the gypsum powder

Sprinkle the gypsum powder into the mixing water evenly but quickly, i.e. within about 10 seconds. According to DIN EN ISO 6873, the time interval starts when the powder and the water come into contact for the first time.

Allow the powder about 20 seconds of soaking time before beginning to mix with a spatula. When using impression plasters (type 1), stir the mixture manually with a spatula for 30 seconds. Plaster (type 2), Hard Stone (type 3) and Super Hard Stone (type 4) should be stirred for 60 seconds.



Moving from the mould

Never move a solidified model from the mould sooner than 30 minutes after casting. On account of their poor volumetric stability, alginate and hydrocolloidal moulds should be cleaned, disinfected and neutralized before being filled with the gypsum. These moulds should be emptied after 30 minutes, however, because they act aggressively on gypsum. With other impression materials it is an advantage to remove the models up to one hour later.



Expansion

All gypsum expand at the end of the setting period. The extent of the expansion depends on the composition of the gypsum, the ambient temperature and the air moisture. A comparison of expansion measurements between different gypsum is only possible with absolutely identical conditions and time data. Our expansion specifications are determined, therefore, in accordance with DIN EN ISO 6873. When you draw comparisons, please look for reference to the DIN-standard and concrete time data! DIN lays down that the gypsum's expansion must be stipulated in % after 2 hours and that its pressure resistance must be quoted in MPa after one hour.

If a model is kept for some time at room temperature and at a low level of air moisture, the expansion will decrease by about 30 %. Soaking the model, as it is sometimes necessary, will cause the expansion to increase again slightly, even with set gypsum. Our dental gypsum lie far below the expansion values permitted by

the DIN standard (see table). Practice shows, however, that a certain expansion of the gypsum is required in order to compensate the contraction of other materials.



Mixing

Mixing in a vacuum mixer generally has a positive effect on the gypsum. When mixing mechanically in a vacuum, you will need only half the time quoted for manual mixing, i.e. 60 seconds mixing by hand equals 30 seconds mixing by machine (280 rounds/min. with 5-6 bar).

You should never add more gypsum powder to an excessively thin mix or more water to an excessively thick mix. You will only be interfering in the setting process and will damage the gypsum crystal structure.



Casting

The finish mixture must be transferred immediately to the mould.



Never mix more gypsum at the time than you will need for 2-3 impressions because the mould must be filled within the processing time. During the crystal forming process, which starts at the end of the processing time, the gypsum must be left alone. If you work with a gypsum that has started to solidify, the fine details will not be reproduced with enough accuracy and the strength of the gypsum will be reduced notably. This point must be observed particularly if you use vibrator. Filling the mould on a vibrator certainly has a positive impact on the formation of bubbles, pressure resistance and fluidity, but the vibrating must never be continued into the setting time.

Modelling time

If the gypsum loses its lustre, it is possible to model or trim the gypsum for about 60 seconds. The subsequent setting time varies from one grade of the gypsum to another. We fix a setting time of approx. 10-12 minutes +/- 1,5 minutes for hard stone (type 3). Some super hard stone, on the other hand, are tuned for longer overall setting times. Setting times in accordance with a customer's individual wishes are possible for large orders. The gypsum must not be processed in any way during the setting time.



Surface problems

Difficulties with the surface between the gypsum and alginate or hydrocolloidal moulding materials can be overcome by pretreatment of the mould. Alginate impressions can be neutralized with trimming water of gypsum powder and insulated with alginate insulant to prevent blooming or unhardened areas in the surface of the model. Hydrocolloidal impressions should be replaced in potassium sulphate or potassium carbonate solution and neutralized.



Carefully remove saliva and blood remnants, as they will also impair a dental gypsum setting properties.

Soaking the model






























































Gypsum casts should never be subjected to shock treatment. If a cast needs to be evaporated for example, soaking (for approx. 5-8 minutes) will reduce the risk of the model being affected by flaking and cracking. Cleaning with a stream lance may remove surface layers and lead to inaccurate contours. Models are best cleaned with a soft brush and a mild

soap solution. Brief soaking may also prevent flaking and spalling when old models are being sawn or prepared. In order to prevent surface erosion, the water can be saturated with calcium sulphate, for example by inserting old models.



Recommendation for applications

There is no such thing as a universal gypsum that meets all requirements. The principal indications for the various dental gypsum are listed below. Of course, the use of these gypsum may overlap, depending on your experience in this field.

	implant models, saw-cut models, master models	Partial frameworks (CrCo)	Working models, counter-bite models, acrylic dentures	Acrylic dentures, repairs, relines	Study models	Dental coroneae sockets for saw-cut models, for all pin systems	Orthodontic cases, show models, super white	Articulation, pre-walls, impressions	Scannable
Plaster & Articulation plaster, type 2									
Dr. Balzer® Special plaster									
Articulation plaster									
Mounting Stone									
Universal									
Spezial									
Dura-semi-hard-plaster									
Hard Stone, type 3									
Neo Marmorit® Super									
Neo Marmorit®									
Neo Marmorit® Speed									
Modelit®									
Marmodent®									
Marmodent® S									
Neo Marmorit® E									
Natura									
Ortho Plaster									
Super Hard Stone, type 4									
Marmorock® Saphir									
Marmoplast® N									
Marmorock® 20									
Marmorock® 22/24									
Marmorock® Speed									
Japan-Stone									
Neo Stone									
Die Stone									
Excalibur									
Base Stone (FL)									
CAM-Stone N									
Super Hard Stone, type 5									
Die Keen									
MarmoDie									
Marmorock® E									

Articulation plaster, type 2

Dr. Balzer® Special plaster

A fast setting, high precision special plaster with peppermint smell, which is mainly used as a fast setting articulation plaster. Dr. Balzer is easy to handle, has a creamy consistency and guarantees an exact impression with a very low expansion.



Articulation plaster, type 2	Dr. Balzer® Special plaster
Colour	natural white, pink
Water-Powder-ratio	50 : 100
Working time in minutes	1.5
Setting time in minutes	2.5
Setting expansion %	0.06
Compressive strength, after 1 hour	15 MPa
Compressive strength, dry	20 MPa
Packing	25 kg; 20 kg; 5 kg

Product	Colour	25 kg bag REF	20 kg carton REF	5 kg bag REF
Dr. Balzer® Special plaster	natural white	201134	201139	201130
	pink	200114	200119	200110

Articulation plaster, type 2



Articulation plaster Natural material
with lemon smell

A special plaster for articulation works, characterised by slight expansion and excellent setting properties. For bite-interlocking, transfer sockets and reaming techniques, pre-walls and reamed sockets; fixing of KFO sockets, registering bite.

Recommendation: **Articulation.**



Articulation plaster Synthetic material

A special plaster for articulation works, characterised by slight expansion and excellent setting properties. For bite-interlocking, transfer sockets and reaming techniques, pre-walls and reamed sockets; fixing of KFO sockets, registering bite.

Recommendation: **Articulation.**



Mounting Stone Natural material

Controlled plaster, very white, for precise impression and articulation work. Extremely low setting expansion and excellent positioning. Absolute precision is ensured for articulation casts. Its short setting time facilitates efficient work.

Recommendation: **Articulation, pre-walls.**

Articulation plaster, type 2	Articulation plaster, natural material	Articulation plaster, synthetic material	Mounting Stone
Colour	natural white	super white	snow white
Water-Powder-ratio	40 : 100	30 : 100	56 : 100
Working time in minutes	2.0	2.0	1.5
Setting time in minutes	4.5	4.5	2-3
Setting expansion %	0.04	0.04	0.08
Compressive strength, after 1 hour	20 MPa	20 MPa	18 MPa
Compressive strength, dry	30 MPa	30 MPa	30 MPa
Packing	25 kg; 20 kg; 4 x 5 kg; 5 kg	25 kg; 20 kg; 4 x 5 kg; 5 kg	22.7 kg

Product	Colour	25 kg bag REF	20 kg carton REF	4 x 5 kg bags REF	5 kg bag REF
Articulation plaster, natural	natural white	200104	200109	200101	200100
Articulation plaster, synthetic	super white	200894	200899	200891	200890
Mounting Stone	snow white	22.7 kg 200504	-	-	-

Plaster, type 2

Universal Plaster

Made of pure Alabaster of the Harz mountains with share of 25 % of hard stone. A material with controlled expansion values you can produce volume constant and solid moulds with.

Short setting time: 10 - 12 minutes.

Recommendation: **study models, fixing of situation casts.**



Spezial Plaster

Produced of pure Alabaster of the Harz mountains, contains a quarter of hard stone. Moulds made with this alabaster plaster are volume constant and solid. Controlled expansion.

Long setting time: 18 - 22 minutes.

Recommendation: **study models, fixing of situation casts.**



Dura semi-hard plaster

Is used for laboratory work, when hard stone is too hard and the conventional plaster is too soft. Dura semi-hard plaster ist especially suitable for working on plastics. With this plaster best results can be achieved.

Recommendation: **acrylic dentures, repairs, relines.**



Plaster, type 2	Universal	Spezial	Dura semi-hard plaster
Colour	natural white	natural white	blue, green, natural white
Water-Powder-ratio	50 : 100	50 : 100	40 : 100
Working time in minutes	5-6	10-12	5-6
Setting time in minutes	10-12	18-22	10-12
Setting expansion %	0.15	0.28	0.16
Compressive strength, after 1 hour	15 MPa	12 MPa	20 MPa
Compressive strength, dry	20 MPa	18 MPa	40 MPa
Packing	25 kg; 20 kg; 5 kg	25 kg; 20 kg; 5 kg	25 kg; 5 kg

Product	Colour	25 kg bag REF	25 kg carton REF	5 kg bag REF
Universal	natural white	200134	20 kg 200139	200130
Spezial	natural white	200124	20 kg 200129	200120
Dura semi-hard plaster	blue	200164	200169	200160
	green	201644	201649	201640
	natural white	201634	201639	201630

Hard stone, type 3



Neo Marmorit® Super

Natural material, mixture of type 3 + 4

Casts have a smooth surface, are pressure resistant and retain their shape. This is ideal hard stone for parodontal bracing, metal plates, supported prothese in precious metals and steel, for regulation work and all other operations calling for the greatest possible accuracy of fit and hardness.

Recommendation: **working and checkbite casts, acrylic dentures, repairs, relines, situation casts.**

Neo Marmorit® Natural material

Neo Marmorit has a good volume stability and shape, is highly pressure resistant and has a smooth surface. These are all outstanding properties for the manufacture of prostheses with a perfect fit, whether it is out of hard stone, precious metals or steel alloys. This hard stone is made of pure natural hard gypsum. Also available as Neo Marmorit Speed, where a quick setting time (6-7 min.) is desired.

Recommendation: **working and checkbite casts, acrylic dentures, repairs, relines, situation casts.**

Neo Marmorit® Speed Natural material

A special short setting double grained hard stone for quick repairs and urgent works. The model surface is very smooth with a high compressive strength. Due it's quick setting time the gypsum model can be removed after 10-15 minutes and further work completed on it.

Recommendation: **working and checkbite casts, acrylic dentures, repairs, relines, situation casts.**

Hard stone, type 3	Neo Marmorit® Super	Neo Marmorit®	Neo Marmorit® Speed
Colour	grey, white, mint	blue, green, yellow	blue, yellow
Water-Powder-ratio	26 : 100	30 : 100	30 : 100
Working time in minutes	5-6	5-6	3
Setting time in minutes	10-12	10-12	5-6
Setting expansion %	0.12	0.14	0.13
Compressive strength, after 1 hour	40 MPa	30 MPa	30 MPa
Compressive strength, dry	70 MPa	60 MPa	60 MPa
Packing	25 kg; 4 x 5 kg; 5 kg	25 kg; 4 x 5 kg; 5 kg	25 kg; 4 x 5 kg; 5 kg

Product	Colour	25 kg bag REF	25 kg carton REF	4 x 5 kg bags REF	5 kg bag REF
Neo Marmorit® Super	grey	202314	202319	202311	202310
	white	200234	200239	200231	200230
	mint	202374	202379	202371	202370
Neo Marmorit®	blue	200204	200209	200201	200200
	green	200584	200589	200581	200580
	yellow	200214	200219	200211	200210
Neo Marmorit® Speed	blue	202004	202009	202001	202000
	yellow	202104	202109	202103	202100

Hard stone, type 3

Modelit® Natural material

For hard and solid casts with an exceptional pressure resistance and a smooth surface.

Recommendation: **working and checkbite casts, acrylic dentures, repairs, relines, situation casts.**



Marmodent® Natural material

Especially suitable for prosthetics and orthodontics because of special choice and raw materials and selected production process.

Recommendation: **working and checkbite casts, acrylic dentures, repairs, relines, situation casts.**



Marmodent® S Synthetic material

Synthetic hard stone for orthodontics and prosthetics. Especially suitable for show models and similar purposes.

Recommendation: **working and checkbite casts, acrylic dentures, repairs, relines, situation casts, orthodontics, very white show models.**



Hard stone type 3	Modelit®	Marmodent®	Marmodent® S
Colour	blue, yellow	blue, yellow, green, pink, natural white	blue, yellow, super white
Water-Powder-ratio	30 : 100	30 : 100	30 : 100
Working time in minutes	5-6	5-6	5-6
Setting time in minutes	10-12	10-12	10-12
Setting expansion %	0.14	0.17	0.17
Compressive strength, after 1 hour	30 MPa	23 MPa	26 MPa
Compressive strength, dry	60 MPa	50 MPa	50 MPa
Packing	25 kg; 4 x 5 kg; 5 kg	25 kg; 4 x 5 kg; 5 kg	25 kg; 4 x 5 kg; 5 kg

Product	Colour	25 kg bag REF	25 kg carton REF	4 x 5 kg bags REF	5 kg bag REF
Modelit®	blue	200634	200639	200631	200630
	yellow	200624	200629	200621	200620
Marmodent®	blue	200824	200828	200829	200820
	yellow	200814	200818	200819	200810
	green	200844	200848	200849	200840
	pink	201834	201839	201838	201830
	natural white	200834	200838	200839	200830
Marmodent® S	blue	208244	208249	208299	208201
	yellow	208144	208149	208199	208101
	super white	208344	208349	208399	208301

Hard stone, type 3



Neo Marmorit® E Natural material

A special formulated dental stone with a high setting expansion. This special gypsum is used for the model creation and the investing during the use with dental acrylics where a high expansion is necessary to compensate the shrinkage of the acrylic dentures (e.g. SR Ivocap Injection System). Neo Marmorit® E is also usable for all flexible resins (e.g. Valplast; Flexstar / Nobilium).

Recommendation: **acrylic dentures**



Natura Natural material (orthodontics)

A volume-retaining dental hard stone, which is used for orthodontics. Its smooth surface and high pressure resistance are special characteristics of this natural hard stone.

Recommendation: **working and checkbite casts, acrylic dentures, repairs, relines, situation casts, orthodontics, very white show models.**



Ortho Plaster Natural material (orthodontics)

It is used for orthodontic casts and study models, easy to mix, has a good fluidity and is harder than ordinary orthodontic hard stones. Easy to grind and polish. Furthermore a shiny, ultra white surface can be achieved.

Recommendation: **orthodontics, very white show models.**

Hard stone, type 3	Neo Marmorit® E	Natura	Ortho Plaster
Colour	white	super white	snow white
Water-Powder-ratio	25 : 100	30 : 100	35 : 100
Working time in minutes	5-6	5-6	8
Setting time in minutes	10-12	10-12	13-15
Setting expansion %	0.60	0.14	0.12
Compressive strength, after 1 hour	30 MPa	30 MPa	30 MPa
Compressive strength, dry	60 MPa	60 MPa	62 MPa
Packing	4 x 5 kg; 5 kg	25 kg; 4 x 5 kg; 5 kg	22,7 kg

Product	Colour	25 kg bag REF	25 kg carton REF	4 x 5 kg bags REF	5 kg bag REF
Neo Marmorit® E	white	-	-	200241	200240
Natura	super white	200224	200229	200221	200220
Ortho Plaster	snow white	-	22,7 kg 200493	-	-

Super hard stone, type 4

Marmorock® Saphir Synthetic material

An extremely hard super hard stone with a snap-set effect (long working time). You can demould the die stone after 30 minutes and work on it. Marmorock® Saphir has a very creamy flowing property with a high thixotropy and low expansion. The extraordinary colours depend on special compounds which are scannable, absolutely homogenous and free from reams.

Recommendation: **implant models, saw-cut models, master models, scannable**



Marmoplast® N Resin-stabilized material

Marmoplast® N is possessing a high edge stability and low expansion. Marmoplast N is not brittle and does not splinter as easily as other super hard stones. Super smooth surface and especially high fluidity.

Recommendation: **implant models, saw-cut models, master models**



Super hard stone, type 4	Marmorock® Saphir	Marmoplast® N
Colour	golden brown, ivory, maize yellow, light grey, super white	golden brown, ivory, apricot, pearlgrey
Water-Powder-ratio	20 : 100	20 : 100
Working time in minutes	6-7	7-8
Setting time in minutes	10-12	15-17
Setting expansion %	0.08	0.09
Compressive strength, after 1 hour	65 MPa	60 MPa
Compressive strength, dry	90 MPa	90 MPa
Packing	4 x 5 kg; 5 kg	25 kg; 4 x 5 kg; 5 kg

Product	Colour	25 kg bag REF	25 kg carton REF	4 x 5 kg bags REF	5 kg bag REF	5 kg bag REF
Marmorock® Saphir	golden brown	-	-	-	206602	206600
	ivory	-	-	-	206612	206610
	maize yellow	-	-	-	206622	206630
	light grey	-	-	-	206632	206630
	super white	-	-	-	206642	206640
Marmoplast® N	golden brown	170104	170109	170108	170101	170101
	ivory	171004	171009	171008	171000	171000
	apricot	171014	171019	171018	171010	171010
	pearlgrey	171024	171029	171028	171020	171020

Super hard stone, type 4



Marmorock® 20 Natural material

A fine flowing and thixotropic super hard stone with an exceptional hardness. Outstanding edge stability and compressive strength, very good resistance to scratching and breakage while having a minimum expansion. Also available as Marmorock Speed, where a quick setting time (6-7 minutes) is desired.

Recommendation: **implant models, saw-cut models, master models**

Marmorock® 22 Natural material

A reliable and thixotropic super hard stone with a high hardness. Marmorock® 22 offers smooth surfaces and good edge stability combined with a very low expansion.

Recommendation: **implant models, saw-cut models, master models**

Marmorock® 24 Natural material

A medium hard and thixotropic super hard stone. Marmorock® 24 offers smooth surfaces and good edge stability combined with a low expansion.

Recommendation: **saw-cut models, control models, orthodontic cases, models for partial frameworks**

Super hard stone, type 4	Marmorock® 20	Marmorock® 22	Marmorock® 24
Colour	golden brown, yellow, green, white	golden brown, yellow, green, white	golden brown, white
Water-Powder-ratio	20 : 100	22 : 100	24 : 100
Working time in minutes	6-7	6-7	6-7
Setting time in minutes	12-14	12-14	12-14
Setting expansion %	0.09	0.09	0.10
Compressive strength, after 1 hour	60 MPa	55 MPa	50 MPa
Compressive strength, dry	90 MPa	80 MPa	75 MPa
Packing	25 kg; 10 kg; 4 x 5 kg; 5 kg	25 kg; 10 kg; 4 x 5 kg; 5 kg	25 kg; 10 kg; 4 x 5 kg; 5 kg

Product	Colour	25 kg bag REF	25 kg carton REF	4 x 5 kg bags REF	5 kg bag REF
Marmorock® 20	golden brown	200594	200592	200598	200598
	yellow	205904	205902	205908	205908
	green	205914	205912	205918	205918
	white	200604	200609	200608	200608
Marmorock® 22	golden brown	205924	205922	205928	205928
	yellow	205934	205932	205938	205938
	green	205944	205942	205948	205948
	white	206014	206012	206018	206018
Marmorock® 24	golden brown	205954	205952	205958	205958
	white	206024	206022	206028	206028

Super hard stone, type 4

Marmorock® Speed Natural material

A special short setting super hard stone for carrying out urgent repairs and urgent works where a high compressive strength, low expansion and thixotropic properties are desired. Due to its quick setting time the gypsum model can be removed after 10-15 minutes and further work complete on it.

Recommendation: **implant models, saw-cut models, master models, repairs**



Japan-Stone Synthetic material

An exceptional super hard stone of type 4 with low setting expansion, high accuracy of fit, an enormous hardness, special fluidity and a smooth and resistant surface.

Recommendation: **implant models, saw-cut models, master models**



Neo Stone Synthetic material

A super hard stone of type 4 made of mineral raw material and synthetic additives. It is characterized by its low expansion and high edge resistance. This gypsum is ideally suited for stump and saw casts and guarantees constant processing and setting properties.

Recommendation: **master models, control models, working and checkbite casts, orthodontics, very white show models.**



Super hard stone, type 4	Marmorock® Speed	Japan-Stone	Neo Stone
Colour	golden brown	golden brown, white	pink, super white
Water-Powder-ratio	20 : 100	20 : 100	23 : 100
Working time in minutes	3-4	5-6	5-6
Setting time in minutes	5-6	10-12	10-12
Setting expansion %	0.09	0.09	0.10
Compressive strength, after 1 hour	65 MPa	60 MPa	45 MPa
Compressive strength, dry	90 MPa	85 MPa	75 MPa
Packing	25 kg; 10 kg; 4 x 5 kg; 5 kg	25 kg; 4 x 5 kg; 5 kg	25 kg; 4 x 5 kg; 5 kg

Product	Colour	25 kg bag REF	25 kg carton REF	4 x 5 kg bags REF	5 kg bag REF
Marmorock® Speed	golden brown	206104	206109	206101	206100
Japan-Stone	golden brown	200184	200189	200188	200180
	white	200174	200179	200178	200170
Neo Stone	pink	200884	200882	200888	200880
	super white	208834	208832	208838	208830

Super hard stone, type 4



Die Stone Natural material

For stump casts, crowns and bridges, high accuracy of fit as a result of low setting expansion, very smooth and hard surface.

Recommendation: **saw-cut models, master models**



Excalibur Natural material

This material is excellently suitable for precision works. Its high degree of hardness provides good trimability and the outstanding scratch and pressure resistance are ideal for the production of crowns, bridges and partial dentures.

Recommendation: **saw-cut models, master models**

Super hard stone, type 4	Die Stone	Excalibur
Colour	peach	golden brown, green, white
Water-Powder-ratio	22 : 100	22 : 100
Working time in minutes	6-7	7-8
Setting time in minutes	10-13	11-13
Setting expansion %	0.07	0.09
Compressive strength, after 1 hour	52 MPa	54 MPa
Compressive strength, dry	75 MPa	80 MPa
Packing	22,7 kg	25 kg; 4 x 5 kg; 5 kg

Product	Colour	25 kg bag REF	25 kg carton REF	4 x 5 kg bags REF	5 kg bag REF
Die Stone	peach	-	22,7 kg 200475	-	-
Excalibur	golden brown	204554	204559	204558	204550
	green	204544	204549	204548	204541
	white	204534	204539	204538	204531

Super hard stone, type 4

Base Stone

For the setting of dental coroneae, pre-walls, reamed sockets, and the fixing of inner linings and orthodontic models. With this setting base stone, the expansion properties are adjusted to suit type 4 super hard stone, tension-free models and the accurate introduction of pins.

Recommendation: **sockets for master models if using dowel pins, pin systems.**



Base Stone FL

An extremely fine-flowing super hard stone for basing models without using a vibrator. The powder-water-mixture can be directly poured out of the mixing bowl into the base former.

Recommendation: **sockets for master models if using dowel pins, pin systems.**



CAM-Stone N

Special stone for scanning systems

CAM-Stone N has been developed for opto-electronic scanning. It prevents interfering reflections in the defined wave-lengths. By using CAM-Stone N the coating of the gypsum model is not necessary. The short setting time allows a fast chairside treatment.

Recommendation: **implant models, saw-cut models, master models, scannable**



Super hard stone, type 4	Base Stone	Base Stone FL	CAM-Stone N
Colour	pink, white	green, blue, white, deep blue, terracotta	ivory
Water-Powder-ratio	25 : 100	23 : 100	20 : 100
Working time in minutes	3	5-6	4
Setting time in minutes	6-8	10-12	7-9
Setting expansion %	0.06	0.06	0.06
Compressive strength, after 1 hour	40 MPa	50 MPa	60 MPa
Compressive strength, dry	65 MPa	70 MPa	90 MPa
Packing	25 kg; 4 x 5 kg; 5 kg	25 kg; 4 x 5 kg; 5 kg	25 kg; 4 x 5 kg; 5 kg

Product	Colour	25 kg bag REF	25 kg carton REF	4 x 5 kg bags REF	5 kg bag REF
Base Stone	pink	209884	209889	209881	209882
	white	209834	209839	209831	209832
Base Stone FL	green	209864	209869	209861	209860
	blue	209854	209859	209851	209850
	white	209844	209849	209841	209840
	deep blue	229854	229859	229851	229850
	terracotta	298604	298605	298601	298600
CAM-Stone N	ivory	205124	205129	205121	205120

Super hard stone, type 5



Die Keen® Natural material

A very hard but not brittle super hard stone. Ideally suitable for demanding prosthetic work (crowns and bridges, model castings etc). High accuracy of fit, suitable for all impression materials. An extra fine grain ensures a very smooth surface. Standard colour green, also available in golden brown.

Recommendation: **saw-cut models, master models, control models**



MarmoDie Natural material

Because of the high compressive strength and the good scratch resistance it's perfect for many requirements. It's high expansion compensates for the contraction of other materials.

Recommendation: **saw-cut models, master models, control models**



Marmorock® E Natural material

A fine flowing thixotropic super hard stone, which offers extraordinary hardness made of high purity natural stone. Its high expansion compensates for the contraction of other material. Marmorock E has a high scratch and fracture resistance and is especially suitable for first class prothesis.

Recommendation: **saw-cut models, master models, control models**

Super hard stone, type 5	Die Keen®	MarmoDie	Marmorock® E
Colour	green	green, golden brown	golden brown
Water-Powder-ratio	21 : 100	21 : 100	20 : 100
Working time in minutes	6-7	6-7	6-7
Setting time in minutes	10-13	10-13	12-14
Setting expansion %	0.18	0.20	0.25
Compressive strength, after 1 hour	40 MPa	45 MPa	60 MPa
Compressive strength, dry	80 MPa	90 MPa	90 MPa
Packing	22,7 kg	22,7 kg	25 kg; 4 x 5 kg; 5 kg

Product	Colour	25 kg bag REF	25 kg carton REF	4 x 5 kg bags REF	5 kg bag REF
Die Keen®	green	-	22,7 kg 200469	-	-
MarmoDie	green	-	22,7 kg 204316	-	-
	golden brown	-	22,7 kg 200436	-	-
Marmorock® E	golden brown	200614	200619	200611	200610

Gypsum accessories

Rapidex Setting accelerator

A tried and tested setting accelerator for all conventional types of gypsum.

1 kg can	REF 200404
5 kg bucket	REF 200400



GipEx Gypsum dissolving agent

For the removal of residual gypsum from prostheses, artificial resin crown etc.. Non-acid and ideal for use in ultrasonic equipment. Solution ready for use.

1.000 ml bottle	REF 207401
5.000 ml canister	REF 207402



GipEx Tabs

GipEx Tabs High reactive binder for dental gypsum and phosphate bound investments in the gypsum separator. Prevents waste pipe blockage, reduces unpleasant smells and facilitates separator cleaning.

2 pieces (test set)	REF 207410
10 pieces	REF 207411
25 pieces	REF 207412



Marmosep G Gypsum/Gypsum separating agent

A specially developed gypsum/gypsum separating agent for use with Base stone FL. Marmosep G dries quickly, seals the surface effectively and does not create a greasy film. Application: Spray the gypsum model at a distance of approx. 20 cm and allow to dry. Do not allow „puddles“ to build up!

250 ml spray bottle	REF 207335
1.000 ml refill bottle	REF 207331



Marmosep K Gypsum against acrylics

Alginate based insulating agent for hot and cold polymerisates, for gypsum casts using acrylics. Its thin and smooth coat is resistant against scratching and insulates reliably.

1.000 ml bottle	REF 200731
5.000 ml canister	REF 200732



Gypsum accessories



Gisan Gypsum against wax

For sealing of model surfaces. Gisan does not lose its separating capability even at extremely high temperatures.

30 ml glass bottle REF 207320
1.000 ml refill bottle REF 207321



Algidur-Liquid Alginate neutralizer

Neutralizer and disinfectant agent for alginate impressions, prevents emission of alginic acid and thus produces smooth gypsum casts. Algidur-Liquid can be used for all kinds of alginates.

250 ml spray bottle REF 200740
1.000 ml refill bottle REF 200741
5.000 ml canister REF 200742



Gypsum Gloss Impregnation for gypsum models

An environmentally impregnation for all gypsum models. The gypsum models get thru the gloss bath a moisture-, fat- and dust repellent and a shiny surface as well.

4.500 ml REF 603151



Gypsum Knife according to Gritmann

Wooden handle and flask opener. 17 cm.

REF 200792



Mixing Spatula

For gypsum, resins and cements. Wooden handle. 21.5 cm.

REF 200793



Measuring Cylinder

Filling volumen 100 ml, made from clear and break stable plastic (PMP), graded.

REF 200791



Aluminium gypsum scoop

For gypsum and investments, size: 210 mm for approx. 160 g powder

REF 200795

Duplicating technique

The SILADENT flaskless duplicating

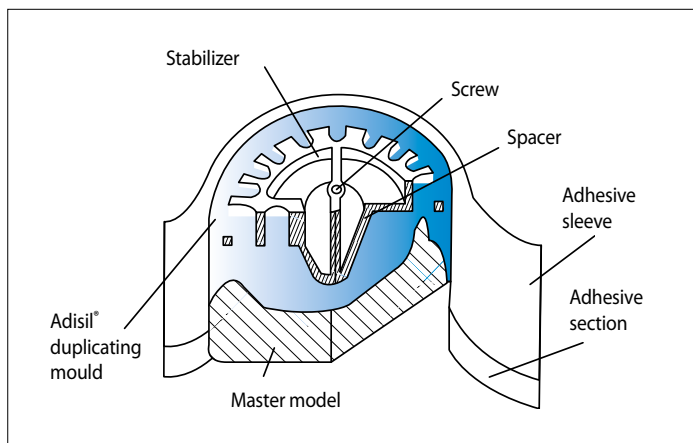
In dental technology, duplicating models for chrome-cobalt has always involved using flasks in a variety of shapes and sizes. When using the SILADENT system, flasks are no longer required.

In the early 1980's SILADENT introduced a new group of materials to dental technology by developing and formulating silicones which are suitable as alternatives to agar agar-based duplicating gels for duplicating models used in dental technology. This new method of duplicating using silicone was the basis for further innovative developments - especially in materials and technical methods - and has led to the current well-known flaskless SILADENT technique.

For further information about the SILADENT flaskless duplicating technique refer to our handbook for the partial denture frameworks (REF 902005) which may be obtained from our sales representative or direct from the SILADENT technical department.



Model with adhesive duplicating tape ready for duplicating



The SILADENT flaskless duplicating system



Cross-section of a flaskless duplicating mould



Fixation device for flaskless duplication

Duplicating silicones



Technical data:

(DIN EN ISO 14356, type 2 - irreversible duplicating material)

Mixing ratio:	9 : 1
Mixing under vacuum:	40 sec.
Working time at 23°C:	approx. 6 min.
Curing time at 23°C:	approx. 30 min.
Tensile strength:	approx. 4,7 MPa
Elongation at break:	approx. 365%
Tear strength:	approx. 24 N/mm
Shore A hardness:	> 24
Colour:	blue

Adisil® blue 9 : 1

Addition-curing duplicating silicone for the highest standards. The duplicating silicone for the first flask-less SILADENT system (adhesive tape technique).

- Highly accurate reproduction to within 1/1000 mm
- No shrinkage
- No deterioration
- Excellent tensile strength and tear resistance properties and values
- Virtually no limit to the number of times the duplicating mould can be poured

1 kg	Components A + B	REF 101001
4 kg	Components A + B	REF 101004
6 kg	Components A + B	REF 101007
30 kg	Components A + B	REF 101010



Technical data:

(DIN EN ISO 14356, type 2 - irreversible duplicating material)

Mixing ratio:	1 : 1
Mixing under vacuum:	40 sec.
Working time at 23°C:	> 5 min.
Curing time at 23°C:	30 - 45 min.
Tensile strength:	approx. 2,2 MPa
Elongation at break:	approx. 310%
Tear strength:	> 6,5 N/mm
Shore A hardness:	> 24
Colour:	pink

Adisil® pink 1 : 1

A high-quality addition-curing duplicating silicone with all the prerequisites for the adhesive tape and flasking techniques.

- Easy and economical measuring
- Suitable for dispensers
- Ideal low viscosity

2 x 1 kg	Components A + B	REF 101201
2 x 6 kg	Components A + B	REF 101204
2 x 25 kg	Components A + B	REF 101207

Duplicating silicones

Hydrosil 1 : 1

A new type of addition-curing duplicating silicone. For the first time ever, specially formulated with hydrophilic properties. Its excellent physical properties meet all requirements for use with the proven flaskless SILADENT duplicating system.

- Wetting agents no longer required
- No unwanted reactions within the material chain
- Smoother model surfaces without using wetting agents

2 x 1 kg Components A + B	REF 101301
2 x 6 kg Components A + B	REF 101304
2 x 25 kg Components A + B	REF 101307



Technical data:

(DIN EN ISO 14356, type 2 - irreversible duplicating material)

Mixing ratio:	1 : 1
Mixing under vacuum:	40 sec.
Working time at 23°C:	4 - 5 min.
Curing time at 23°C:	approx. 30 min.
Tensile strength:	approx. 2,6 MPa
Elongation at break:	approx. 400 %
Tear strength:	approx. 7,0 N/mm
Shore A hardness:	22 - 24
Colour:	green

Kontursil 1 : 1

Addition-curing duplicating silicone. Recommended for use in when duplicating with conventional flasks.

- High reproduction of detail graphic accuracy
- Provides for easy model removal due to greater flexibility
- May be mixed with a dispenser

2 x 1 kg Components A + B	REF 101401
2 x 6 kg Components A + B	REF 101404
2 x 25 kg Components A + B	REF 101407



Technical data:

(DIN EN ISO 14356, type 2 - irreversible duplicating material)

Mixing ratio:	1 : 1
Mixing under vacuum:	40 sec.
Working time at 23°C:	> 5 min.
Curing time at 23°C:	30 - 45 min.
Tensile strength:	approx. 1,8 MPa
Elongation at break:	approx. 220 %
Tear strength:	approx. 3,0 N/mm
Shore A hardness:	16 - 18
Colour:	turquoise

Duplicating silicones / Duplicating gel



Technical data:

(DIN EN ISO 14356, type 2 - irreversible duplicating material)

Mixing ratio:	1 : 1
Mixing under vacuum:	40 sec.
Working time at 23°C:	3 - 4 min.
Curing time at 23°C:	10 min.
Tensile strength:	approx. 2,2 MPa
Elongation at break:	approx. 310%
Tear strength:	> 6,5 N/mm
Shore A hardness:	24
Colour:	yellow

Adisil® rapid 1 : 1

A rapid-curing, addition-curing duplicating silicone, developed especially for express jobs using adhesive crepe sleeves or flasks. Remove Adisil® rapid from the duplicating mould after just 10 minutes.

- removable from the duplicating mould after 10 minutes
- suitable for use with dispensing units
- tear/ tear growth resistant
- low-viscosity

2 x 1 kg	Components A + B	REF 101231
2 x 6 kg	Components A + B	REF 101234
2 x 25 kg	Components A + B	REF 101237



Technical data:

(DIN EN ISO 14356, type 2 - irreversible duplicating material)

Mixing ratio:	1 : 1
Mixing under vacuum:	40 sec.
Working time at 23°C:	approx. 4 min.
Curing time at 23°C:	approx. 30 min.
Tensile strength:	approx. 2,5 MPa
Elongation at break:	approx. 200%
Tear strength:	approx. 7,0 N/mm
Shore A hardness:	18 - 20

Adisil® transparent 1 : 1

Transparent addition-curing duplicating silicone. Mixing ratio 1 : 1. The physical properties of the earlier product have been improved and the newly developed product is now available.

- Suitable for duplicating single dies and also for the SILADENT duplicating system
- Light-curing composites with a wavelength between 300 and 500 nanometers may be polymerized through the silicone
- Specific uses in prosthetics
- Not suitable for use with dispensers

2 x 1 kg	Components A + B	REF 101101
2 x 250 g	Components A + B	REF 101100



Marmogel Duplicating gel, green

An elastic duplicating material for use with gypsum models, gypsum and phosphate bound investments. Marmogel is a reversible hydrocolloid manufactured from high quality, natural ingredients and stabilizing substances.

6 kg	REF 200440
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Duplicating accessories

Dispensing pump

- plastic dispensing pump inclusive lid, suitable for the 6 kg canister for the 1:1 duplicating silicones from SILADENT
- allows an exact weighing of duplicating silicones
- no dipping

Dispensing Pump with lid, 1 piece

REF 101530



Dispenser unit DA 2000, 1 : 1

Allows continuous dispensing of ready-mixed silicone by means of disposable mixer cannulas mixing tips. Inclusive fast-lock with cover for 1 kg bottles (A+B).

DA 2000 includes: 10 mixing tips, fast lock set for 2 x 1 kg ans 2 x 6 kg.

Automatic dispenser unit DA 2000, 1:1

REF 111503

Disposable mixing tips, pack of 100, pink

REF 111505

Fast-lock with cover for 6 kg canister (A+B)

REF 101513



Vacuum mixer VM 2000

Maintenance-free vacuum mixer. Operates without a vacuum pump and is easily connected to the compressed air in the laboratory. Suitable for mixing silicone, dental stones and investment materials. May be wall-mounted or free-standing.

1 Vacuum mixer VM 2000 including 450 ml mixing bowl

REF 101522



Mixing bowl for the vacuum mixer

VM 2000 in three sizes (also usable for VM 1000)

Small 250 ml (135 ml max. capacity) REF 101508

Medium 450 ml (270 ml max. capacity) REF 101509

Large 950 ml (680 ml max. capacity) REF 101510



Stand for vacuum mixer VM 2000

Device for assembling the SILADENT vacuum mixer as a free-standing unit. The vacuum mixer is simply placed on and secured with two screws.

Stand for vacuum mixer VM 2000

REF 101523



Duplicating accessories



Surfactants, Debubblizers Neutrasil

A special alcohol-based liquid for reducing the surface tension of silicone. Neutrasil enhances the flow properties of the investment and facilitates the fabrication of perfect duplicating models.

Not suitable for alginates, hydrocolloids and polyethers!

250 ml Neutrasil pump spray bottle REF 101603
1.000 ml Neutrasil refill REF 101604



Neutralit

A universal liquid for neutralising and wetting silicone, wax, metal and plastic surfaces. Neutralit does not form a film and is compatible with all silicone-based impression and duplicating materials.

Not suitable for alginates, hydrocolloids and polyethers!

250 ml Neutralit pump spray bottle REF 101601
1.000 ml Neutralit refill REF 101602



Gipsil

Surfactant based debubblizer specially for pouring bubblefree gypsum models in silicone and polyether impressions.

250 ml Gipsil pump spray bottle REF 101605
1.000 ml Gipsil refill REF 101606



Pump spray bottle

For spraying Neutrasil, Neutralit, Gipsil surfactants (propellant-free).

250 ml Pump spray bottle REF 101607



Fixation device

Device for positioning the stabilizer when using the SILADENT flaskless duplicating procedure.

1 Fixation device REF 101701

Duplicating accessories

Duplicating cross

Device for flaskless duplication without the fixation device. A practical accessory when the duplicating material is to be vulcanised cured under pressure.

1 Duplicating cross REF 101702



Stabilizer, white

For stabilizing the silicone mould when using the SILADENT flaskless duplicating procedure. Supplied in four sizes.

Size	1	57 x 44 mm	REF 101703
	2	62 x 48 mm	REF 101704
	3	66 x 55 mm	REF 101705
	4	72 x 60 mm	REF 101706



Adhesive duplicating tape

Duplicating ring material for the flaskless SILADENT duplicating procedure.

40 m Adhesive duplicating tape REF 101707

Adhesive duplicating tape

with space-maintaining adhesive surface.

Adhesive tape with a thicker adhesive strip to allow for more space between the model and duplicating silicone.

25 m Adhesive duplicating tape with space-maintaining adhesive surface REF 101708



Economical duplicating flasks, blue

Plastic duplicating flask with 3 sections for cost saving, problem-free duplicating with Kontursil. Consists of a flask base, flask ring and stabilizer. Supplied in two sizes.

Flask complete, size 1 REF 101709

Flask complete, size 2 REF 101713

Flask base single, size 1 (68 x 84 mm) REF 101710

Flask base single, size 2 (73 x 91 mm) REF 101714

Flask ring single, size 1 (68 x 84 mm) REF 101711

Flask ring single, size 2 (73 x 91 mm) REF 101715

Stabilizer with retention retainers, single, size 1 REF 101712

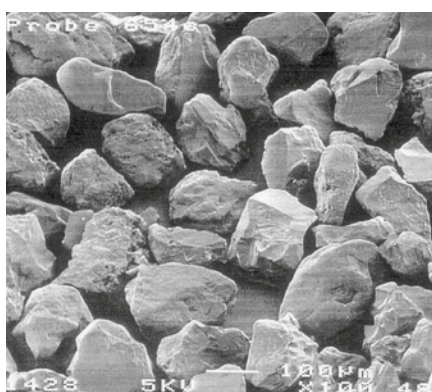
Stabilizer with retention retainers, single, size 2 REF 101716



Investments



The plough-share mixer mixes the components efficiently and swiftly.



Quartz, the main component, magnified one hundred times by a raster electron microscope.

SILADENT investments

Essential components of the **SILADENT** technique are phosphate-bonded investments, specifically developed for casting all types of dental alloys, are essential components of the **SILADENT** technique. **SILADENT** investments, cover all applications, from fine-particle for use when casting CrCo partial frameworks or fine to ultra-fine for crown and bridge cases, including speed technique or for conventional burnout with different temperature hold-stages or for both. Since the eighties **SILADENT** develops phosphate-bonded precision investments. Top priority has always been given to the requirements of dental technicians in their often hectic, work day. The result of this development is an established technique that has been copied many times.

In our ultra-modern mixing plants we manufacture our investments in mixing units for loading the blast furnaces batches. Our manufacturing process is based on high-quality raw materials and a balanced composition, ensuring long-term consistent product quality. Comprehensive production control and accurate documentation help us guarantee reliable results and consistently high precision of fit and surface quality. Not only the technical specifications but also the technical application of every production load batch are precisely controlled. This offers us and our customers complete confidence when using our investments. We command high standards from the all test results and manufacture only consistently high-quality product demanded by our customers' requirements.

Investments for crown and bridge cases:

Silavest® Evolution

A phosphate-bonded, graphite-free speed cast investment with exceptional properties for the crown and bridge technique. Silavest® Evolution is especially developed for casting BÄR-LIGHT® (selection GmbH -dental-) with a reduced preheating temperature of only 700 °C und a shortened holding time in the preheating furnace (approx. 30 minutes). Silavest® Evolution is also usable for other non-precious alloys.

5 kg (32 x 160 g sachets)

REF 121921

Silavest® Evolution should be used with **SILADENT liquid type 100**.



TeleVest - special investment

Dust reduced, phosphate-bonded and non-graphite precision investment material developed specifically for speed preheating when casting telescopic crowns. For use when casting all types of telescopic crown and with the **SILADENT TeleRing** technique. Can be used with all types of dental casting alloy (except titanium).

5 kg carton (32 x 160 g sachets)

REF 103701

TeleVest should be used with **SILADENT liquid type 100!**

Silavest® Press - for pressable ceramics

A phosphate bonded, graphite free precision investment especially developed for all pressable ceramic systems in the speed casting technique. Silavest® Press can be used for the press to metal and press to zirconium system. This super fine investment guarantees a perfect fitting and very smooth surface.

- produces only very thin reaction layers, therefore it's recommended for pressing all kinds of lithium disilicate ceramics.
- excellent expansion control
- super fine powder, very creamy consistency and working properties
- the well-balanced grading curve guarantees very smooth surfaces of the ceramics
- fast preheating saves time

5 kg carton (50 x 100 g) REF 102003

Silavest® Press should be used with SILADENT **liquid type 100!**



Silavest® Gold - for all precious alloys

A super fine, phosphate bonded, graphite free precision investment for the crown and bridge technique especially developed for precious alloys in the speed casting technique. The expansion can be regulated precisely with a perfect fitting and a very smooth surface of the casted alloy in the crown and bridge technique and the double crown technique as well.

- super fine powder, very creamy consistency
- for the speed casting and conventional casting technique
- usable for the ringless casting system
- easy divesting
- super fine surface of the casted alloys

5 kg carton (32 x 160 g) REF 101921

20 kg carton (125 x 160 g) REF 101922

Silavest® Gold should be used with SILADENT **liquid type 100!**



Premium - universal investment

Phosphate-bonded, graphite-free precision investment with a variety of uses and exceptional properties. For fast or conventional burnout. Suitable for crown and bridge cases and combi techniques as well as pressable ceramic systems.

- Universal application
- Expansion precisely regulated by using varying the liquid concentration
- Very smooth casting surfaces with an excellent and reproducible fit
- Well-proven for pressable ceramics
- Suitable for all dental alloys (except titanium!)
- Easy storage and better value because of its universal range of applications.

5 kg carton (32 x 160 g sachets) REF 101801

20 kg carton (125 x 160 g sachets) REF 101802

20 kg carton (4 x 5 kg aluminium bags) REF 101803

12 kg carton (200 x 60 g sachets) REF 101814

Premium should be used with SILADENT **liquid type 100!**



Investments



Presto Vest II - speed investment

The logical further development of the predecessor product Presto Vest. Presto Vest II is a phosphate-bonded, special speed investment with a ultrafine corn size for crown and bridge work.

- Sufficient expansion even for CrCo alloys
- Excellent surfaces smoothness due to ultra-fine particles
- Fast preheating saves time
- Effortless deinvesting
- May be used with conventional rings or ringless. Expansion is unrestricted when ringless methods are utilized.
- Excellent fit both with precious or non-precious alloys as well as palladium-based alloys
- Ideal flow properties
- Sufficient working time

5 kg carton (32 x 160 g sachets) REF 101911

20 kg carton (125 x 160 g sachets) REF 101912

Presto Vest II should be used with SILADENT **liquid type 100!**

Investments for CrCo:

JET 2000

Precision investment for the CrCo rapid burnout procedure. JET 2000 can be placed in a furnace preheated to 1.050°C, thus solving problems of deadlines in the CrCo department. This investment is used whenever precision casting is required within time imposed deadlines.

- Precisely regulated expansion ensures excellent fit.
- Consistant quality castings with high precision in detail reproduction and surface smoothness.
- It's excellent flow properties makes investing easier and helps to prevent unwanted air bubbles.
- Easy divesting saves unnecessary labor and warpage.

5 kg carton (28 x 180 g sachets) REF 102101

20 kg carton (112 x 180 g sachets) REF 102102

20 kg carton (50 x 400 g sachets) REF 102103

20 kg carton (4 x 5 kg aluminium bags) REF 102104

JET 2000 should be used with SILADENT **liquid type 100!**



Micro

A fine, phosphate-bonded, graphite-free precision investment. Micro is suitable for use as a CrCo investment and also used successfully in for crown and bridgework technique. As with Granisit®, expansion is regulated by using liquid types 100 or 140 liquids.

- A super-fine particle size ensures exact reproduction of detail and very smooth casting surfaces
- Expansion is precisely regulated by varying the concentration of the liquid
- Excellent flow properties

5 kg carton (28 x 180 g sachets) REF 102201

20 kg carton (112 x 180 g sachets) REF 102202

20 kg carton (50 x 400 g sachets) REF 102203

20 kg carton (4 x 5 kg aluminium bags) REF 102204



Granisit®

Granisit® has been relied upon as the classic SILADENT CrCo investment for precision fit and smooth surface. Phosphate-bonded, graphite-free precision investment.

- Suitable for all precious, semi-precious and CrCo alloys
- The amount of expansion may be precisely regulated by varying the concentration of the expansion liquid
- Expansion is regulated using type 100 liquid. When investing CrCo telescopic crowns use type 140 liquid
- High marginal stability and reproduction of detail graphic accuracy
- Very smooth casting surfaces and excellent reproduction of details.

5 kg carton (28 x 180 g sachets)	REF 102301
20 kg carton (112 x 180 g sachets)	REF 102302
20 kg carton (50 x 400 g sachets)	REF 102303
20 kg carton (4 x 5 kg aluminium bags)	REF 102304



Granisit® XF Speed

GRANISIT® XF Speed is a phosphate bonded, graphite free and very fine grain precision investment for partial denture frameworks. It is usable for the conventional and speed casting technique and is suitable for casting all types of dental alloys.

- super fine grain size, creamy consistency
- perfect fitting, very smooth casting surfaces, excellent reproduction of details
- easy divesting

5 kg carton (28 x 180 g sachets)	REF 102310
20 kg carton (112 x 180 g sachets)	REF 102311
20 kg carton (50 x 400 g sachets)	REF 102312

Granisit® XF Speed should be used with SILADENT **liquid type 100!**



Granisit® RPS

A super fine phosphate bonded, graphite free precision investment for the production of partial denture frameworks. Granisit® RPS is developed especially for the casting of printed (rapid prototyping) and milled wax & resin parts.

- super fine corn size, creamy consistency
- perfect fitting, very smooth casting surface
- easy to divest

20 kg carton (50 x 400 g sachets)	REF 102332
20 kg carton (4 x 5 kg aluminium bags)	REF 102334

Granisit® RPS should be used with SILADENT **liquid type 100!**



Investments

Gypsum bound investments:

Marmovest G

Speed casting investment for crown and bridge

Gypsum-bounded and graphite-free precision investment for precious metals and low-melting alloys. Expansion can be regulated by the ratio of water used. Fine-grained. High degree of accuracy and surface quality. Can be put into a preheated furnace.

5 kg bag
20 kg carton (4 x 5 kg bags)

REF 202501
REF 202505



Vesto Soldering compound

Many years of experience made this investment compound an absolute high-quality material. Embedded workpieces are not influenced, neither by expansion nor by contraction of the investment compound. Especially suitable for the soldering of secondary parts on model cast prostheses and of repairs. Vesto has an extremely high heat resistance and can be processed immediately using a large flame.

5 kg paper bag
25 kg paper bag

REF 200270
REF 200274



LD 1 - Liquid dispenser unit

Water and expansion liquid dispenser unit for the use of investments and gypsum.

- 15 memory spaces for programs of different investments
- eliminates handling mistakes with the liquid and water ratio
- exact control of the expansion
- constant and reproduceable casting results



LD1 - Liquid dispenser unit

REF 264000

Expansion liquid, type 100

Standard expansion liquid for Granisit®, Micro, JET 2000, Granisit® XF Speed, Granisit® RPS, Presto Vest II, Premium, Silavest® Press, Silavest® Gold, TeleVest, Silavest® Evolution.

1 litre bottle

REF 102401

3 litre canister

REF 102402

10 litre canister

REF 102422

25 litre canister

REF 102403



opener for 3 litre canister expansion liquid type 100 (red canister)

REF 50300



Expansion liquid, type 140

Special liquid contains a higher proportion of silica solution and other particles for higher expansion values. Type 140 is the standard liquid when fabricating CrCo telescopic work and also for other phosphate-bonded investments.

1 litre bottle

REF 102404

3 litre canister

REF 102405

10 litre canister

REF 102425

25 litre canister

REF 102406



Liquid dispensing bottle

Premixed expansion liquid may be measured out exactly according to requirements using the measuring syringe in conjunction with liquid dispensing bottle.

- No further premixing required before each investing
- Allows more exact measurement of the different liquid concentrations

1000 ml liquid dispensing bottle with a special cap for the measuring syringe

REF 102407



Measuring syringe

Measuring syringe for dispensing expansion liquid and small amounts of Adisil® blue hardener.

Measuring syringe 50 ml

REF 102408



Investments accessories



Auxiliary Thermostat

Fixture for the refrigerator. This thermostat regulates the temperature of any refrigerator from 5 °C - 30 °C to. This allows investments and liquid to be stored at the recommended working temperature of 17 °C - 19 °C.

Auxiliary Thermostat

REF 102409



Wax adhesive

Residue-free adhesive for use with preformed wax patterns on unhardened SILADENT CrCo investment duplicate models. The wax adhesive should be applied thinly to ensure retention of the patterns on the duplicate model.

30 ml

REF 102501

100 ml

REF 102502

100 ml thinner for adhesive

REF 102505



Premium wax adhesive

Same as normal wax adhesive but with a special consistency for duplicate models poured with Premium investment.

30 ml

REF 102503

100 ml

REF 102504

100 ml thinner for adhesive

REF 102505



Disposable ring tape

Adhesive disposable ring tape for use when investing CrCo.

Advantages compared to conventional casting rings:

- The surface area of the investment mould's outer surface is increased considerably due to the corrugated effect of the ring material
- This increases the amount of heat absorbed during burnout
- The diameter of the mould is no greater than that of the duplicate model
- This saves investment and space within the furnace.

25 m Disposable ring tape

REF 102601



Sprue formers

Made from flexible injection-molded plastic for multiple use as a sprue-former in CrCo rings.

Pack of 100

REF 112602

All SILADENT investments may be used without metal rings. SILADENT silicone sleeves with plastic base plates are an economical alternative to metal rings and rubber bases. Using this method, the wax pattern is affixed to the plastic base plate with a sprue in the usual way. The silicone sleeve is placed over this and the wax pattern invested using the normal procedure. The base plate and silicone sleeve are removed prior to placing the ring in either a hot or cold furnace. With proper care, these accessories may be reused indefinitely.

- Heat treatment of metal rings is no longer required
- Ring liners are no longer required
- Divesting is much easier
- Considerable savings in time and material cost
- Allows overall uniform expansion of the investment
- The outer wall of the mould has a greater surface area due to the corrugated inner surface of the silicone sleeve
- Heat is absorbed faster, shortening the preheating procedure and allowing casting to be carried out sooner.



Silicone sleeves, round

for economic, direct investing with the model base plate for crown and bridge work.

- Vertical groove structure on the inside of the ring increases the surface area.
- Setting expansion is not affected, ensuring an optimum fit of the casting.
- Use of a silicone sleeve ensures a more uniform heat uptake and controlled cooling of the mould.

Round silicone sleeves

Size 3	Ø inner: 45 mm	REF 102609
Size 6	Ø inner: 62 mm	REF 102610
Size 9	Ø inner: 75 mm	REF 102611



Base plates, round

Sprue formers are supplied with these silicone sleeves in sizes 3, 6 and 9.

Round base plates with sprue former, white

Size 3	REF 102612
Size 6	REF 102613
Size 9	REF 102614



Investments accessories



Silicone sleeves, model form

For economic, direct investing with the model-shaped base plate. Also usable for the crowns and bridge technique.

- Vertical groove structure on the inside of the ring increases the surface area.
- Setting expansion is not affected, ensuring an optimum fit of the casting.
- Use of a silicone sleeve ensures a more uniform heat uptake and controlled cooling of the mould.
- The whole span of the pattern can be placed at the same distance from the mould wall, optimising the fit of the casting.

Model-shaped silicone sleeve

Size	0	Ø 70 x 55 mm	REF 102617
	1	Ø 75 x 60 mm	REF 102603
	2	Ø 80 x 65 mm	REF 102604
	3	Ø 90 x 75 mm	REF 102605



Model-shaped base plate, white, model form

For CrCo and ringless direct-wax investing with the model-shaped silicone sleeve.

Base plate Model-shaped, without sprue-former

Size	0	Ø 70 x 55 mm	REF 102622
	1	Ø 75 x 60 mm	REF 102606
	2	Ø 80 x 65 mm	REF 102607
	3	Ø 90 x 75 mm	REF 102608



Base plate Model-shaped, with sprue-former

Size	0	Ø 70 x 55 mm	REF 102618
	1	Ø 75 x 60 mm	REF 102619
	2	Ø 80 x 65 mm	REF 102620
	3	Ø 90 x 75 mm	REF 102621



Silicone Sleeves Ceram

For all well known pressable ceramic systems

- The corrugated effect of the muffle surface area will regulate the solidification of the ceramic
- Easy handling

Silicone sleeve ceram 100 (for 100 g) REF 102615

Silicone sleeve ceram 200 (for 200 g) REF 102616

The plastic units illustrated are components of the porcelain system used and are not included in the pack contents.

Plunger Aluoxid

- manufactured from high purity aluminium oxide (>99.8% Al₂O₂)
- reusable many times
- no micro cracks in the sprues
- Suitable for all common pressable ceramic systems

Available in 2 sizes: Ø 12 mm and Ø 13 mm

Plunger Aluoxid, 2 pieces, Ø 12 mm, length 37 mm REF 102660

Plunger Aluoxid, 2 pieces, Ø 13 mm, length 35 mm REF 102661



Disposable Plunger

- No preheating of the plunger necessary
- Easy to handle
- no more time-consuming divesting of reusable plungers
- no micro cracks in the sprues
- suitable for all common pressable ceramic systems

Available in 2 diameters: Ø 12 mm and Ø 13 mm, Content: 50 pieces

Disposable Plunger, Ø 12 mm, 50 pieces REF 102650

Disposable Plunger, Ø 13 mm, 50 pieces REF 102655



Deiberit® modeling pearl wax

A universal pearl wax for the crown and bridge technique.

- because of the homogenous pearl form it guarantees an optimal and economical usage
- burns out without residue
- very low shrinkage

**Deiberit® modeling pearl wax
grey, 100 g can**

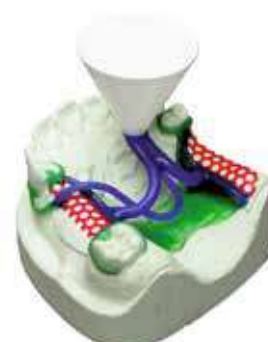
REF 209250



Spools of wax wire

Wax wire is very important in the SILADENT system, it is used as a sprue for the metal and also as a reservoir, venting sprue, cooling fin and pressure release sprue. If used correctly these will improve the quality of the casting.

Further information about this may be obtained from the SILADENT technical brochure.



Investments accessories



Wax wire

On spools, cross-section: round, colour: blue.

- Residue-free burnout
- Malleable, non-brittle

Wax wire	Ø 2,0 mm	250 g	REF 103103
	Ø 2,5 mm	250 g	REF 103106
	Ø 3,0 mm	250 g	REF 103104
	Ø 3,5 mm	250 g	REF 103105
	Ø 4,0 mm	250 g	REF 103107
	Ø 5,0 mm	250 g	REF 103108



Wax profiles

In a plastic box, cross-section: round, length: 135 mm, colour: turquoise.

Wax profiles	Ø 0,8 mm	25 g	REF 103101
	Ø 1,2 mm	50 g	REF 103102



Perawax

Sprues with „pear-shaped reservoirs“ – optimum for preventing contraction cavities in dental castings. These sprues were specifically developed for attaching to large volume patterns such as solid full gold crowns, pontics, one-piece bars and implant superstructures. Perawax sprues are made of special burnout wax, are torsion-resistant and available in three sizes. Colour: red

Perawax	small	Ø 6 mm	250 pcs.	REF 103203
	medium	Ø 7 mm	250 pcs.	REF 103204
	large	Ø 8 mm	200 pcs.	REF 103205
	Set (small, medium, large)			
	with each of 50 pcs.			REF 103299

Perawax NEM

Sprues with a larger head diameter and channel cross section. Especially developed for the casting technique of non precious alloys. Colour: yellow

Perawax NEM	small	Ø 7 mm	150 pcs.	REF 103250
Perawax NEM	medium	Ø 8 mm	150 pcs.	REF 103251
Perawax NEM	large	Ø 9 mm	120 pcs.	REF 103252
Perawax NEM	assortment		210 pcs.	REF 103253

Conofix pint

Quick-drying die spacer for applying to certain areas of inner copings before duplicating. Intended specifically for use with conical and telescopic crown techniques using non-precious alloys and the SILADENT one-piece casting system.

Conofix pint 30 ml REF 103206



Rapid Trimmer ST 100

Pneumatic rapid trimmer – devests all types of investment material and dental gypsum excellently.

- This unit is virtually maintenance-free.
- This compressed air rapid trimmer requires an operating pressure of 5 - 6 bars.
- The higher the air pressure, the higher the power of impact.
- Includes three different chisel heads.

Rapid trimmer ST 100 (incl. 1 set chisel heads, 2 m compressed air hose with coupling nipple) REF 103600
small chisel head, No. 1 (7 mm) REF 103601
medium chisel head, No. 2 (9 mm) REF 103602
large chisel head, No. 3 (11 mm) REF 103603
Compressed air hose (2 m) with coupling nipple REF 103604



Nippers for investments



Breaking resistant plastic handles, stainless steel. No slipping of the hand into the beaks, easy to use, no danger of getting clamped. Length 190 mm.

Nippers for investments REF 103610



TEK-1



Technical data:

(DIN EN ISO 14356 – irreversible duplicating materials)

Mixing ratio:	1 : 1
Mixing under vacuum:	40 seconds
Working time at 23 °C:	> 6 min.
Curing time at 23 °C:	30 - 45 min.
Tensile strength:	approx. 3.0 MPa
Elongation at break:	approx. 360 %
Tear strength:	approx. 5.0 N/mm
Shore A hardness:	12 - 15

TEK-1 SIL

Additional curing duplicating silicone with low hardness Shore A and high tear resistance, without any colour pigments. Especially developed for the TEK-1 system.

- High reproduction of duplicated model
- Models are easy to remove thru the low Shore A hardness
- Suitable for all silicone dispensers

2 x 1 kg	(component A+B)	REF 261001
2 x 6 kg	(component A+B)	REF 261010
2 x 25 kg	(component A+B)	REF 261020



TEK-1 VEST

TEK-1 Vest is a phosphate bonded, graphite-free precision investment for TEK-1 onepiece-casting and for partial denture framework in the speed casting technique.

- super fine corn size, creamy consistency
- perfect fitting, very smooth casting surface
- easy to divest

TEK-1 VEST should be used with TEK-1 VEST Liquid!

5 kg TEK-1 VEST carton	(28 x 180 g)	REF 261104
20 kg TEK-1 VEST carton	(112 x 180 g)	REF 261103
20 kg TEK-1 VEST carton	(50 x 400 g)	REF 261101
1.000 ml TEK-1 VEST Liquid		REF 261150
3.000 ml TEK-1 VEST Liquid		REF 261160



TEK-1 LEG

TEK-1 LEG is an universal alloy for all kinds of crown and bridge frameworks. The low hardness allows an easy preparation, milling and polishing. This exceptional alloy is optimal for primary crowns and the secondary constructions according to the SILADENT TEK-1 one-piece-casting technology.

TEK-1 LEG can be used with all standard high-sintering bonding porcelains.

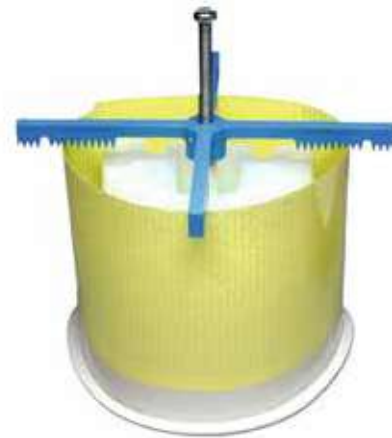
500 g TEK-1 LEG	REF 261200
1.000 g TEK-1 LEG	REF 261210

Please find the technical data on page 49-50.

TEK-1 - the duplicating

The special duplicating technique for the TEK-1 system.

25 m Disposable ring tape (page 37)		REF 102601
Base plate Model-shaped	Gr. 0	REF 102622
(page 39)	Gr. 1	REF 102606
	Gr. 2	REF 102607
	Gr. 3	REF 102608
Duplicating cross (page 30)		REF 101702
Stabilizer, white (page 30)	Gr. 1	REF 101703
	Gr. 2	REF 101704
	Gr. 3	REF 101705
	Gr. 4	REF 101706



Felt points

Mounted felt points for the prepolish of the interior surfaces of the secondary crowns in combination with the TEK-1 POL diamond polishing paste.

Felt points, pack of 10 pieces	REF 261350
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TEK-1 POL

TEK-1 POL guarantees for mirror-finish interior surfaces of the secondary crowns. TEK-1 POL will add with the felt points.

200 g TEK-1 POL can	REF 261340
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Kemp brushes

For the final high polish of the interior surfaces of the secondary crowns in combination with the TEK-1 POL diamond polishing.

Kemp brushes, hard (white), pack of 10 pieces	REF 261310
Kemp brushes, soft (goat hair), pack of 10 pieces	REF 261320



TEK-1



TEK-1 Polisher

Silicone Polishers for the prepolish of the secondary crowns; Colour: brown.

TEK- 1 Polisher, 50 pieces

REF 261353

TEK-1 Mandrel

Mandrels for the use with TEK-1 Polishers, 2,35 mm shank.

TEK-1 mandrels, 10 pieces

REF 261355



TEK-1 WAX

A self-insulating and elastic dipping wax for the production of primary and secondary crowns in the TEK-1 technique.

200 g TEK-1 Wax

REF 261330



TEK-1 starter set*

TEK-1 VEST 20 kg (50 x 400 g); 3.000 ml TEK-1 liquid; 100 g TEK-1 WAX; 2 x 1 kg TEK-1 SIL; 100 g TEK-1 LEG; disposable ring tape; duplicating cross; stabilizers size 3 & 4, 2 of each; base plates, size 2 & 3, one of each; 100 ml measuring cylinder, TEK-1 handbook.

REF 261500

*only available after a TEK-1 training course

Overview of CoCr alloys for removable dentures

Date of information: 11/2017

Modiral® S **Biral 2000 H** **V-Alloy II** **V-Alloy FG**

Area of application:	Non precious alloy based on cobalt for removable dentures acc. DIN EN ISO 22674, type 5.	Non precious alloy based on cobalt for removable dentures acc. DIN EN ISO 22674, type 5.	Non precious alloy based on cobalt for removable dentures acc. DIN EN ISO 22674, type 5.	Non precious alloy based on cobalt for removable dentures acc. DIN EN ISO 22674, type 5.																								
Characteristics:	Modiral® S is a universal alloy for partial denture frame- works with clasps. This universal alloy has an optimized flow- rating. The casted partials are easy to prepare and polish. Modiral® S is very corrosion-resistant and free of beryllium, indium and gallium.	Biral 2000 H is a partial framework alloy especially for combined prosthetics and partials with clasps. The technical properties allow thin constructions with a high stability and strength. Biral 2000 H is very corrosion-resistant and free of beryllium, indium and gallium.	V-Alloy II is a universal alloy for all kinds of partial denture frameworks. This alloy has optimized elastic properties and allows a perfect deformation for the clasps. V-Alloy II is very corrosion-resistant and free of like beryllium, indium, and gallium.	V-Alloy FG is a well-balanced alloy with excellent mechanical properties. V-Alloy FG is perfectly suitable if highest elastic properties are required. The casting-sticks are produced under vacuum and have optimized casting attributes.																								
Composition:	<table border="1"> <tr> <td>Co</td> <td>Cr</td> <td>Mo</td> </tr> <tr> <td>62.0</td> <td>31.0</td> <td>5.0</td> </tr> </table>	Co	Cr	Mo	62.0	31.0	5.0	<table border="1"> <tr> <td>Co</td> <td>Cr</td> <td>Mo</td> </tr> <tr> <td>63.0</td> <td>30.0</td> <td>6.0</td> </tr> </table>	Co	Cr	Mo	63.0	30.0	6.0	<table border="1"> <tr> <td>Co</td> <td>Cr</td> <td>Mo</td> </tr> <tr> <td>64.0</td> <td>29.0</td> <td>6.0</td> </tr> </table>	Co	Cr	Mo	64.0	29.0	6.0	<table border="1"> <tr> <td>Co</td> <td>Cr</td> <td>Mo</td> </tr> <tr> <td>63.0</td> <td>30.0</td> <td>5.0</td> </tr> </table>	Co	Cr	Mo	63.0	30.0	5.0
Co	Cr	Mo																										
62.0	31.0	5.0																										
Co	Cr	Mo																										
63.0	30.0	6.0																										
Co	Cr	Mo																										
64.0	29.0	6.0																										
Co	Cr	Mo																										
63.0	30.0	5.0																										
Other <1%:	Si, C, Mn, Fe	Si, C, Mn, Fe	Si, C, Mn, Fe	Si, Mn, C																								
Packing:	1.000 g REF 102801	1.000 g REF 102802	1.000 g REF 102803	1.000 g REF 128031																								

Overview of CoCr alloys for removable dentures (Technical data according DIN EN ISO 22674, type 5)

Date of information: 11/2017

	Modiral® S	Biral 2000 H	V-Alloy II	V-Alloy FG
Proof stress 0,2 % (MPa)	609	627	579	745
Elongation at rupture (%)	6.2	4,5	6,3	13,0
Modulus of elasticity (GPa)	200	209	211	200
Vickers hardness HV 10	390	377	386	390
Density (g/cm ³)	8,3	8,3	8,4	8,3
Melting range (°C)	1.340 – 1.400	1.363 - 1.422	1.350 – 1.406	1.300 – 1.370
Casting temperature (°C)	1.450	1.460	1.445	1.510
Recommended investment	Granisit®, Micro, Jet 2000, Granisit® XF Speed	Granisit®, Micro, Jet 2000, Granisit® XF Speed	Granisit®, Micro, Jet 2000, Granisit® XF Speed	Granisit®, Micro, Jet 2000, Granisit® XF Speed



Overview of non precious alloys for metal ceramics

Date of information: 11/2017

Keralloy® N

TEK-1 LEG

Keralloy® FG

Keralloy® KB

Area of application:	Non precious casting alloy based on cobalt for metal-ceramic accord. DIN EN ISO 22674, type 5.	Non precious casting alloy based on cobalt for metal-ceramic accord. DIN EN ISO 22674, type 4.	Non precious casting alloy based on cobalt for metal-ceramic accord. DIN EN ISO 22674, type 4.	Non precious casting alloy based on nickel for metal ceramic accord. DIN EN ISO 22674, type 4.																														
Characteristics:	Because of the low vickers hardness Keralloy® KB allows an optimal preparation and polishing. The alloy is very flexible during handling, ideal for crowns and bridges and milling work. It can be bonded with all standard high sintering porcelains. Keralloy® KB is high corrosion-resistant and free of beryllium, indium and gallium.	Keralloy® FG is characterized by its excellent flow properties and easy preparation. Because of the gentle production process, of the cast cubes, its high purity ensures minimum slag formation, an oxidation firing for porcelain bonding is not required. Keralloy® FG can be used with all standard high-sintering bonding porcelains.	TEK-1 LEG is an universal alloy for all kinds of crown and bridge frameworks. The low hardness allows an easy preparation, milling and polishing. This exceptional alloy is optimal for primary crowns and the secondary constructions according to the SILADENT TEK-1 one-piece-casting technology. TEK-1 LEG can be used with all standard high-sintering bonding porcelains.	Keralloy® N is a high corrosion resistant bonding alloy based on nickel. Keralloy® N is applicable for the laser technique and convinces through the low oxidation during the porcelain firings, also after several firing cycles. Keralloy® N can be used with all standard high-sintering bonding porcelains and is free of beryllium, indium and gallium.																														
Composition:	<table border="1"> <tr><td>Co</td><td>Cr</td><td>Mo</td><td>W</td></tr> <tr><td>64.0</td><td>21.0</td><td>6.0</td><td>6.0</td></tr> </table>	Co	Cr	Mo	W	64.0	21.0	6.0	6.0	<table border="1"> <tr><td>Co</td><td>Cr</td><td>Mo</td></tr> <tr><td>63.4</td><td>28.85</td><td>6.1</td></tr> </table>	Co	Cr	Mo	63.4	28.85	6.1	<table border="1"> <tr><td>Co</td><td>Cr</td><td>Mo</td><td>W</td><td>Si</td></tr> <tr><td>61.0</td><td>27.0</td><td>6.0</td><td>5.0</td><td>1.0</td></tr> </table>	Co	Cr	Mo	W	Si	61.0	27.0	6.0	5.0	1.0	<table border="1"> <tr><td>Ni</td><td>Cr</td><td>Mo</td></tr> <tr><td>63.0</td><td>27.0</td><td>8.0</td></tr> </table>	Ni	Cr	Mo	63.0	27.0	8.0
Co	Cr	Mo	W																															
64.0	21.0	6.0	6.0																															
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61.0	27.0	6.0	5.0	1.0																														
Ni	Cr	Mo																																
63.0	27.0	8.0																																
Other <1%:	Si, Fe, Mn	Si, Mn	Mn, C, Fe	Si, Nb																														
Packing:	100 g 250 g 500 g 1.000 g	100 g 250 g 500 g 1.000 g	500 g 1.000 g	1.000 g																														
	REF 102804 REF 128041 REF 102805 REF 128051	REF 128056 REF 128057 REF 128058 REF 128059	REF 261200 REF 261210	REF 128165																														

Overview of non precious alloys for metal ceramics (Technical data according DIN EN ISO 22674)

Date of information: 11/2017

Keralloy® KB**Keralloy® FG****TEK-1 LEG****Keralloy® N**

Proof stress 0,2 % (MPa)	570	577	475	362
Elongation at rupture (%)	10	16	8.0	26.0
Modulus of elasticity (GPa)	194	210	223	191
CTE 25-500 °C	$14.1 \times 10^{-6} \text{ K}^{-1}$	$14.7 \times 10^{-6} \text{ K}^{-1}$	$14.1 \times 10^{-6} \text{ K}^{-1}$	$13.7 \times 10^{-6} \text{ K}^{-1}$
CTE 25-600 °C	$14.6 \times 10^{-6} \text{ K}^{-1}$	-	-	$14.0 \times 10^{-6} \text{ K}^{-1}$
Tensile strength (MPa)	734	830	-	602
Vickers hardness HV 10	286	310	365	180
Density (g/cm ³)	8.8	8.4	8.6	8.3
Melting range (°C)	1.309 – 1.417	1.370 – 1.430	1.350 – 1.385	1.298 – 1.344
Casting temperature (°C)	1.460	1.500	1.485	1.380
Max. oxide firing temperature (°C):	935	1.050	1.050	950
Recommended investments	Silavest Evolution, TeleVest, Presto Vest II	Silavest Evolution, TeleVest, Presto Vest II	TEK-1 Vest	Silavest Evolution, TeleVest, Presto Vest II



Alloy accessories

Special solder

CrCo-based soldering rods for all CrCoMo alloys. The high melting range guarantees that the solder has a high diffusion depth. This produces very strong soldering joints. After soldering, porcelain is easily applied to the nickel-free, special solder.

Melting range: 1.071 - 1.260 °C

CrCoMo Special Solder, 2 mm

20 g (approx. 80 mm x 2 mm incorporating flux) REF 102807

CoCrMo Special Solder, 1 mm

10 g (approx. 80 mm x 1 mm incorporating flux) REF 102878

Melting range: 992 - 1.185°C

CoNiCr Special Solder 1 mm

10 g (approx. 80 mm x 1 mm incorporating flux) REF 102877



Laser welding rods

CrCo-based laser welding rods for biocompatible connections of CrCo castings with laser welding.

- Suitable for CrCo denture framework and bonding alloys
- Easy porcelain application
- Carbon-free

7 rods

each approx. 0.5 g (0.5 mm x 250 mm) REF 102806



Heat4Speed

The system consists of 1 x hydrothermal firing plate, 1 x hot plate UC150, 5 x pins for hydrothermal firing plate (3, 4, 5, 6 and 9 mm).

hot plate UC150

REF 281110

hydrothermal firing plate

REF 281111

Pin Ø 3 mm, H 13 mm

REF 281120

Pin Ø 4 mm, H 13 mm

REF 281121

Pin Ø 5 mm, H 13 mm

REF 281122

Pin Ø 6 mm, H 13 mm

REF 281123

Pin Ø 9 mm, H 13 mm

REF 281124

Starter set Heat4Speed

REF 281100



Silaflex paste

Universal flux for all types of dental soldering. Silaflex paste is ideal for use with all dental alloys and for all types of dental soldering. Due to the special properties of Silaflex paste, only the solder has to be wetted to produce a clean metal solder joint.

5 g

REF 128071



Denture prostheses and accessories



SilaPress®

SilaPress® is the cold-curing all-rounder among all denture base acrylics and especially designed for dental technicians who like to cover all indications with only one product.

Indications:

- Completion of model cast dentures
- partial or total relinings (indirect method)
- Additions and repairs

SilaPress® liquid, 1000 ml, colorless	REF 253000
SilaPress® powder, 1000 g, pink	REF 253010
SilaPress® powder, 1000 g, pink opaque	REF 253011
SilaPress® powder, 1000 g, transparent	REF 253012



SilaPress® Vario

SilaPress® Vario is a cold-curing all-rounder among all denture base acrylics. The expanded processing time of this material allows the dental technicians a most stress-free handling.

Indications:

- Completion of model cast dentures
- partial or total relinings (indirect method)
- Additions and repairs

SilaPress® Vario liquid, 1000 ml, colorless	REF 253100
SilaPress® Vario powder, 1000 g, rosa	REF 253110
SilaPress® Vario powder, 1000 g, pink opaque	REF 253111
SilaPress® Vario powder, 1000 g, transparent	REF 253112



SilaDon

SilaDon is an economic, cadmium-free denture base resin that guarantees high quality results by using any known hot-curing polymerization technique.

Indications:

- Total upper and lower dentures by using the pressing-/packing technique

SilaDon liquid, 1000 ml, colorless	REF 253200
SilaDon powder, 1000 g, rosa	REF 253210
SilaDon powder, 1000 g, rosa opak	REF 253211
SilaDon powder, 1000 g, transparent	REF 253212

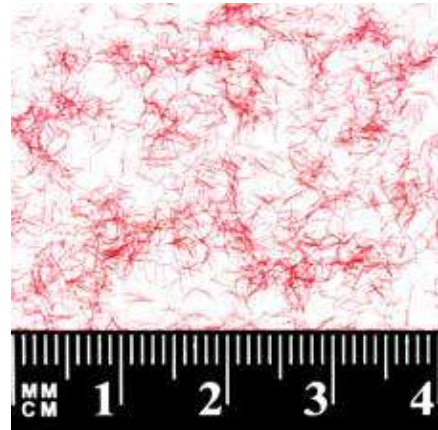
Denture prostheses and accessories

SilaPress® Veins

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

SilaPress® Veins, 5 g

REF 253500



SilaPress® Bonding

Liquid for the perfect bonding of highly vulcanising confection teeth and the auto-polymerising base resin.

SilaPress® Bonding, 20 ml bottle

REF 253501



SilaPress® flask S

Flask for the silicone embedding according to the SilaPress resin pouring system. With a transparent flask-cover, steel bottom with integrated boiling out plate and canal stabber.

SilaPress® flask S

REF 253502



SilaPress® flask G

Two piece flask for the gel embedding according to the SilaPress resin pouring system. With a transparent flask-cover and canal stabber.

SilaPress® flask G

REF 253503



Abrasives



Aluminium Oxide

A quartz free high quality product with high blasting performance as a result of its extreme hardness and the shape of grain. Complies with industrial safety regulations. Other corn sizes are available on request.

250 µm	25 kg paper bag	REF 200294
250 µm	25 kg carton	REF 202911
250 µm	10 kg canister	REF 200296
250 µm	5 kg canister	REF 200292
110 µm	25 kg paper bag	REF 200304
110 µm	25 kg carton	REF 203011
110 µm	10 kg canister	REF 200306
110 µm	5 kg canister	REF 200302
50 µm	25 kg paper bag	REF 200314
50 µm	25 kg carton	REF 203111
50 µm	10 kg canister	REF 200319
50 µm	5 kg canister	REF 200312



Korit Abrasive

Abrasive sandblasting medium consisting of four components. The particles are between 150 and 250 µm.

Suitable for all CrCo and non-precious alloys.

- Exceptionally smooth and clean surfaces
- Extremely long-lasting due to the low blasting pressure of 3-4 bars.

Korit Abrasive	25 kg carton	REF 103202
Korit Abrasive	10 kg canister	REF 103201



Glass Beads

For gentle cleaning and compacting of sensitive surfaces, German silicosis-free material, available in 50 µm and 125 µm.

50 µm	25 kg paper bag	REF 200344
50 µm	25 kg carton	REF 203411
50 µm	10 kg bucket	REF 200343
50 µm	5 kg canister	REF 200342
125 µm	25 kg paper bag	REF 200334
125 µm	25 kg carton	REF 203311
125 µm	10 kg bucket	REF 200333
125 µm	5 kg canister	REF 200332

Pumice Powder

Quarz-free and therefore no risk of silicosis. Our pumice powder shows excellent working properties as a result of its highly abrasive action. It is an untreated and environment-friendly natural product which can be disposed of easily after use.

fine	25 kg paper bag	REF 200354
fine	20 kg carton	REF 200359
fine	4 x 5 kg bags	REF 200351
fine	5 kg bag	REF 200350
medium	25 kg paper bag	REF 200364
medium	20 kg carton	REF 200369
medium	4 x 5 kg bags	REF 200361
medium	5 kg bag	REF 200360
coarse	25 kg paper bag	REF 200374
coarse	20 kg carton	REF 200379
coarse	4 x 5 kg bags	REF 200371
coarse	5 kg bag	REF 200370



Pumice-Sep

- ready to use liquid for pumice powder and Poliresin®
- the liquid reaches a high bactericidal and fungicidal (e.G. Candida albicans) effect
- prevents effective unpleasant odours
- Delays efficiently and permanently dehydration of the polishing material
- Does not contain formaldehyde and is biodegradable

Pumice-Sep, 1.000 ml bottle	REF 203801
Pumice-Sep, 5.000 ml canister	REF 203802



Pumice paste

- ready to use pumice paste for polishing of acrylic dentures
- the liquid reaches a high bactericidal and fungicidal (e.G. Candida albicans) effect
- prevents effective unpleasant odours
- Delays efficiently and permanently dehydration of the polishing material
- Does not contain formaldehyde and is biodegradable

Pumice paste, 25 kg bucket	REF 200386
Pumice paste, 10 kg bucket	REF 200383
Pumice paste, 5 g bucket	REF 200381



Abrasives



Poliresin®

An antibacterial and odourless polishing compound specially developed for the processing of acrylic dentures. While working in the same way as pumice, Poliresin® polishes extremely abrasively and lasts 30 % longer. The unique, crystalline structure of Poliresin® ensures gentle polishing of the acrylic material, which saves a great deal of time in the subsequent high-gloss polish.

2 kg paper bag	REF 200420
box with 4 x 2 kg paper bags	REF 200421
10 kg paper bag	REF 200423
10 kg carton	REF 200424



DOX

For polishing of plastic prosthesis, artificial and mineral teeth. Has to be mixed with water until it is viscous. Easy cleaning - without risk of silicosis.

DOX fine	25 kg paper bag	REF 209114
DOX fine	25 kg carton	REF 209119
DOX fine	4 x 5 kg bags	REF 209111
DOX fine	5 kg bag	REF 209110
DOX medium	25 kg paper bag	REF 200914
DOX medium	25 kg carton	REF 200919
DOX medium	4 x 5 kg bags	REF 200911
DOX medium	5 kg bag	REF 200910



Harz Pumice Mouse

Cleans lab instruments from cement and dirt particles. Abrasive polishing effect of wood, metal, acryl and marble. Carefully removes horned skin ridges, corns and cleans dirty hands. Suitable for removing paint and ink spots from skin areas.

Harz Pumice Mouse	approx. 80 g	REF 200380
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Diamond Polishing Paste D7

Fine-particle diamond polishing paste for polishing dental alloys. Produces a highly-polished high lustre metal surface.

5 ml Diamond Polishing Paste D7 REF 103004



Diamond Polishing Paste D15

This very abrasive diamond polishing paste is suitable for smoothing fitting surfaces in CrCo appliances.

5 ml Diamond Polishing Paste D15 REF 103005

Silapolish fluid

High gloss polishing paste for all dental alloys and acrylics
Polishing paste for a pore-free and high gloss polishing of metal and acrylic surfaces with a high range of applications.

- for acrylic dentures and composites
- for all non-precious (CoCr/NiCr) and all precious alloys
- water soluble and easy to clean from the polished surface

125 ml Silapolish fluid REF 103015



Silapolish paste

Universal polishing paste for all precious metal free dental alloys. For an easy and quick polishing of surfaces made of precious metal free alloys (CoCr/NiCr). Silapolish paste is perfect for an economical use and - because of its good water solubility - for removing rests of polishing paste from objects. Because of the constant grain size it is possible to achieve a homogenous surface removal with a deep polish.

1.34 kg Silapolish paste REF 103013



Diafilz Felt Points

Mounted felt points for applying diamond polishing pastes D7 and D15.

12 Diafilz REF 103003



Abrasives



Conofix emery paper mandrel

These emery paper mandrels with 2.35 mm and 3.00 mm Ø shanks are for trimming telescopic units and conical crowns precisely and rapidly using a milling machine.

2.35 mm shank

Conofix emery paper mandrel, set 0° - 6°	REF 103207
Conofix emery paper mandrel, 0°	REF 103223
Conofix emery paper mandrel, 2°	REF 103224
Conofix emery paper mandrel, 4°	REF 103225
Conofix emery paper mandrel, 6°	REF 103226

3.00 mm shank

Conofix emery paper mandrel, set 0° - 6°	REF 113207
Conofix emery paper mandrel, 0°	REF 103227
Conofix emery paper mandrel, 2°	REF 103228
Conofix emery paper mandrel, 4°	REF 103229
Conofix emery paper mandrel, 6°	REF 103230

Conofix emery paper

Prefabricated, self-adhesive emery paper strips in 3 grit sizes and 4 degrees of taper for fitting to Conofix mandrels.

Conofix emery paper, 0°, 50 x 120 µm pces.	REF 103209
Conofix emery paper, 2°, 50 x 120 µm pces.	REF 103210
Conofix emery paper, 4°, 50 x 120 µm pces.	REF 103211
Conofix emery paper, 6°, 50 x 120 µm pces.	REF 103212
Conofix emery paper, 0°, 50 x 240 µm pces.	REF 103214
Conofix emery paper, 2°, 50 x 240 µm pces.	REF 103215
Conofix emery paper, 4°, 50 x 240 µm pces.	REF 103216
Conofix emery paper, 6°, 50 x 240 µm pces.	REF 103217
Conofix emery paper, 0°, 50 x 600 µm pces.	REF 103219
Conofix emery paper, 2°, 50 x 600 µm pces.	REF 103220
Conofix emery paper, 4°, 50 x 600 µm pces.	REF 103221
Conofix emery paper, 6°, 50 x 600 µm pces.	REF 103222

Polishing sticks

Ideal for polishing the inside of outer telescopic crowns with diamond paste to achieve a mirror finish. Polishing sticks are made of wood and are extremely durable. Format: Ø 3 mm, 9 mm (length)

100 Polishing sticks	REF 103001
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Mandrels

Mandrels for polishing sticks. 2.35 mm shaftshank, for polishing with diamond paste.

12 Mandrels	REF 103002
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Keralloy® BioStar

Keralloy® BioStar is a precious metal free, chromium cobalt-based milling alloy according DIN EN ISO 22674, type 4. Keralloy® BioStar does not contain any beryllium, indium or gallium. Keralloy® BioStar is easy to mill and guarantees a high biocompatibility. This alloy allows to mill thinnest frames. Its molecular structure allows smooth, compact surfaces with less oxide formation. Its thermal expansion coefficient is ideal for every ceramic of the latest generation. With shoulder.

Keralloy® BioStar, Ø 98.5 mm, H 08 mm	REF 128410
Keralloy® BioStar, Ø 98.5 mm, H 10 mm	REF 128411
Keralloy® BioStar, Ø 98.5 mm, H 12 mm	REF 128412
Keralloy® BioStar, Ø 98.5 mm, H 13.5 mm	REF 128413
Keralloy® BioStar, Ø 98.5 mm, H 15 mm	REF 128414
Keralloy® BioStar, Ø 98.5 mm, H 18 mm	REF 128415
Keralloy® BioStar, Ø 98.5 mm, H 20 mm	REF 128416



CoCr BioStar

CoCr BioStar is a precious metal free, chromium cobalt-based alloy for the dental application used in dental milling machines (CAD-CAM). It does not contain any nickel, beryllium or gallium. One of the remarkable features is the high corrosion resistance and biocompatibility. CoCr BioStar is suitable for soldering. Its low hardness allows CoCr BioStar to be easily milled.

CoCr BioStar with shoulder, Ø 98.3 mm, H 08 mm	REF 128200
CoCr BioStar with shoulder Ø 98.3 mm, H 10 mm	REF 128201
CoCr BioStar with shoulder Ø 98.3 mm, H 12 mm	REF 128202
CoCr BioStar with shoulder Ø 98.3 mm, H 13.5 mm	REF 128203
CoCr BioStar with shoulder Ø 98.3 mm, H 15 mm	REF 128204
CoCr BioStar with shoulder Ø 98.3 mm, H 18 mm	REF 128205
CoCr BioStar with shoulder Ø 98.3 mm, H 20 mm	REF 128206
CoCr BioStar with shoulder Ø 98.3 mm, H 24.5 mm	REF 128207



Ceramill Sintron®

A non-precious CoCr sinter metal mainly developed for desktop milling machines. Because of the wax-like texture Ceramill Sintron allows an effortless dry milling process. The labour-intensive and error-prone casting procedure and therefore time-consuming manual working stages are no longer required. The sinter process guarantees maximum process reliability and produces homogeneous, distortion-free frameworks without contraction cavities. Ceramill Sintron can be veneered using any CoCr framework porcelain.

Indications:

- Telescope and conical crowns
- Bars and attachments
- Custom abutments on titanium bases
- Multi-unit, screw-retained restorations on titanium bases
- Anatomically reduced and fully anatomical crown and bridge frameworks in the anterior and posterior region

Ceramill Sintron® with shoulder, Ø 98.5 mm, H 10 mm	REF 128501
Ceramill Sintron® with shoulder, Ø 98.5 mm, H 12 mm	REF 128502
Ceramill Sintron® with shoulder, Ø 98.5 mm, H 14 mm	REF 128503
Ceramill Sintron® with shoulder, Ø 98.5 mm, H 16 mm	REF 128504
Ceramill Sintron® with shoulder, Ø 98.5 mm, H 18 mm	REF 128505
Ceramill Sintron® with shoulder, Ø 98.5 mm, H 20 mm	REF 128506



CAD-CAM



TITAN BioStar - available in grade 2, 4 and 5

TITAN BioStar °2

Biocompatible pure titanium grade 2 milling blank for porcelain fused to metal (PFM) techniques, DIN EN ISO 22674, type 3. Indications range from individual crowns both front and lateral, to bridge frames in frontal and lateral areas with up to three units. Titan BioStar Grade 2 admits easy laser welding and can be fired using all usual porcelain indicated for titanium.

Titan BioStar °2 with shoulder Ø 98.5 mm, H 08 mm	REF 128220
Titan BioStar °2 with shoulder Ø 98.5 mm, H 10 mm	REF 128221
Titan BioStar °2 with shoulder Ø 98.5 mm, H 12 mm	REF 128222
Titan BioStar °2 with shoulder Ø 98.5 mm, H 13.5 mm	REF 128223
Titan BioStar °2 with shoulder Ø 98.5 mm, H 15 mm	REF 128224
Titan BioStar °2 with shoulder Ø 98.5 mm, H 18 mm	REF 128225
Titan BioStar °2 with shoulder Ø 98.5 mm, H 20 mm	REF 128226



TITAN BioStar °4

Biocompatible pure titanium grade 4 milling blank for porcelain fused to metal (PFM) techniques, DIN EN ISO 22674, type 4. Titan BioStar °4 features a higher mechanical strength and therefore allows for accordingly dimensioned frame design. Indications range from individual crowns both front and lateral, to bridge frames in frontal and lateral areas with up to three units. Titan BioStar Grade 4 admits easy laser welding and can be fired using all usual porcelain indicated for titanium.

Titan BioStar °4 with shoulder Ø 98.5 mm, H 08 mm	REF 128240
Titan BioStar °4 with shoulder Ø 98.5 mm, H 10 mm	REF 128241
Titan BioStar °4 with shoulder Ø 98.5 mm, H 12 mm	REF 128242
Titan BioStar °4 with shoulder Ø 98.5 mm, H 13.5 mm	REF 128243
Titan BioStar °4 with shoulder Ø 98.5 mm, H 15 mm	REF 128244
Titan BioStar °4 with shoulder Ø 98.5 mm, H 18 mm	REF 128245
Titan BioStar °4 with shoulder Ø 98.5 mm, H 20 mm	REF 128246



TITAN BioStar °5

Biocompatible pure titanium grade 5 milling blank for porcelain fused to metal (PFM) techniques, DIN EN ISO 22674, type 4. Indications cover multiple units constructions both in frontal and lateral areas, including milled designs. Titan BioStar Grade 5 allows for easy laser welding and can be fired using all usual porcelain indicated for titanium.

Titan BioStar °5 with shoulder Ø 98.5 mm, H 08 mm	REF 128260
Titan BioStar °5 with shoulder Ø 98.5 mm, H 10 mm	REF 128261
Titan BioStar °5 with shoulder Ø 98.5 mm, H 12 mm	REF 128262
Titan BioStar °5 with shoulder Ø 98.5 mm, H 13.5 mm	REF 128263
Titan BioStar °5 with shoulder Ø 98.5 mm, H 15 mm	REF 128264
Titan BioStar °5 with shoulder Ø 98.5 mm, H 18 mm	REF 128265
Titan BioStar °5 with shoulder Ø 98.5 mm, H 20 mm	REF 128266

Wax BioStar

A milling wax disc especially adjusted to the dental CAD/CAM technique. Thereby crowns and bridges can be virtually formed, milled and finally casted the conventional way. The wax is excellently machinable and burns without residue. This results in smooth casted surfaces. These optimized features of the wax give way to even very delicate forms excluding shrinkage or distortion of the milled object. The wax – stable in volume – permits absolutely exact margin finishings and fits. Up to 30 units can be milled out of one disc.

Wax BioStar with shoulder Ø 98.5 mm, H 14 mm	REF 250032
Wax BioStar with shoulder Ø 98.5 mm, H 16 mm	REF 250033
Wax BioStar with shoulder Ø 98.5 mm, H 18 mm	REF 250030
Wax BioStar with shoulder Ø 98.5 mm, H 25 mm	REF 250031



SilaPart® BioStar

A special milling disc for the production of perfect partial denture frameworks.

- suitable for all open milling systems
- flexible and brake resistant
- precise and fast milling
- burns out without any residues
- also suitable for milling crowns and bridges

SilaPart® BioStar, with shoulder, Ø 98.5 mm, H 16 mm	REF 250080
SilaPart® BioStar, with shoulder, Ø 98.5 mm, H 18 mm	REF 250081
SilaPart® BioStar, with shoulder, Ø 98.5 mm, H 20 mm	REF 250082
SilaPart® BioStar, with shoulder, Ø 98.5 mm, H 25 mm	REF 250083
SilaPart® BioStar, with shoulder, Ø 98.5 mm, H 30 mm	REF 250084



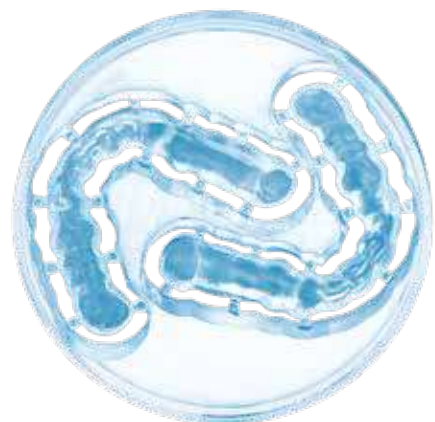
Splint Plus BioStar

A transparent, highly meshed poly carbonate milling disc.

Indications: on-bite splints, therapeutic splints, unbreakable provisional arrangements, drilling guides, positioners, snap on Smile, metal clasp-free partial prosthesis.

- very high break resistance
- high cost effectiveness
- can be milled extremely thin
- no special milling instruments necessary
- very good adhesion with other synthetic materials
- easy polymerisation of set teeth
- expandable with common auto- and light polymerisates
- comfortable biting hardness – not too hard and not too soft

Splint Plus BioStar transparent, Ø 98.5 mm, H 15 mm	REF 250125
Splint Plus BioStar transparent, Ø 98.5 mm, H 20 mm	REF 250126



CAD-CAM



PMMA BioStar

Dental milling discs based on PMMA (polymethyl methacrylate) which burn out residue-free and are developed for the casting technique. PMMA BioStar is available in 3 different colours (transparent, blue, ivory).

PMMA BioStar transparent	Ø 98.5 mm, H 14 mm	REF 250050
PMMA BioStar transparent	Ø 98.5 mm, H 18 mm	REF 250051
PMMA BioStar transparent	Ø 98.5 mm, H 25 mm	REF 250053
PMMA BioStar transparent	Ø 98.5 mm, H 30 mm	REF 250054
PMMA BioStar blue	Ø 98.5 mm, H 14 mm	REF 250055
PMMA BioStar blue	Ø 98.5 mm, H 18 mm	REF 250056
PMMA BioStar blue	Ø 98.5 mm, H 20 mm	REF 250057
PMMA BioStar blue	Ø 98.5 mm, H 25 mm	REF 250063
PMMA BioStar ivory	Ø 98.5 mm, H 14 mm	REF 250058
PMMA BioStar ivory	Ø 98.5 mm, H 18 mm	REF 250059



Juvora Dental PEEK

Highly biocompatible and high meshed, pure PEEK material based on polyether ether cetone.

Indications: for the production of metal free, of inlays, onlays, veneers, crowns and bridges (maximum 3-part) and partial crowns using CAD/CAM technology.

- ideal for nearly all fixed and removable restorations
- configured for the permanent stay in the oral cavity
- can be individualized with the common veneering and composite materials
- usable in all open milling systems
- highly biocompatible
- Ø 98.5 mm with shoulder

Juvora Dental PEEK, natural, H 16 mm	REF 250130
Juvora Dental PEEK, natural, H 18 mm	REF 250135
Juvora Dental PEEK, natural, H 20 mm	REF 250131
Juvora Dental PEEK, natural, H 22 mm	REF 250134
Juvora Dental PEEK, natural, H 25 mm	REF 250132
Juvora Dental PEEK, natural, H 30 mm	REF 250133
Juvora Dental PEEK, Oyster white, H 16 mm	REF 250143
Juvora Dental PEEK, Oyster white, H 18 mm	REF 250144
Juvora Dental PEEK, Oyster white, H 20 mm	REF 250145
Juvora Dental PEEK, Oyster white, H 25 mm	REF 250147
Juvora Dental PEEK, Oyster white, H 30 mm	REF 250148



YuDent™ Dental PEEK

A High-Performance Polymer based on PEEK (Polyetheretheretone) for the manufacturing of CAD/CAM based metal-free restorations for fixed and removable indications (e.g. implant-based applications, partial denture frameworks, etc.) utilizing milling technology.

- ideal for metal-free fixed and removable restorations and for implant supported works and partial dentures with clips.
- very light, also for large dentures, high wearing comfort
- tasteless, highly biocompatible
- high resistance to wear, abrasion and corrosion

Yudent Dental PEEK natur, Ø 98.5 mm, H 16 mm	REF 250150
Yudent Dental PEEK natur, Ø 98.5 mm, H 18 mm	REF 250151
Yudent Dental PEEK natur, Ø 98.5 mm, H 20 mm	REF 250152
Yudent Dental PEEK natur, Ø 98.5 mm, H 25 mm	REF 250153



Marmoplast® BioStar

A milling gypsum blank with an extraordinary edge stability, produced from resin reinforced super hard stone. The mechanical properties are matched to meet the requirements of milling parameters and guarantees smooth and splinter-free surfaces. Cause of the special formulation the Preform models do not show any dust during the milling process, only gypsum chippings. Colour: ivory, Ø 98.5 mm with shoulder.

Marmoplast® BioStar, Ø 98.5 mm, 30 mm, 10 pieces REF 250060

Marmoplast® BioStar, Ø 98.5 mm, 30 mm, 1 piece REF 250061



Zirkon BioStar

Zirkon BioStar¹, Zirkon BioStar Z² or Zirkon BioStar Colour are dental blanks (semi-finished products) made of yttrium stabilized, pre-sintered zirconium dioxide for milled production of crowns and bridge frameworks on commercial CAD/CAM systems or hand-operated copy-milling machines with outstanding biocompatibility and high resistance against tension and pressure.

Because of the special single cip™ production process (after the uniaxial pressing, every blank will be packed separately and pressed under an isostatic vacuum) we guarantee thru different batches a constant high quality.



Zirkon BioStar

Zirkon BioStar is a white zirconium dioxide with a content of aluminium oxide for a better hydro thermal aging. Zirkon BioStar is usable for all common ceramic colour liquids.

Zirkon BioStar Z

Zirkon BioStar Z is a translucent zirconium dioxide with a lower content of aluminium oxide.

Zirkon BioStar Colour

Already persistent coloured zirconium dioxide in the pre-sintered stage, produced according the same single cip™ production as Zirkon BioStar. Available in 5 different colours.

- The persistent coloured blanks guarantee a constant and homogenous colour quality.
- Saves a lot of time because there is no colouring and drying process anymore.

Colour orientation compared to the VITA-Colour code:

500 => A1/A2	800 => A3/B3	
1000 => C2/C3	1333 => A3,5/B4	2000 => A4



CAD-CAM



Zirkon BioStar HT (high translucent)

Zirkon BioStar HT is a high translucent zirconium dioxide with optimal hydrothermal consistency. This newly developed material allows now also the production of full anatomic frameworks. After the milling process the frameworks can be customised according to the paint brush technique.

Zirkon BioStar HT Colour

Persistent coloured zirconium dioxide in the presintered stage, available in 4 different colours (A1, A2, A3, A3,5) and 2 heights (14 mm and 18 mm).

Zirkon BioStar HT Multilayer

Zirkon BioStar HT Multilayer is a high translucent zirconium dioxide with optimal hydrothermal consistency. This newly developed material allows now also the production of full anatomic frameworks. After the milling process the frameworks can be customised according to the paint brush technique.



Zirkon BioStar HT Smile

An extraordinary high translucent zirconium oxide for restoration with maximum 3 pontics at anterior and posterior bridges, inlays, onlays and individual implant abutments.

- translucent as lithium-disilicate
- especially designed for the anterior region
- for single crown, Inlays, Onlays, Veneers
- maximum 3 pontics at anterior and posterior bridges
- absolut biokompatibel
- sintering temperature: 1.450 °C/ 2 h soaking time
- available in 12, 14, 18, 20 and 25 mm

Zirkon BioStar HT Smile Colour

Persistent coloured zirconium dioxide in the presintered stage, available in 4 different colours (A1, A2, A3, A3.5, B2, B3, C2, D2) and 2 heights (14 mm and 18 mm).

Zirkon BioStar HT Smile Multilayer

An extraordinary high translucent, pre-coloured multilayer zirconium oxide for monolithic frameworks.

Through an optimal production process the multilayered colours reach a natural and flowing colour gradient from dental enamel, dentine and the neck of tooth. The indications for maximum 3 pontics offers a large range of application.

- Zirkon BioStar HT Smile Multilayer is available in 14, 18 and 22 mm.
- Polychromatic blanks with fluent colour gradation: 3 layers
- Available in 2 high translucent variations: A2 with colour gradient A1 - A2.5 and A3 with colour gradient A2 - A3.5
- translucent as lithium disilicate
- for single crowns, Inlays, Onlays, Veneers
- maximum 3 pontics at anterior and posterior bridges
- Reduced costs for processing and customizing the restorations



Zirkon BioStar S

Presintered blocks made of zirconium dioxide especially for the use with the Sirona inLab® system* and Roland milling machines.

- available in 3 different colours (white opaque, Colour 500, Colour 1000)
- the necessary system code (Z-Code) will be delivered for every batch

*Sirona inLab® system is a registered trademark of the manufacturer.



Zirkon BioStar S-HT Smile

An extraordinary high translucent zirconium oxide in block form for restoration with maximum 3 pontics at anterior and posterior bridges, inlays, onlays and individual implant abutments with a lower bending strength of 600 MPa. Zirkon BioStar S-HT Smile is available in block form with holder and usable for all open milling system (e. G. Sirona inLab® and Roland)

- translucent as lithium-disilicate
- especially designed for the anterior region
- for single crown, Inlays, Onlays, Veneers
- maximum 3 pontics at anterior and posterior bridges
- absolut biokompatibel
- sintering temperature: 1.450 °C/ 2 h soaking time

*Sirona inLab® system is a registered trademark of the manufacturer.



CAD-CAM

Format: Disc, Ø 98.5 mm with shoulder (for open milling systems)

Product description	Colour	REF H 10 mm	REF H 12 mm	REF H 14 mm	REF H 16 mm	REF H 18 mm	REF H 20 mm	REF H 22 mm	REF H 25 mm
Zirkon BioStar	white opaque	252001	252002	252003	252004	252005	252006	252007	252008
Zirkon BioStar Z	white translucent	-	252022	252023	252024	252025	252026	252027	252028
Zirkon BioStar Colour	500	-	252052	252053	252054	252055	252056	-	252058
Zirkon BioStar Colour	800	-	252062	252063	252064	252065	252066	-	252068
Zirkon BioStar Colour	1000	-	252102	252103	252104	252105	252106	-	252108
Zirkon BioStar Colour	1333	-	-	252113	252114	252115	252116	-	-
Zirkon BioStar Colour	2000	-	-	252123	252124	252125	252126	-	-
Zirkon BioStar HT	white high translucent	-	252912	252913	252914	252915	252916	-	252918
Zirkon BioStar HT Colour	A1	-	-	252923	-	252925	-	-	-
Zirkon BioStar HT Colour	A2	-	252932	252933	252934	252935	252936	-	252938
Zirkon BioStar HT Colour	A3	-	252942	252943	252944	252945	252946	-	252948
Zirkon BioStar HT Colour	A3,5	-	-	252953	-	252955	-	-	-
Zirkon BioStar HT Multilayer	A2	-	-	252130	-	252131	-	252132	-
Zirkon BioStar HT Multilayer	A3	-	-	252133	-	252134	-	252135	-
Zirkon BioStar HT Smile	white high translucent	-	252712	252713	252714	252715	252716	-	252718
Zirkon BioStar HT Smile Colour	A1	-	-	252723	-	252725	-	-	-
Zirkon BioStar HT Smile Colour	A2	-	-	252733	-	252735	-	-	-
Zirkon BioStar HT Smile Colour	A3	-	-	252743	-	252745	-	-	-
Zirkon BioStar HT Smile Colour	A3.5	-	-	252753	-	252755	-	-	-
Zirkon BioStar HT Smile Colour	B2	-	-	252763	-	252765	-	-	-
Zirkon BioStar HT Smile Colour	B3	-	-	252773	-	252775	-	-	-
Zirkon BioStar HT Smile Colour	C2	-	-	252783	-	252785	-	-	-
Zirkon BioStar HT Smile Colour	D2	-	-	252793	-	252795	-	-	-
Zirkon BioStar HT Smile Multilayer	A2	-	-	252700	-	252701	-	252702	-
Zirkon BioStar HT Smile Multilayer	A3	-	-	252703	-	252704	-	252705	-

Other sizes (e. G. without shoulder) are on request available.

Format: Zirkon BioStar S with holder (for Sirona inLab® system* and Roland milling machines)

Product description	Colour	REF 21 x 15 x 15.5 mm pack of 10 pieces	REF 21 x 19 x 15.5 mm pack of 10 pieces	REF 40 x 15 x 14 mm pack of 10 pieces	REF 40 x 19 x 15.5 mm pack of 10 pieces	REF 55 x 19 x 15.5 mm piece	REF 65 x 25 x 22 mm piece	REF 85 x 40 x 22 mm piece
Zirkon BioStar S	white	252401	252402	252403	252404	252445	252405	252406
Zirkon BioStar S	Colour 500	252410	252411	252412	252413	-	252414	252415
Zirkon BioStar S	Colour 1000	252420	252421	252422	252423	-	252424	252425
Zirkon BioStar S-HT Smile	trans-luzent	-	-	-	252459	-	-	-

*Sirona inLab® System is a registered trademark of the manufacturers.

Zirkon BioStar PrePolisher

Silicon-based polishing burs for milled zirconium structures previous to sintering.

The zirconium structures can be polished and trimmed easily due to its still soft condition. Margens can be smoothed and pontics shaped.

Zirkon BioStar Prepolishers are free of colour pigments which avoids unwanted staining. Due to their soft silicone bonding, they are especially adequate for the also soft consistency of the structures and adapt perfectly to the objects.

Applications:

Dark grey = 1. grade: Cutting, stripping and shaping

Light grey = 2. grade: High gloss polish

Zirkon BioStar PrePolisher RD, medium, 10 pieces REF 252800

Zirkon BioStar PrePolisher KG, medium, 10 pieces REF 252801

Zirkon BioStar PrePolisher RD, fine, 10 pieces REF 252802

Zirkon BioStar PrePolisher KG, fine, 10 pieces REF 252803

RD = wheel, KG = disc



Zirkon BioStar Polisher

Diamond-based polishing system for burnishing sintered zirconium and alumina.

The chosen diamond grane allows for a gentle treatment of the frames with minimal heat development, resulting in excellent polishing effects.

Blueish grey = coarse: Cutting, stripping and shaping

Blue = medium: Burnishing

Grey = fine: High gloss polish

Zirkon BioStar Polisher LS, fine 3 pieces REF 252810

Zirkon BioStar Polisher FL, fine 3 pieces REF 252811

Zirkon BioStar Polisher RD, fine 3 pieces REF 252812

Zirkon BioStar Polisher LS, medium 3 pieces REF 252820

Zirkon BioStar Polisher FL, medium 3 pieces REF 252821

Zirkon BioStar Polisher RD, medium 3 pieces REF 252822

Zirkon BioStar Polisher FL, course 3 pieces REF 252830

Zirkon BioStar Polisher RD, course 3 pieces REF 252831

Zirkon BioStar Polisher WZ, course 3 pieces REF 252832

Zirkon BioStar Polisher, Set REF 252840

LS = lense, FL = flame, RD = wheel WZ = roll



CAM-Stone N Special stone for scanning systems

CAM-Stone N has been developed for opto-electronic scanning. It prevents interfering reflections in the defined wave-lengths. By using CAM-Stone N the coating of the gypsum model is not necessary. The short setting time allows a fast chairside treatment.

Recommendation: **For opto-electronic scanning, crown and bridge models, master casts with precious and non-precious alloys.**

Packing sizes and technical data see page 20



CAD-CAM



MarmoScan Wax

Scannable modelling wax, Colours: ivory

Applications:

- Used in blocking out cavities and closing saw cuts prior to scanning
- For all CAD-CAM systems (white light and laser scan)

Characteristics:

- Compatible with CAM-Stone N, as no additional spray/powder is needed when using MarmoScan Wax
- For optimum scan and fit

MarmoScan Wax, 60 g can

REF 250010



MarmoScan varnish

Scannable non-reflecting varnish for all dental gypsum, Colours: ivory

Applications:

- Anti-reflex liquid for all CAD-CAM systems
- Smooths surfaces to be scanned
- For extra-oral laboratory use only

Characteristics:

- Laser-opaque, washes off
- use MarmoScan thinner for thinning
- suitable for all dental gypsum

MarmoScan varnish, 20 ml bottle with brush

REF 250001

MarmoScan thinner, 20 ml bottle REF 250002



MarmoScan-Spray Plus

Extra-fine atomiser for ultra fine spray film, ensures finest edge presentation

- homogeneous spray condition with very smooth surfaces
- easy to clean with water steam
- suitable for all CAD-CAM systems
- for the extraoral application (gypsum model)

MarmoScan-Spray Plus, 200 ml can

REF 250023



MarmoScan-Spray Basic

homogeneous spray condition with very smooth surfaces

- easy to clean with water steam
- suitable for all CAD-CAM systems
- for the extraoral application (gypsum model)
- easy to clean with water steam
- very good price-performance ratio

MarmoScan-Spray Basic, 400 ml can

REF 250022

SilaPart® CAD

construction software

Basic software + telescopic-module + texture recognition

perfect fitting & highest finish quality

SilaPart® CAD construction software

- flexible construction options
- creates open STL-File
- easy to learn
- highest precision
- includes VITA-dental data base
- no license fees
- no deformation in the framework
- digital system security
- less post processing due to best possible finish quality
- Expansion for combination technique and telescopic manufacturing is available

REF 254002

SilaPart® CAD Auto Design *

- automatic construction based on drawn contours on the model

REF 254021

SilaPart® CAD telescopic-module*

- flexible construction options
- controllable friction
- creates open STL-File
- less post processing due to best possible finish quality

REF 254010

SilaPart® CAD texture recognition*

- model-cast structures and double-crown-module in a closed workflow
- adjustable friction with setting values
- offsets freely selectable
- preparation and design takeover through texture recognition

REF 254020

* will work only in combination with the SilaPart® CAD basic software

Test the software

A free trial of our SilaPart® CAD construction software can be downloaded here:
www.siladent.de/silapart-software



SilaMill N4


4 Axes	8 Tools	PMMA/ PEEK	ZrO ₂
Com- posites	LiSi ₂		

SilaMill Z4


4 Axes	6 Tools	PMMA	ZrO ₂
Com- posites	CoCr / Titan	LiSi ₂	

SilaMill T5


5 Axes	16 Tools	± 35°	PMMA/ PEEK
ZrO ₂	Com- posites	CoCr	

SilaMill milling systems

SilaMill 5


5 Axes	16 Tools	± 30°	PMMA/ PEEK
ZrO ₂	Com- posites	LiSi ₂	CoCr / Titan

SilaMill 5.8


5 Axes	16 Tools	± 30°	PMMA/ PEEK
ZrO ₂	Com- posites	LiSi ₂	CoCr / Titan

SilaMill R5


5 Axes	16 Tools	± 35°	PMMA/ PEEK
ZrO ₂	Com- posites	CoCr	

More information about the SilaMill milling machines can be found in our CAD-CAM catalogue.



SilaPrint 125 ULTRA

The perfect 3d printer for the laboratory

The open resourced DLP printer SilaPrint 125 is the perfect choice for the production of 3D printed crown and bridges, working models, splints and drilling templates and allows a fast and economical production of high accurate framework.

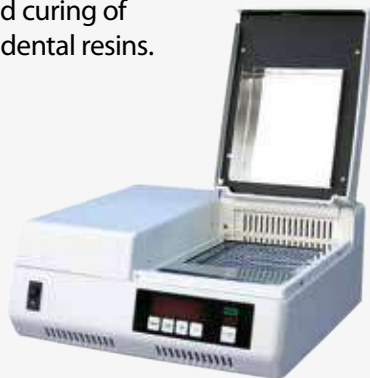
In combination with our Otoflash G171 and our printing material Ortho Print UV (medical class IIa) you can produce certified occlusal splints and drilling templates.

SilaPrint 3D printing

Otoflash G171

Flash-curing device for light-curing resins

The device can be used for the photopolymerisation of all light-curable materials where the curing takes place at a wavelength of 280-580 nm. Ideal for end curing of 3D printed dental resins.



Resins for 3D prints

SilaPrint resins for 3D prints

Methacrylate-based light-curing resins for the generative fabrication of biocompatible drilling templates and occlusal splints, x-ray templates, models, crowns and bridges, partial denture frameworks, individual impression trays, etc



Cleaning



Ultrasonic polishing paste cleaner

A water soluble cleaner based on a special agent for removing rests of polishing paste and materials with high fat contents on crowns, bridges, acrylic dentures & instruments which are used for ultrasonic units and fluid pin cleaning systems. It also removes relining with zinc oxide paste free of residue by diluting with a higher concentration.

High concentrate 1:20

1 kg Ultrasonic polishing paste cleaner REF 251021

5 kg Ultrasonic polishing paste cleaner REF 251020



Ultrasonic dental plaque cleaner

A water soluble cleaner based on a special agent for removing dental plaque from dental prosthesis. For the use in the dental laboratory, in the dentistry and the patient as well.

High concentrate

1 kg Ultrasonic dental plaque cleaner REF 251011

5 kg Ultrasonic dental plaque cleaner REF 251010

Silaform®

Kneadable, condensation-curing, two-component silicone with paste hardener base. Multi-purpose laboratory silicone for fabricating over-casts-silicone keys, bite registrations, repair models and for blocking out undercuts and for as well as many other uses. Mixing ratio of components A and B: 100 : 3.

- Non-sticky, smooth initial consistency
- High final setting Shore A hardness > 70 after 24 hours
- Practical to mix using the contrasting coloured hardening paste
- Optically controlled mixing using colour control

1.5 kg Silaform® including 1 tube paste hardener	REF 102701
5 kg Silaform® including 4 tubes paste hardener	REF 102702
20 kg Silaform® including 16 tubes paste hardener	REF 102740
35 g Silaform® paste hardener	REF 102703



Silaform® 85 K

Kneadable, condensation-curing, two-component silicone with paste hardener base. For the same applications as Silaform®, but where higher Shore A is required. Mixing ratio of components A and B: 100 : 3.

- non-sticky, smooth initial consistency
- very high final setting Shore A hardness > 85 after 24 hours
- practical to mix using the contrasting coloured hardening paste
- optically controlled mixing using colour control

1.5 kg Silaform® 85 K + 1 tube paste hardener	REF 102711
5 kg Silaform® 85 K + 4 tubes paste hardener	REF 102712
20 kg Silaform® 85 K + 16 tubes paste hardener	REF 102713
35 g Silaform® paste hardener	REF 102703



Silaform® 90 extra-hard 1 : 1

Kneadable two-component A-silicone with a greatly increased final setting Shore A hardness of > 90 after 24 hours. Same applications as Silaform®, when high stability is required. Mixing ratio of components A and B: 1 : 1.

- Very low shrinkage < 0.01%
- Optimal working and hardening times according to requirements
- Exact reproduction of detail
- Cuts easily and is resistant to inorganic chemicals
- Excellent mechanical properties after hardening

2 x 1.5 kg Silaform® 90 extra-hard 1:1	REF 102704
2 x 5 kg Silaform® 90 extra-hard 1:1	REF 127191
2 x 9 kg Silaform® 90 extra-hard 1:1	REF 102705



Silaform® 80 medium hard 1:1

Kneadable two-component A-silicone with a final setting of Shore A hardness 80 and a very low shrinkage < 0.01%.

Same application as Silaform® 90 extra hard 1:1 but with a reduced Shore A hardness.

2 x 1.5 kg Silaform® 80 medium hard 1:1	REF 127600
2 x 5 kg Silaform® 80 medium hard 1:1	REF 127603
2 x 9 kg Silaform® 80 medium hard 1:1	REF 127606



Special products



Silaform® Gingiva

A-silicone for fabricating gingival masks. Silaform® Gingiva is an A-silicone with a high Shore A hardness for fabricating of gingival masks in the direct application in the impression and the indirect fabrication technique on the model.

- High final Shore A hardness > 70, very strong tear resistance
- short vulcanisation time of 7-8 minutes easy to cut and grind
- cartridges are usable for all standard 50 ml dispenser systems
- applicable for the complete crown and bridge technique and implantology

Silaform® Gingiva
pack of 2 x 50 ml + 12 mixing tips

REF 127300



Silaform® Gingiva soft

Same application as Silaform® Gingiva but with reduced Shore A hardness of 40.

Silaform® Gingiva soft
pack of 2 x 50 ml + 12 mixing tips

REF 127310



Silaform® Gingiva Sep

A separating agent spray for use with A-silicones.

Silaform® Gingiva Sep prevents different A-silicone impression materials bonding together, ensuring optimal separation of the two different impression materials after curing.

Silaform® Gingiva Sep, 85 ml

REF 127301



Silafill - blocking out material

Silafill is a kneadable and reusable blocking out material for blocking out undercuts from gypsum models. Also suitable for level during the model creations and for use with the SILADENT rearticulation system „Occlutop“. Silafill is compatible with all SILADENT duplications silicones.

1.000 g box (approx. 1.000 ml)

REF 102750

Special products

Deiberit 502°

Hard sticky wax, yellow and red

Perfect sticky wax which combines best adhesive power with residue free-burning. Gets hard quickly at a low melting point, solid and with sharp fractures. Indispensable for precision works. For the firm positioning of individual dentures, for fixing pre-walls to the model and for the temporary adhesion of models and prostheses.

Deiberit 502° red, 10 sticks	REF 209221
Deiberit 502° red, 50 sticks	REF 209222
Deiberit 502° red, block à 100 g	REF 209223
Deiberit 502° yellow, 10 sticks	REF 209211
Deiberit 502° yellow, 50 sticks	REF 209212
Deiberit 502° yellow, block à 100 g	REF 209213



Silatray

Light-curing tray material for fabricating functional trays, custom trays, bite-blocks, registration bite plates and for other uses in the laboratory. Each side must be polymerized for 4 minutes. Supplied in packs of 50 preformed templates for upper and lower arches in blue, pink and transparent.

- Easy manipulation and a long working time of approx. 20 min in daylight
- Excellent dimensional stability even in moist oral conditions
- High degree of elasticity
- Virtually no polymerisation shrinkage
- May be cured with all normal brands of UV and halogen light units
- No sticky layer if a normal brand of light-curing lacquer is applied

Upper jaw

Silatray box containing 50 blanks, blue	REF 102901
Silatray box containing 50 blanks, pink	REF 102902
Silatray box containing 50 blanks, transparent mint flavoured	REF 102903



Digital Solar Scale

Operation with solar energy, excess energy is conserved and used under poorly lighting conditions, scales to max. 2.000 g.

0 - 100 g d = 0,5 g / 100 - 2.000 g d = 1 g REF 101514

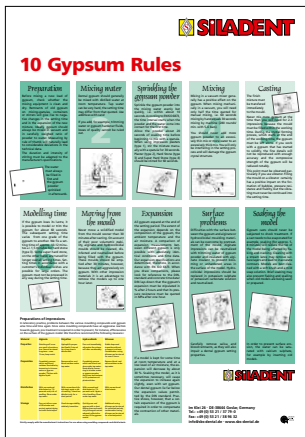
Digital Timer

Digital time counter (incl. battery) with max. 100 minutes count-down / up. Easy handling with magnet and clippe. Large digit, extra loud sound.

Digital Timer REF 101515



Poster / Handbooks



The ten gypsum rules

DIN A 3 Poster, free

REF 902014

The gypsum model is the basis for a good fit of the restoration. This poster provides a wealth of information to facilitate dental gypsum work, covering all stages from preparing to trimming gypsum models.

SILADENT duplicating and investing techniques

DIN A4 Poster free

REF 902152

Each stage of the SILADENT flaskless duplicating technique and the SILADENT system investment model fabrication technique are illustrated and described in detail.

Handbook for accurate crown and bridge technique using the SILADENT system

Handbook, 36 pages (German/English)

REF 902004

With this handbook the dental technician gets a detailed guide for accurate crown and bridge technique according the SILADENT system. All working steps are described in details.

Handbook for the investment casting of partial denture frameworks using the SILADENT system

Handbook, 36 pages

REF 902005

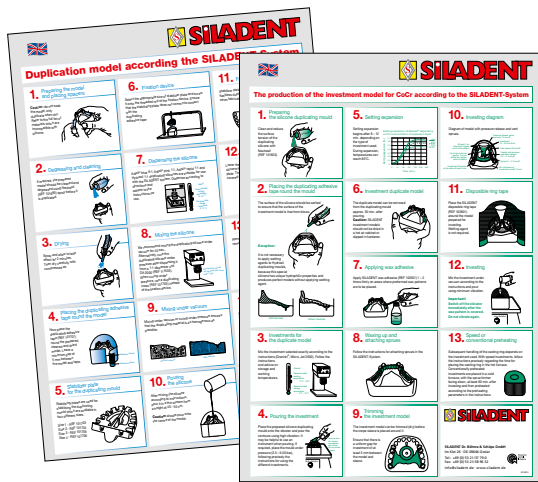
With this handbook the dental technician gets a detailed guide for the creation of partial denture frameworks according the SILADENT system. The user gets all detailed informations, beginning from the flaskless duplicating system thru the investing until the casting.

Handbook SilaPress resin pouring using the SILADENT system

Handbook, 28 pages (German/English)

REF 902008

The SilaPress handbook gives the technician a useful and detailed guideline when performing SilaPress resin pouring system.



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SILADENT Dr. Böhme & Schöps GmbH
Im Klei 26 · DE-38644 Goslar

Tel. +49 (0) 53 21 / 37 79 - 0
Fax +49 (0) 53 21 / 38 96 32

info@siladent.de
www.siladent.de