Product catalogue
2014
Welcome to SILADENT Dr. Böhme & Schöps

Two highly respected dental companies under one roof!

SILADENT-TECHNIK GmbH and Dr. Böhme & Schöps GmbH have been working closely together since 1997 and are now consolidating their highly successful collaboration by forming a joint company.

Already in 1924 Ludwig Böhme manufactured the first dental plasters in Hohenbocka, Lausitz, Germany. Ten years later in 1934 Carl Schöps began production in Bad Sachsa, Harz, Germany. In 1995 the two well-established dental companies amalgamated to form the company of Dr. Böhme & Schöps Dental GmbH with its headquarters in Goslar, Harz. Their type 1 to 5 quality plasters produced in accordance with EN ISO 6873 from high-purity raw materials are used worldwide in dental technology. The company has also developed plaster-bonded speed investments for precious metals, solder investments and special polishing and abrasive agents.

SILADENT-TECHNIK GmbH, founded in 1984 in Munich, was the first company to develop an A-silicone for the technically superior flaskless duplicating system. This was the basis for the SILADENT System with its range of fully coordinated materials. Previously unattainable accuracy and surface quality could now be achieved with this well-designed system. The first speed technique investment and other new silicones were developed and put on the market in 1994. Training options have been greatly expanded and a hotline ensures that technical advisors are always available to provide technicians with assistance.

The new company SILADENT Dr. Böhme & Schöps GmbH combines outstanding technical expertise with an excellent product range.

The staffs of our former companies and our new company all look forward to your continued support and will make every effort to ensure speedy, punctual delivery of our quality products.

Dental Gypsum

We supply a full range of quality laboratory gypsum, including articulation plaster, model plaster, model stones and super hard stones, in a large variety of colours. We use only the highest quality raw materials from natural sources or synthetic gypsums from the food industry. We never use raw gypsums from flue gas desulferizing. All dental plasters are produced to comply with EN ISO 6873 regulations and are subjected to stringent quality control.

Duplicating Techniques – accurate to within 1/1.000 mm

The SILADENT Duplicating technique is based on extremely stable silicones which reproduce details very accurately, flow very smoothly and evenly, are durable and tear-resistant, and exhibit Shore A hardness values from 16 to greater than 24.

The successful SILADENT system originates from a flaskless duplicating technique using Adisil® blue. The adhesive tape procedure uses stable, non-distorting moulds with the patented SILADENT duplicating system to save up to 40% duplicating material in comparison to duplicating flasks.

High tech investment materials

SILADENT investment materials are always one step ahead in their development. We offer you a full range of most modern investment materials. With the first and patented speed casting investment for partial frameworks JET 2000 we introduced the first speed casting investment into the dental market, which are today the state of the art. We guarantee highly precise castings and continually high quality results for all applications.
Absolutely pure CrCo alloys

SILADENT supplies biocompatible, cobalt-based alloys for partial frameworks, various fixed/re-movable appliances and crown and bridge cases which are highly corrosion-resistant with special mechanical properties for all kinds of constructions. The following alloys are all suitable for these applications depending on individual requirements.

Accurately designed accessories for the SILADENT technique

The SILADENT ringless investing technique does not impede setting expansion and is easy to use, saving time and clean-up:

- Silicone sleeves and
- Plastic sprue formers.

CrCo partial frameworks are invested using patented crepe tape rather than flasks.

Surfaces must be prepared:

- Gipsil enables models to be cast in polyether and silicone moulds without entrapping bubbles.
- Neutralit and Neutrasil are used on silicone surfaces.

TEK-1 – the branded one piece casing technique within the SILADENT system

High-precision telescopes made from non-precious CoCrMo alloy. It’s the fastest and most cost-effective technique for manufacturing telescope crowns with patient-friendly friction behavior and delicate construction of the overall restoration. The true alternative to cost-intensive restorations made from gold or zirconium oxide.

Denture prostheses

This seamless material chain thus sets the standard for our newly developed SilaPress resin pouring system, in which only highly-modular prosthetic resins are deployed. The complex formulations are comprised of a wide variety of components that also interact in a specific manner. Combined with our flask systems and the other products in our casting system, the acrylic resin is transformed into a system that offers the user quick and extremely cost-effective fabrication of all kinds of dentures.

CAD-CAM products

For the CAD-CAM milling technology we offer a wide range of different milling materials under the brand “BioStar”. From high quality CoCr blanks thru Wax, Titan, thermoplastic acrylcs, PMMA until zirconium oxide products we offer all high quality materials for this new market. Especially in the zirconium oxide market we offer different discs and blocks for plenty milling types and in white opaque, white translucent and 5 different colours.

Consultation • Training • Service from the same source

The SILADENT Service department has been expanded to keep abreast of our technical products. Specialized training provides the answer to any question. Our product specialists are available at any time to answer your questions about technical details and materials or even complete systems.

Please contact us, our product consultants are at your disposal.

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info@sbs-dental.de · www.sbs-dental.de
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Model creation

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 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

Water Dispenser WD 1
The fast and secure technology for best gypsum models, gypsum bound investments and alginites.

All features at a glance:
- Easy to use
- Precise dosing
- Maintenance-free
- Easy to clean
- Durable

Technical data:
Setting range 10.0 – 50.0 ml
Graduation 1.0 ml
Scope of delivery: 1 dispenser (valve block with finger guard), 1 discharge tube set, 1 intake tube, 2 adaptors made of PP, 1 operating manual, 1 certificate of precision, 1 glass bottle 2.000 ml

Water Dispenser WD 1 REF 260001
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
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
Model sleeve, size 1
Study model plate, size 1, 25 plates
Removal device, size 1
Pin base plate incl. split cast plate and magnet, size 2
Model sleeve, size 2
Study model plate, size 2, 25 plates
Removal device, size 2
Profisep 2010 (separating agent), 100 ml
Profisep 2010 (separating agent), 500 ml
Profisep Clean (cleaning agent), 400 ml

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

Transparent packagings
Ensures a safe transportation of gypsum models, restorations, etc.

Transparent packagings, size 1
(W 78 mm x D 69 mm x H 44 mm) set of 3
Transparent packagings, size 2
(W 90 mm x D 78 mm x H 58 mm) set of 3
EN ISO 6873, Preparations of impressions

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.

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

<table>
<thead>
<tr>
<th>Type</th>
<th>Impression Plaster</th>
<th>Plaster &amp; Articulation Plaster</th>
<th>Hard Stone</th>
<th>Super Hard Stone (up to 0.15% expansion)</th>
<th>Super Hard Stone (up to 0.30% expansion)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type 1</td>
<td>Impression Plaster</td>
<td>80 +/- 4</td>
<td>1,25</td>
<td>2,5 / 5,0</td>
<td>0,15</td>
</tr>
<tr>
<td>Type 2</td>
<td>Plaster &amp; Articulation Plaster</td>
<td>75 +/- 4</td>
<td>2,5</td>
<td>6,0 / 30,0</td>
<td>0,30</td>
</tr>
<tr>
<td>Type 3</td>
<td>Hard Stone</td>
<td>30 +/- 3</td>
<td>3,0</td>
<td>6,0 / 30,0</td>
<td>0,20</td>
</tr>
<tr>
<td>Type 4</td>
<td>Super Hard Stone, low exp.</td>
<td>30 +/- 3</td>
<td>3,0</td>
<td>6,0 / 30,0</td>
<td>0,15</td>
</tr>
<tr>
<td>Type 5</td>
<td>Super Hard Stone, high exp.</td>
<td>30 +/- 3</td>
<td>3,0</td>
<td>6,0 / 30,0</td>
<td>0,16 - 0,30</td>
</tr>
</tbody>
</table>

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 EN ISO 6873 values and will mislead the user. Our quality controls at the plant are in strict compliance with 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:

<table>
<thead>
<tr>
<th>Material</th>
<th>Alginate</th>
<th>Polyether</th>
<th>Hydrocolloids</th>
<th>Silicons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Properties</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Preparation</td>
<td>Shrinking will occur as a result of moisture loss. Cannot be stored longterm – max. 1 hour; keep moist.</td>
<td>Hydrophilic properties/ Swells if stored for a long time in disinfectant.</td>
<td>Pour out immediately, otherwise the volume will alter considerably.</td>
<td>With conventional disinfectant or 1% peracetic acid; again a risk of swelling. Rinse under tap water.</td>
</tr>
<tr>
<td>Disinfection</td>
<td>Completely remove saliva- and blood residues. Neutralise by immersing in trimmer water or gypsum powder/ Thicken with alginate liquid.</td>
<td>Remove saliva- and blood residues under tap water.</td>
<td>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.</td>
<td>With conventional disinfectant or 1% peracetic acid. Again a risk of swelling. Rinse under tap water.</td>
</tr>
<tr>
<td>Storage</td>
<td>With conventional disinfectant or 1% peracetic acid; risk of swelling. Rinse under tap water.</td>
<td></td>
<td>Quicky pour out/gypsum with a short setting time are beneficial; prolonged contact adversely affects the surface of the gypsum model.</td>
<td>Cross-linking silicones can be stored for unlimited periods; condensation-cross-linked silicones can be stored for a limited period.</td>
</tr>
</tbody>
</table>

Strictly comply with the manufacturer's instructions for use when using moulding compounds and disinfectants.
10 rules to be observed

**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 destilled 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 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 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.

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.

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

<table>
<thead>
<tr>
<th>Plaster &amp; Articulation Plaster, type 2</th>
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<tbody>
<tr>
<td>Dr. Balzer® Special plaster</td>
</tr>
<tr>
<td>Articulation plaster</td>
</tr>
<tr>
<td>Mounting Stone</td>
</tr>
<tr>
<td>Universal</td>
</tr>
<tr>
<td>Spezial</td>
</tr>
<tr>
<td>Dura-semi-hard-plaster</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Hard Stone, type 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neo Marmorit® Super</td>
</tr>
<tr>
<td>Neo Marmorit®</td>
</tr>
<tr>
<td>Neo Marmorit® Speed</td>
</tr>
<tr>
<td>Modelit®</td>
</tr>
<tr>
<td>Marmodent®</td>
</tr>
<tr>
<td>Marmodent® S</td>
</tr>
<tr>
<td>Neo Marmorit® E</td>
</tr>
<tr>
<td>Natura</td>
</tr>
<tr>
<td>Ortho Plaster</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Super Hard Stone, type 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marmoplast® N</td>
</tr>
<tr>
<td>Marmorock® 20/22°/24°</td>
</tr>
<tr>
<td>Marmorock® Speed</td>
</tr>
<tr>
<td>Japan-Stone</td>
</tr>
<tr>
<td>Neo Stone</td>
</tr>
<tr>
<td>Tru Stone</td>
</tr>
<tr>
<td>Die Stone</td>
</tr>
<tr>
<td>Excalibur</td>
</tr>
<tr>
<td>Base Stone (FL)</td>
</tr>
<tr>
<td>CAM-Stone N</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Super Hard Stone, type 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Die Keen</td>
</tr>
<tr>
<td>MarmoDie</td>
</tr>
<tr>
<td>Marmorock® E</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Articulation plaster, type 2</th>
<th>Dr. Balzer® Special plaster</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>natural white, pink</td>
</tr>
<tr>
<td>Water-Powder-ratio</td>
<td>50 : 100</td>
</tr>
<tr>
<td>Working time in minutes</td>
<td>1.5</td>
</tr>
<tr>
<td>Setting time in minutes</td>
<td>2.5</td>
</tr>
<tr>
<td>Setting expansion %</td>
<td>0.06</td>
</tr>
<tr>
<td>Compressive strength, after 1 hour</td>
<td>15 MPa</td>
</tr>
<tr>
<td>Compressive strength, dry</td>
<td>20 MPa</td>
</tr>
<tr>
<td>Packing</td>
<td>25 kg; 20 kg; 4 x 5 kg; 5 kg</td>
</tr>
</tbody>
</table>

**Product** | **Colour** | **25 kg bag REF** | **20 kg carton REF** | **4 x 5 kg bags REF** | **5 kg bag REF**
---|---|---|---|---|---
Dr. Balzer® Special plaster | natural white | 201134 | 201139 | 201131 | 201130
| pink | 200114 | 200119 | 200111 | 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 |
**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.

<table>
<thead>
<tr>
<th>Plaster, type 2</th>
<th>Universal</th>
<th>Spezial</th>
<th>Dura Semi-Hard Plaster</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>natural white</td>
<td>natural white</td>
<td>blue, green, natural white</td>
</tr>
<tr>
<td>Water-Powder-ratio</td>
<td>50 : 100</td>
<td>50 : 100</td>
<td>40 : 100</td>
</tr>
<tr>
<td>Working time in minutes</td>
<td>5-6</td>
<td>10-12</td>
<td>5-6</td>
</tr>
<tr>
<td>Setting time in minutes</td>
<td>10-12</td>
<td>18-22</td>
<td>10-12</td>
</tr>
<tr>
<td>Setting expansion %</td>
<td>0.15</td>
<td>0.28</td>
<td>0.16</td>
</tr>
<tr>
<td>Compressive strength, after 1 hour</td>
<td>15 MPa</td>
<td>12 MPa</td>
<td>20 MPa</td>
</tr>
<tr>
<td>Compressive strength, dry</td>
<td>20 MPa</td>
<td>18 MPa</td>
<td>40 MPa</td>
</tr>
<tr>
<td>Packing</td>
<td>25 kg; 20 kg; 4 x 5 kg; 5 kg</td>
<td>25 kg; 20 kg; 4 x 5 kg; 5 kg</td>
<td>25 kg; 4 x 5 kg; 5 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>25 kg bag REF</th>
<th>25 kg carton REF</th>
<th>4 x 5 kg bags REF</th>
<th>5 kg bag REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Universal</td>
<td>natural white</td>
<td>200134</td>
<td>20 kg 200139</td>
<td>200131</td>
<td>200130</td>
</tr>
<tr>
<td>Spezial</td>
<td>natural white</td>
<td>200124</td>
<td>20 kg 200129</td>
<td>200121</td>
<td>200120</td>
</tr>
<tr>
<td>Dura Semi-Hard Plaster</td>
<td>blue</td>
<td>200164</td>
<td>200169</td>
<td>200161</td>
<td>200160</td>
</tr>
<tr>
<td></td>
<td>green</td>
<td>201644</td>
<td>201649</td>
<td>201641</td>
<td>201640</td>
</tr>
<tr>
<td></td>
<td>natural white</td>
<td>201634</td>
<td>201639</td>
<td>201631</td>
<td>201630</td>
</tr>
</tbody>
</table>
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.

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>25 kg bag REF</th>
<th>25 kg carton REF</th>
<th>4 x 5 kg bags REF</th>
<th>5 kg bag REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neo Marmorit® Super</td>
<td>grey</td>
<td>202314</td>
<td>202319</td>
<td>202311</td>
<td>202310</td>
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<tr>
<td></td>
<td>white</td>
<td>200234</td>
<td>200239</td>
<td>200231</td>
<td>200230</td>
</tr>
<tr>
<td></td>
<td>mint</td>
<td>202374</td>
<td>202379</td>
<td>202371</td>
<td>202370</td>
</tr>
<tr>
<td>Neo Marmorit®</td>
<td>blue</td>
<td>200204</td>
<td>200209</td>
<td>200201</td>
<td>200200</td>
</tr>
<tr>
<td></td>
<td>green</td>
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<td></td>
<td>yellow</td>
<td>200214</td>
<td>200219</td>
<td>200211</td>
<td>200210</td>
</tr>
<tr>
<td>Neo Marmorit® Speed</td>
<td>blue</td>
<td>202004</td>
<td>202009</td>
<td>202001</td>
<td>202000</td>
</tr>
<tr>
<td></td>
<td>yellow</td>
<td>202104</td>
<td>202109</td>
<td>202103</td>
<td>202100</td>
</tr>
</tbody>
</table>
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.

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>25 kg bag REF</th>
<th>25 kg carton REF</th>
<th>4 x 5 kg bags REF</th>
<th>5 kg bag REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Modelit®</td>
<td>blue</td>
<td>200634</td>
<td>200639</td>
<td>200631</td>
<td>200630</td>
</tr>
<tr>
<td></td>
<td>yellow</td>
<td>200624</td>
<td>200629</td>
<td>200621</td>
<td>200620</td>
</tr>
<tr>
<td>Marmodent®</td>
<td>blue</td>
<td>200824</td>
<td>200828</td>
<td>200829</td>
<td>200820</td>
</tr>
<tr>
<td></td>
<td>yellow</td>
<td>200814</td>
<td>200818</td>
<td>200819</td>
<td>200810</td>
</tr>
<tr>
<td></td>
<td>green</td>
<td>200844</td>
<td>200848</td>
<td>200849</td>
<td>200840</td>
</tr>
<tr>
<td></td>
<td>natural white</td>
<td>200834</td>
<td>200838</td>
<td>200839</td>
<td>200830</td>
</tr>
<tr>
<td>Marmodent® S</td>
<td>blue</td>
<td>208244</td>
<td>208249</td>
<td>208299</td>
<td>208201</td>
</tr>
<tr>
<td></td>
<td>yellow</td>
<td>208144</td>
<td>208149</td>
<td>208199</td>
<td>208101</td>
</tr>
<tr>
<td></td>
<td>super white</td>
<td>208344</td>
<td>208349</td>
<td>208399</td>
<td>208301</td>
</tr>
</tbody>
</table>
**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 usable for all acrylic dentures.

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.**

---

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>25 kg bag REF</th>
<th>25 kg carton REF</th>
<th>4 x 5 kg bags REF</th>
<th>5 kg bag REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Neo Marmorit® E</td>
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<td></td>
<td></td>
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<td>200240</td>
</tr>
<tr>
<td>Natura</td>
<td>super white</td>
<td>200224</td>
<td>200229</td>
<td>200221</td>
<td>200220</td>
</tr>
<tr>
<td>Ortho Plaster</td>
<td>snow white</td>
<td>22,7 kg</td>
<td>200493</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**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: crown and bridge models, implant models, master models with precious/non-precious alloys, control models.

---

**Marmorock® 20/22/24** Natural material

A fine flowing super hard stone of 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 min.) is desired.

Recommendation: crown and bridge models, implant models, master models with precious/non-precious alloys, control models, checkbite-casts.

---

### Super hard stone, type 4

<table>
<thead>
<tr>
<th>Colour</th>
<th>Marmoplast® N</th>
<th>Marmorock® 20/22/24</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>golden brown</td>
<td></td>
<td>golden brown, yellow, green, white</td>
</tr>
<tr>
<td>ivory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>apricot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pearlgrey</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water-Powder-ratio</td>
<td>20 : 100</td>
<td>20 : 100 / 22 : 100 / 24 : 100</td>
</tr>
<tr>
<td>Working time in minutes</td>
<td>7-8</td>
<td>6-7</td>
</tr>
<tr>
<td>Setting time in minutes</td>
<td>15-17</td>
<td>12-14</td>
</tr>
<tr>
<td>Setting expansion %</td>
<td>0.09</td>
<td>0.09 / 0.09 / 0.10</td>
</tr>
<tr>
<td>Compressive strength, after 1 hour</td>
<td>60 MPa</td>
<td>60 MPa / 55 MPa / 50 MPa</td>
</tr>
<tr>
<td>Compressive strength, dry</td>
<td>90 MPa</td>
<td>90 MPa / 80 MPa / 75 MPa</td>
</tr>
<tr>
<td>Packing</td>
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<td>25 kg; 4 x 5 kg; 5 kg</td>
</tr>
</tbody>
</table>

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### Product Colour

<table>
<thead>
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<th>170108</th>
<th>170101</th>
</tr>
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<tbody>
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<td>ivory</td>
<td>171004</td>
<td>171009</td>
<td>171008</td>
<td>171000</td>
</tr>
<tr>
<td></td>
<td>apricot</td>
<td>171014</td>
<td>171019</td>
<td>171018</td>
<td>171010</td>
</tr>
<tr>
<td></td>
<td>pearlgrey</td>
<td>171024</td>
<td>171029</td>
<td>171028</td>
<td>171020</td>
</tr>
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</tr>
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<td>205909</td>
<td>205908</td>
</tr>
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<td>green</td>
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<td>205912</td>
<td>205919</td>
<td>205918</td>
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<td></td>
<td>white</td>
<td>206004</td>
<td>206009</td>
<td>206002</td>
<td>206008</td>
</tr>
<tr>
<td>Marmorock® 22</td>
<td>golden brown</td>
<td>205924</td>
<td>205922</td>
<td>205929</td>
<td>205928</td>
</tr>
<tr>
<td></td>
<td>yellow</td>
<td>205934</td>
<td>205932</td>
<td>205939</td>
<td>205938</td>
</tr>
<tr>
<td></td>
<td>green</td>
<td>205944</td>
<td>205942</td>
<td>205949</td>
<td>205948</td>
</tr>
<tr>
<td></td>
<td>white</td>
<td>206014</td>
<td>206012</td>
<td>206019</td>
<td>206018</td>
</tr>
<tr>
<td>Marmorock® 24</td>
<td>golden brown</td>
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<td>205952</td>
<td>205959</td>
<td>205958</td>
</tr>
<tr>
<td></td>
<td>yellow</td>
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</tr>
<tr>
<td></td>
<td>white</td>
<td>206024</td>
<td>206022</td>
<td>206029</td>
<td>206028</td>
</tr>
</tbody>
</table>
**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 can be completed on it.  
Recommendation: **crown and bridge models, implant models, master models with precious/non-precious alloys, control models, checkbite-casts.**

**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: **crown and bridge models, implant models, master models with precious/non-precious alloys, control models, checkbite-casts.**

**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: **crown and bridge models, implant models, master models with precious/non-precious alloys and VMK-technique, control models, working and checkbite casts, orthodontics, very white show models.**

### Super hard stone, type 4

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

### Product Colour

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>25 kg bag REF</th>
<th>25 kg carton REF</th>
<th>4 x 5 kg bags REF</th>
<th>5 kg bag REF</th>
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</thead>
<tbody>
<tr>
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<td>206109</td>
<td>206101</td>
<td>206100</td>
</tr>
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<td>Japan-Stone</td>
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<td>200189</td>
<td>200188</td>
<td>200180</td>
</tr>
<tr>
<td></td>
<td>white</td>
<td>200174</td>
<td>200179</td>
<td>200178</td>
<td>200170</td>
</tr>
<tr>
<td>Neo Stone</td>
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<td>200882</td>
<td>200888</td>
<td>200880</td>
</tr>
<tr>
<td></td>
<td>super white</td>
<td>208834</td>
<td>208832</td>
<td>208838</td>
<td>208830</td>
</tr>
</tbody>
</table>
**Super hard stone, type 4**

[Image 343x639 to 545x774]

**Tru Stone** Natural material
Universal super hard stone for crowns and bridges, very smooth and hard surface. Its low setting expansion ensures a high accuracy of fit. Thanks to its identical expansion value and contrasting colours, ideally suited for use as a base material in conjunction with „Die Keen“.

Recommendation: crown and bridge models, implant models, master models with precious/non-precious alloys and VMK-technique, control models, working and check-bite casts.

[Image 346x498 to 548x633]

**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: crown and bridge models, implant models, master models with precious/non-precious alloys and VMK-technique, control models.

[Image 343x355 to 545x490]

**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: crown and bridge models, implant models, master models with precious/non-precious alloys, control models.

<table>
<thead>
<tr>
<th>Super hard stone, type 4</th>
<th>Tru Stone</th>
<th>Die Stone</th>
<th>Excalibur</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>pink</td>
<td>peach</td>
<td>green, white, golden brown</td>
</tr>
<tr>
<td>Water-Powder-ratio</td>
<td>24 : 100</td>
<td>22 : 100</td>
<td>22 : 100</td>
</tr>
<tr>
<td>Working time in minutes</td>
<td>5-6</td>
<td>6-7</td>
<td>7-8</td>
</tr>
<tr>
<td>Setting time in minutes</td>
<td>9-11</td>
<td>10-13</td>
<td>11-13</td>
</tr>
<tr>
<td>Setting expansion %</td>
<td>0.09</td>
<td>0.07</td>
<td>0.09</td>
</tr>
<tr>
<td>Compressive strength, after 1 hour</td>
<td>40 MPa</td>
<td>52 MPa</td>
<td>54 MPa</td>
</tr>
<tr>
<td>Compressive strength, dry</td>
<td>70 MPa</td>
<td>75 MPa</td>
<td>80 MPa</td>
</tr>
<tr>
<td>Packing</td>
<td>11,3 kg</td>
<td>22,7 kg</td>
<td>25 kg; 4 x 5 kg; 5 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>25 kg bag REF</th>
<th>25 kg carton REF</th>
<th>4 x 5 kg bags REF</th>
<th>5 kg bag REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tru Stone</td>
<td>pink</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>11,3 kg 204807</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Die Stone</td>
<td>peach</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>22,7 kg 200475</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Excalibur</td>
<td>golden brown</td>
<td>204554</td>
<td>204559</td>
<td>204558</td>
<td>204550</td>
</tr>
<tr>
<td></td>
<td>green</td>
<td>204544</td>
<td>204549</td>
<td>204548</td>
<td>204541</td>
</tr>
<tr>
<td></td>
<td>white</td>
<td>204534</td>
<td>204539</td>
<td>204538</td>
<td>204531</td>
</tr>
</tbody>
</table>

[Image 343x292 to 545x426]
Super hard stone, type 4

**Base Stone**
For the setting of dental coronae, 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 CAD-CAM systems

CAM-Stone N has been developed for opto-electronic scanning. It prevents interfering reflections in the defined wavelengths. 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 (e.g. Cerec-System), crown and bridge models, master casts with precious and non-precious alloys.*

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

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>25 kg bag REF</th>
<th>25 kg carton REF</th>
<th>4 x 5 kg bags REF</th>
<th>5 kg bag REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Stone</td>
<td>pink</td>
<td>209884</td>
<td>209889</td>
<td>209881</td>
<td>209882</td>
</tr>
<tr>
<td></td>
<td>white</td>
<td>209834</td>
<td>209839</td>
<td>209831</td>
<td>209832</td>
</tr>
<tr>
<td>Base Stone FL</td>
<td>green</td>
<td>209864</td>
<td>209869</td>
<td>209861</td>
<td>209860</td>
</tr>
<tr>
<td></td>
<td>blue</td>
<td>209854</td>
<td>209859</td>
<td>209851</td>
<td>209850</td>
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<tr>
<td></td>
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<td>209844</td>
<td>209849</td>
<td>209841</td>
<td>209840</td>
</tr>
<tr>
<td></td>
<td>deep blue</td>
<td>229854</td>
<td>229859</td>
<td>229851</td>
<td>229850</td>
</tr>
<tr>
<td>CAM-Stone N</td>
<td>salmon-coloured</td>
<td>200514</td>
<td>200519</td>
<td>200511</td>
<td>200510</td>
</tr>
<tr>
<td></td>
<td>ivory</td>
<td>205124</td>
<td>205129</td>
<td>205121</td>
<td>205120</td>
</tr>
</tbody>
</table>
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: crown and bridge models, master casts with precious and non-precious alloys, control casts.

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: crown and bridge models, master models with precious/non-precious alloys and VMK-technique, control models, working and checkbite casts, acrylic dentures.

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: crown and bridge models, master models with precious/non-precious alloys, control models, working and checkbite casts, acrylic dentures.

<table>
<thead>
<tr>
<th>Super hard stone, type 5</th>
<th>Die Keen</th>
<th>MarmoDie</th>
<th>Marmorock® E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>green, golden brown</td>
<td>green, golden brown</td>
<td>golden brown</td>
</tr>
<tr>
<td>Water-Powder-ratio</td>
<td>21 : 100</td>
<td>21 : 100</td>
<td>20 : 100</td>
</tr>
<tr>
<td>Working time in minutes</td>
<td>6-7</td>
<td>6-7</td>
<td>6-7</td>
</tr>
<tr>
<td>Setting time in minutes</td>
<td>10-13</td>
<td>10-13</td>
<td>12-14</td>
</tr>
<tr>
<td>Setting expansion %</td>
<td>0.18</td>
<td>0.20</td>
<td>0.25</td>
</tr>
<tr>
<td>Compressive strength, after 1 hour</td>
<td>40 MPa</td>
<td>45 MPa</td>
<td>60 MPa</td>
</tr>
<tr>
<td>Compressive strength, dry</td>
<td>80 MPa</td>
<td>90 MPa</td>
<td>90 MPa</td>
</tr>
<tr>
<td>Packing</td>
<td>22.7 kg</td>
<td>22.7 kg</td>
<td>25 kg; 4 x 5 kg; 5 kg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product</th>
<th>Colour</th>
<th>25 kg bag REF</th>
<th>25 kg carton REF</th>
<th>4 x 5 kg bags REF</th>
<th>5 kg bag REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Die Keen</td>
<td>green</td>
<td>22.7 kg 200469</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>golden brown</td>
<td>22.7 kg 204636</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MarmoDie</td>
<td>green</td>
<td>22.7 kg 204316</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>golden brown</td>
<td>22.7 kg 200436</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marmorock® E</td>
<td>golden brown</td>
<td>200614</td>
<td>200619</td>
<td>200611</td>
<td>200610</td>
</tr>
</tbody>
</table>
**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 acrylcs
Alginate based insulating agent for hot and cold polymersates, for gypsum casts using acrylcs. Its thin and smooth coat is resistant against scratching and insulates reliably.

- 1.000 ml bottle  
  REF 200731
- 5.000 ml canister  
  REF 200732
Auxiliary gypsum materials

**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**
Made from PMP. Clear. Graded in 1 ml.
REF 200791

**Aluminium gypsum scoop**
For gypsum and investments, size: 210 mm for approx. 160 g powder
REF 200795
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 patented 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 an 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 Technical Brochure which may be obtained from our sales representative or direct from the SILADENT technical department.
Adisil® blue 9 : 1
Addition-curing duplicating silicone for the highest standards. The leading duplicating silicone for the patented flask-less SILADENT system for over 25 years (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: 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® pink 1 : 1
A high-quality addition-curing duplicating silicone with all the prerequisites for the adhesive tape and flaking 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

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
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

<table>
<thead>
<tr>
<th>Amount</th>
<th>Components</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x 1 kg</td>
<td>A + B</td>
<td>REF 101301</td>
</tr>
<tr>
<td>2 x 6 kg</td>
<td>A + B</td>
<td>REF 101304</td>
</tr>
<tr>
<td>2 x 25 kg</td>
<td>A + B</td>
<td>REF 101307</td>
</tr>
</tbody>
</table>

Kontursil 1 : 1
Addition-curing duplicating silicone. Recommended for use 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

<table>
<thead>
<tr>
<th>Amount</th>
<th>Components</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 x 1 kg</td>
<td>A + B</td>
<td>REF 101401</td>
</tr>
<tr>
<td>2 x 6 kg</td>
<td>A + B</td>
<td>REF 101404</td>
</tr>
<tr>
<td>2 x 25 kg</td>
<td>A + B</td>
<td>REF 101407</td>
</tr>
</tbody>
</table>

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: 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

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: approx. 30 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
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: 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® 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

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

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
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 cannulamixing tips. Inclusiv 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
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 bubble-free 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.

<table>
<thead>
<tr>
<th></th>
<th>1 Duplicating cross</th>
<th>REF 101702</th>
</tr>
</thead>
</table>

### Stabilizer, white
For stabilizing the silicone mould when using the SILADENT flaskless duplicating procedure. (Patent no. DBP 36 44 997). Supplied in four sizes.

<table>
<thead>
<tr>
<th>Size</th>
<th>Dimensions</th>
<th>REF 101703, 101704, 101705, 101706</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>57 x 44 mm</td>
<td>REF 101703</td>
</tr>
<tr>
<td>2</td>
<td>62 x 48 mm</td>
<td>REF 101704</td>
</tr>
<tr>
<td>3</td>
<td>66 x 55 mm</td>
<td>REF 101705</td>
</tr>
<tr>
<td>4</td>
<td>72 x 60 mm</td>
<td>REF 101706</td>
</tr>
</tbody>
</table>

### Adhesive duplicating tape
Duplicating ring material for the patented flaskless SILADENT duplicating procedure. (Patent no. DBP 36 00 736).

<table>
<thead>
<tr>
<th></th>
<th>40 m Adhesive duplicating tape</th>
<th>REF 101707</th>
</tr>
</thead>
</table>

### 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.

<table>
<thead>
<tr>
<th></th>
<th>25 m Adhesive duplicating tape with space-maintaining adhesive surface</th>
<th>REF 101708</th>
</tr>
</thead>
</table>

### 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.

<table>
<thead>
<tr>
<th></th>
<th>REF 101709, 101713, 101710, 101714, 101711, 101715, 101712, 101716</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flask complete, size 1</td>
<td>REF 101709</td>
</tr>
<tr>
<td>Flask complete, size 2</td>
<td>REF 101713</td>
</tr>
<tr>
<td>Flask base single, size 1 (68 x 81 mm)</td>
<td>REF 101710</td>
</tr>
<tr>
<td>Flask base single, size 2 (73 x 91 mm)</td>
<td>REF 101714</td>
</tr>
<tr>
<td>Flask ring single, size 1 (68 x 81 mm)</td>
<td>REF 101711</td>
</tr>
<tr>
<td>Flask ring single, size 2 (73 x 91 mm)</td>
<td>REF 101715</td>
</tr>
<tr>
<td>Stabilizer with retention retainers, single, size 1</td>
<td>REF 101712</td>
</tr>
<tr>
<td>Stabilizer with retention retainers, single, size 2</td>
<td>REF 101716</td>
</tr>
</tbody>
</table>
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.

At SILADENT we have been developing phosphate-bonded precision investments for over 25 years. 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.

A generally faster pace of life has also had an effect on dental laboratories leading to a demand for investments which can be heated up quickly and which but still remain very precise.

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:

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 type 100 liquid!
**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.

- super fine powder, very creamy consistency
- for all kinds of pressing systems, also for large muffles
- for press to metal / press to zirconium
- super fine pressed surfaces
- easy divesting
- sufficient working time

Silavest Press should be used with SILADENT liquid type 100!

5 kg carton (= 50 x 100 g)  
REF 102003

---

**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

Silavest Gold should be used with SILADENT liquid type 100!

5 kg carton (= 32 x 160 g)  
REF 101921

20 kg carton (= 125 x 160 g)  
REF 101922

---

**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 (e.g. Empress®/Ivoclar)
- 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 liquid!
**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 divesting
- 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

<table>
<thead>
<tr>
<th>Carton</th>
<th>Weight</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 kg</td>
<td>32 x 160 g sachets</td>
<td>REF 101911</td>
</tr>
<tr>
<td>20 kg</td>
<td>125 x 160 g sachets</td>
<td>REF 101912</td>
</tr>
</tbody>
</table>

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

---

**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.

<table>
<thead>
<tr>
<th>Carton</th>
<th>Weight</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 kg</td>
<td>28 x 180 g sachets</td>
<td>REF 102101</td>
</tr>
<tr>
<td>20 kg</td>
<td>112 x 180 g sachets</td>
<td>REF 102102</td>
</tr>
<tr>
<td>20 kg</td>
<td>50 x 400 g sachets</td>
<td>REF 102103</td>
</tr>
<tr>
<td>20 kg</td>
<td>4 x 5 kg aluminium bags</td>
<td>REF 102104</td>
</tr>
</tbody>
</table>

JET 2000 should be used with SILADENT type 100 liquid!

**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

<table>
<thead>
<tr>
<th>Carton</th>
<th>Weight</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 kg</td>
<td>28 x 180 g sachets</td>
<td>REF 102201</td>
</tr>
<tr>
<td>20 kg</td>
<td>112 x 180 g sachets</td>
<td>REF 102202</td>
</tr>
<tr>
<td>20 kg</td>
<td>50 x 400 g sachets</td>
<td>REF 102203</td>
</tr>
<tr>
<td>20 kg</td>
<td>4 x 5 kg aluminium bags</td>
<td>REF 102204</td>
</tr>
</tbody>
</table>
Granisit®

For over 25 years this 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 type 100 liquid!

Granisit® RPS

A super fine phosphate bonded, graphite free precision investment for the production of partial frameworks. Granisit® RPS is usable in the conventional and speed casting technique and is developed especially for the casting of resin parts (instead of wax patterns) which are produced in the Rapid Prototyping technique.

- 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

Granisit® RPS should be used with SILADENT type 100 liquid!
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 aluminium bag  REF 202501
- 20 kg carton (4 x 5 kg aluminium bags)  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  REF 200270
- 25 kg paper bag  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 reproducible casting results

LD1 - Liquid dispenser unit  REF 264000

Expansion liquid

Two different expansion liquids are available for SILADENT phosphate-bonded SILADENT investments. SILADENT technical instructions should be closely followed in selecting and utilizing these liquids.

Expansion liquid, type 100


- 1 litre bottle  REF 102401
- 3 litre canister  REF 102402
- 10 litre canister  REF 102422
- 25 litre canister  REF 102403

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
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.

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 (Patent no. DBP 36 00 736).
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**

<table>
<thead>
<tr>
<th>Size</th>
<th>Ø inner:</th>
<th>REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>45 mm</td>
<td>102609</td>
</tr>
<tr>
<td>6</td>
<td>62 mm</td>
<td>102610</td>
</tr>
<tr>
<td>9</td>
<td>75 mm</td>
<td>102611</td>
</tr>
</tbody>
</table>

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

**Round base plates with sprue former, white**

<table>
<thead>
<tr>
<th>Size</th>
<th>REF</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>102612</td>
</tr>
<tr>
<td>6</td>
<td>102613</td>
</tr>
<tr>
<td>9</td>
<td>102614</td>
</tr>
</tbody>
</table>
Silicone sleeves, model form
For economic, direct investing with the model-shaped base plate.
- 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
<table>
<thead>
<tr>
<th>Size</th>
<th>Ø</th>
<th>mm</th>
<th>Ref</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>70</td>
<td>x 55</td>
<td>102617</td>
</tr>
<tr>
<td>1</td>
<td>75</td>
<td>x 60</td>
<td>102603</td>
</tr>
<tr>
<td>2</td>
<td>80</td>
<td>x 65</td>
<td>102604</td>
</tr>
<tr>
<td>3</td>
<td>90</td>
<td>x 75</td>
<td>102605</td>
</tr>
</tbody>
</table>

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
<table>
<thead>
<tr>
<th>Size</th>
<th>Ø</th>
<th>mm</th>
<th>Ref</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>70</td>
<td>x 55</td>
<td>102622</td>
</tr>
<tr>
<td>1</td>
<td>75</td>
<td>x 60</td>
<td>102606</td>
</tr>
<tr>
<td>2</td>
<td>80</td>
<td>x 65</td>
<td>102607</td>
</tr>
<tr>
<td>3</td>
<td>90</td>
<td>x 75</td>
<td>102608</td>
</tr>
</tbody>
</table>

Base plate Model-shaped, with sprue-former
<table>
<thead>
<tr>
<th>Size</th>
<th>Ø</th>
<th>mm</th>
<th>Ref</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>70</td>
<td>x 55</td>
<td>102618</td>
</tr>
<tr>
<td>1</td>
<td>75</td>
<td>x 60</td>
<td>102619</td>
</tr>
<tr>
<td>2</td>
<td>80</td>
<td>x 65</td>
<td>102620</td>
</tr>
<tr>
<td>3</td>
<td>90</td>
<td>x 75</td>
<td>102621</td>
</tr>
</tbody>
</table>

Silicone Sleeves Ceram
For all well known press-ceramic systems (e.g. Degudent, Ivoclar)
- 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.
**Investments accessories**

**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

**Plunger Aluoxid**
- manufactured from high purity aluminium oxide
- reusable many times
- no micro cracks in the sprues
- suitable for all pressable ceramic systems

Content: 2 pieces
Ø 12,00 mm, size 37 mm
Plunger Aluoxid, 2 pieces

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

Available in 2 diameters: Ø 12 mm (e.g. Empress®/Ivoclar) and Ø 13 mm (e.g. e.max®/Ivoclar). Content: 50 pieces

Disposable Plunger, Ø 12 mm, 50 pieces
Disposable Plunger, Ø 13 mm, 50 pieces

**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.
**Wax wire**
On spools, cross-section: round, colour: blue.
- Residue-free burnout
- Malleable, non-brittle

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Weight</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 2,0 mm</td>
<td>250 g</td>
<td>REF 103103</td>
</tr>
<tr>
<td>Ø 2,5 mm</td>
<td>250 g</td>
<td>REF 103106</td>
</tr>
<tr>
<td>Ø 3,0 mm</td>
<td>250 g</td>
<td>REF 103104</td>
</tr>
<tr>
<td>Ø 3,5 mm</td>
<td>250 g</td>
<td>REF 103105</td>
</tr>
<tr>
<td>Ø 4,0 mm</td>
<td>250 g</td>
<td>REF 103107</td>
</tr>
<tr>
<td>Ø 5,0 mm</td>
<td>250 g</td>
<td>REF 103108</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Weight</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 0,8 mm</td>
<td>25 g</td>
<td>REF 103101</td>
</tr>
<tr>
<td>Ø 1,2 mm</td>
<td>37,5 g</td>
<td>REF 103102</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Weight</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>small Ø 6 mm</td>
<td>250 pces.</td>
<td>REF 103203</td>
</tr>
<tr>
<td>medium Ø 7 mm</td>
<td>250 pces.</td>
<td>REF 103204</td>
</tr>
<tr>
<td>large Ø 8 mm</td>
<td>200 pces.</td>
<td>REF 103205</td>
</tr>
<tr>
<td>Set (small, medium, large)</td>
<td></td>
<td>REF 103299</td>
</tr>
</tbody>
</table>

**Perawax NEM**
Sprues with a larger head diameter and channel cross section. Especially developed for the casting technique of non precious alloys.

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Weight</th>
<th>Ref.</th>
</tr>
</thead>
<tbody>
<tr>
<td>small Ø 7 mm</td>
<td>150 pces.</td>
<td>REF 103250</td>
</tr>
<tr>
<td>medium Ø 8 mm</td>
<td>150 pces.</td>
<td>REF 103251</td>
</tr>
<tr>
<td>large Ø 9 mm</td>
<td>120 pces.</td>
<td>REF 103252</td>
</tr>
<tr>
<td>Assortment</td>
<td>210 pces.</td>
<td>REF 103253</td>
</tr>
</tbody>
</table>

**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.

100 Polishing sticks REF 103001

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

12 Mandrels REF 103002
Investments accessories

Diafilz Felt Points
Mounted felt points for applying diamond polishing pastes D7 and D15.
12 Diafilz REF 103003

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

Occlutop
Rearruncate your investment model perfectly using the patented Occlutop rearticulating device designed by Herbert Kuntze, Master Dental Technician.
Starter set REF 139000
Tripod REF 139010
Articulation pins with casings, pack of 100 ea. REF 139020
Pin casings, pack of 100 REF 139030

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, 1 x 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
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 one-piece-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

**Composition:** (in % by mass)  
Co 53.00
Cr 27.25
Mo 6.00
W 5.50
Si 1.25
Mn

**Other constituents:**

**Technical data:** (guidelines)
- Proof stress 0.2 % (MPa)  500
- Elongation at rupture (%)  6
- Modulus of elasticity (GPa)  210
- Coefficient of expansion 25°C-500°C  14.0 \times 10^{-6} K^{-1}
- Tensile strength (MPa)  830
- Vickers hardness HV 10  310
- Density (g/cm³)  8.6
- Melting range (°C)  1.355-1.385
- Casting temperature (°C)  1.050

Date of information: 02/2014
**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
  - Gr. 1 - REF 102606
  - Gr. 2 - REF 102607
  - Gr. 3 - REF 102608
- **Duplication cross** (page 30) - REF 101702
- **Stabilizer, white**
  - 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

**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

**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 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

**Grind & Polish starter set**
3 x Conofix emery paper mandrel (0° or 2°); Conofix emery paper in 120/240/600 µm, 10 of each; Kemp brushes (5 x hard, 5 x soft), 10 x felt points; 200 g TEK-1 POL.

- Shank 2,35 mm, 2°  REF 261501
- Shank 2,35 mm, 0°  REF 261502
- Shank 3,0 mm, 2°  REF 261503
- Shank 3,0 mm, 0°  REF 261504

**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.

*only available after a TEK-1 training course  REF 261500
## Overview of CoCr alloys for removable dentures

<table>
<thead>
<tr>
<th>Area of application:</th>
<th>Modiral® S</th>
<th>Biral 2000 H</th>
<th>V-Alloy II</th>
<th>V-Alloy FG</th>
</tr>
</thead>
</table>

| Characteristics: | Modiral® S is a universal alloy for partial denture frameworks with clasps. This 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. |

<table>
<thead>
<tr>
<th>Composition:</th>
<th>Co</th>
<th>Cr</th>
<th>Mo</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>62.0</td>
<td>31.0</td>
<td>5.0</td>
</tr>
<tr>
<td></td>
<td>63.0</td>
<td>30.0</td>
<td>6.0</td>
</tr>
<tr>
<td></td>
<td>64.0</td>
<td>29.0</td>
<td>6.0</td>
</tr>
<tr>
<td></td>
<td>63.4</td>
<td>28.85</td>
<td>6.1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other &lt;1%:</th>
<th>Si, C, Mn</th>
<th>Si, C, Mn, Fe</th>
<th>Si, C, Mn, Fe</th>
<th>Si, Mn, Fe</th>
</tr>
</thead>
</table>

| 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: 02/2014

<table>
<thead>
<tr>
<th></th>
<th>Modiral® S</th>
<th>Biral 2000 H</th>
<th>V-Alloy II</th>
<th>V-Alloy FG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Proof stress 0,2 % (MPa)</strong></td>
<td>650</td>
<td>627</td>
<td>579</td>
<td>577</td>
</tr>
<tr>
<td><strong>Elongation at rupture (%)</strong></td>
<td>5,0</td>
<td>4,5</td>
<td>6,3</td>
<td>16</td>
</tr>
<tr>
<td><strong>Modulus of elasticity (GPa)</strong></td>
<td>220</td>
<td>209</td>
<td>211</td>
<td>200</td>
</tr>
<tr>
<td><strong>Vickers hardness HV 10</strong></td>
<td>350</td>
<td>377</td>
<td>386</td>
<td>327</td>
</tr>
<tr>
<td><strong>Density (g/cm³)</strong></td>
<td>8,3</td>
<td>8,3</td>
<td>8,4</td>
<td>8,3</td>
</tr>
<tr>
<td><strong>Melting range (°C)</strong></td>
<td>1.280 – 1.360</td>
<td>1.363 - 1.422</td>
<td>1.350 – 1.406</td>
<td>1.300 – 1.370</td>
</tr>
<tr>
<td><strong>Casting temperature (°C)</strong></td>
<td>1.340</td>
<td>1.460</td>
<td>1.445</td>
<td>1.510</td>
</tr>
</tbody>
</table>
# Overview of non precious alloys for metal ceramics

**Keralloy® KB**
- Non precious casting alloy based on cobalt for metal-ceramic accord. DIN EN ISO 22674, type 5.
- 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**
- Non precious casting alloy based on cobalt for metal-ceramic accord. DIN EN ISO 22674, type 4.
- **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**
- Non precious casting alloy based on nickel for metal-ceramic accord. DIN EN ISO 22674, type 4.
- **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. ...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**
- Non precious casting alloy based on nickel for metal-ceramic accord. DIN EN ISO 22674, type 3.
- **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.

<table>
<thead>
<tr>
<th>Area of application</th>
<th>Keralloy® KB</th>
<th>Keralloy® FG</th>
<th>TEK-1 LEG</th>
<th>Keralloy® N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Characteristics:</td>
<td>Because of the low vickers hardness <strong>Keralloy® KB</strong> 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. <strong>Keralloy® KB</strong> is high corrosion-resistant and free of beryllium, indium and gallium.</td>
<td><strong>Keralloy® FG</strong> 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. <strong>Keralloy® FG</strong> can be used with all standard high-sintering bonding porcelains.</td>
<td><strong>TEK-1 LEG</strong> 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. <strong>TEK-1 LEG</strong> can be used with all standard high-sintering bonding porcelains.</td>
<td><strong>Keralloy® N</strong> is a high corrosion resistant bonding alloy based on nickel. <strong>Keralloy® N</strong> is applicable for the laser technique and convinces through the low oxidation during the porcelain firings, also after several firing cycles. <strong>Keralloy® N</strong> can be used with all standard high-sintering bonding porcelains and is free of beryllium.</td>
</tr>
<tr>
<td>Composition:</td>
<td>Co 64.0</td>
<td>Cr 21.0</td>
<td>Mo 6.0</td>
<td>W 6.0</td>
</tr>
<tr>
<td>Other &lt;1%:</td>
<td>Si, Fe, Mn</td>
<td>Si, Mn</td>
<td>Mn</td>
<td>C, Al, Mn</td>
</tr>
<tr>
<td>Packing:</td>
<td>100 g REF 102804</td>
<td>100 g REF 128056</td>
<td>500 g REF 261200</td>
<td>1.000 g REF 128165</td>
</tr>
</tbody>
</table>
### Overview of non precious alloys for metal ceramics

(Technical data according DIN EN ISO 22674)

Date of information: 02/2014

<table>
<thead>
<tr>
<th>Kerally® KB</th>
<th>Kerally® FG</th>
<th>TEK-1 LEG</th>
<th>Kerally® N</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Proof stress 0,2 % (MPa)</strong></td>
<td>570</td>
<td>577</td>
<td>500</td>
</tr>
<tr>
<td><strong>Elongation at rupture (%)</strong></td>
<td>10</td>
<td>16</td>
<td>6</td>
</tr>
<tr>
<td><strong>Modulus of elasticity (GPa)</strong></td>
<td>194</td>
<td>210</td>
<td>210</td>
</tr>
<tr>
<td><strong>CTE 25-500 °C</strong></td>
<td>$14.1 \times 10^{-6} \text{ K}^{-1}$</td>
<td>$14.7 \times 10^{-6} \text{ K}^{-1}$</td>
<td>$14.0 \times 10^{-6} \text{ K}^{-1}$</td>
</tr>
<tr>
<td><strong>CTE 25-600 °C</strong></td>
<td>$14.6 \times 10^{-6} \text{ K}^{-1}$</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Tensile strength (MPa)</strong></td>
<td>734</td>
<td>830</td>
<td>830</td>
</tr>
<tr>
<td><strong>Vickers hardness HV 10</strong></td>
<td>286</td>
<td>310</td>
<td>310</td>
</tr>
<tr>
<td><strong>Density (g/cm³)</strong></td>
<td>8.8</td>
<td>8.4</td>
<td>8.6</td>
</tr>
<tr>
<td><strong>Melting range (°C)</strong></td>
<td>1309 – 1417</td>
<td>1370 – 1430</td>
<td>1355 – 1385</td>
</tr>
<tr>
<td><strong>Casting temperature (°C)</strong></td>
<td>1460</td>
<td>1500</td>
<td>1500</td>
</tr>
<tr>
<td><strong>Max. oxide firing temperature (°C):</strong></td>
<td>935</td>
<td>1050</td>
<td>1050</td>
</tr>
<tr>
<td><strong>Recommended investments</strong></td>
<td>TeleVest, Premium, Presto Vest II</td>
<td>TeleVest, Premium, Presto Vest II</td>
<td>TEK-1 Vest</td>
</tr>
</tbody>
</table>
### 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
- **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. 0.6 g (26 cm x 0.5 mm)  REF 102806

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

- **5 g**  REF 128071
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:**
- Total upper and lower dentures
- Completion of model cast dentures
- Indirect relinings
- Partial upper and lower dentures
- Dilatations 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® lab set, 100 g + 100 ml, pink  REF 253020
SilaPress® lab set, 100 g + 100 ml, pink opaque  REF 253021
SilaPress® lab set, 100 g + 100 ml, transparent  REF 253022

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:**
- Total upper and lower dentures
- Completion of model cast dentures
- Indirect relinings
- Partial upper and lower dentures
- Dilatations 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
SilaPress® Vario lab set, 100 g + 100 ml, pink  REF 253121
SilaPress® Vario lab set, 100 g + 100 ml, rosa opak  REF 253122
SilaPress® Vario lab set, 100 g + 100 ml, transparent  REF 253123

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
SilaDon lab set, 100 g + 100 ml, pink  REF 253221
SilaDon lab set, 100 g + 100 ml, pink opaque  REF 253222
SilaDon lab set, 100 g + 100 ml, transparent  REF 253223
**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*  
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
**Starter set silicone**
For the start into the SilaPress resin pouring system with silicone embedding. Content: 1 kg SilaPress - powder, 1.000 ml SilaPress - liquid, 2 x 1,0 kg Kontursil, 20 ml SilaPress - Bonding, 500 ml Marmosep K, SilaPress flask S.*

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starter set silicone, powder = SilaPress® pink</td>
<td>REF 253300</td>
</tr>
<tr>
<td>Starter set silicone, powder = SilaPress® pink opaque</td>
<td>REF 253301</td>
</tr>
<tr>
<td>Starter set silicone, powder = SilaPress® transparent</td>
<td>REF 253302</td>
</tr>
</tbody>
</table>

*The flask is optionally available and not part of the starter set.

**Starter set gel**
For the start into the SilaPress resin pouring system with gel embedding. Content: 1 kg SilaPress - powder, 1.000 ml SilaPress - liquid, 3 kg Marmogel, 20 ml SilaPress - bonding, 500 ml Marmosep K, SilaPress flask G.*

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Starter set gel, powder = SilaPress® pink</td>
<td>REF 253350</td>
</tr>
<tr>
<td>Starter set gel, powder = SilaPress® pink opaque</td>
<td>REF 253351</td>
</tr>
<tr>
<td>Starter set gel, powder = SilaPress® transparent</td>
<td>REF 253352</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Product Description</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.000 ml bottle</td>
<td>REF 200731</td>
</tr>
<tr>
<td>5.000 ml canister</td>
<td>REF 200732</td>
</tr>
</tbody>
</table>
Abrasives

**Aluminum 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**
Quartz-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.

<table>
<thead>
<tr>
<th>Size</th>
<th>Package</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>fine</td>
<td>25 kg paper bag</td>
<td>REF 200354</td>
</tr>
<tr>
<td>fine</td>
<td>20 kg carton</td>
<td>REF 200359</td>
</tr>
<tr>
<td>fine</td>
<td>4 x 5 kg bags</td>
<td>REF 200351</td>
</tr>
<tr>
<td>fine</td>
<td>5 kg bag</td>
<td>REF 200350</td>
</tr>
<tr>
<td>medium</td>
<td>25 kg paper bag</td>
<td>REF 200364</td>
</tr>
<tr>
<td>medium</td>
<td>20 kg carton</td>
<td>REF 200369</td>
</tr>
<tr>
<td>medium</td>
<td>4 x 5 kg bags</td>
<td>REF 200361</td>
</tr>
<tr>
<td>medium</td>
<td>5 kg bag</td>
<td>REF 200360</td>
</tr>
<tr>
<td>coarse</td>
<td>25 kg paper bag</td>
<td>REF 200374</td>
</tr>
<tr>
<td>coarse</td>
<td>20 kg carton</td>
<td>REF 200379</td>
</tr>
<tr>
<td>coarse</td>
<td>4 x 5 kg bags</td>
<td>REF 200371</td>
</tr>
<tr>
<td>coarse</td>
<td>5 kg bag</td>
<td>REF 200370</td>
</tr>
</tbody>
</table>

**Pumice Disinfectant**
This disinfectant is used instead of water for the mixing of the pumice slurry and formaldehyde-free. You can add any amount of disinfectant later without problems. Pumice disinfectant kills all germs in the slurry as it is highly fungicidal, bactericidal and tuberculocidal. Skin-care additives are gentle to your hands. The pumice slurry should be replaced completely after three weeks.

<table>
<thead>
<tr>
<th>Size</th>
<th>Package</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.000 ml</td>
<td>bottle</td>
<td>REF 203801</td>
</tr>
<tr>
<td>5.000 ml</td>
<td>canister</td>
<td>REF 203802</td>
</tr>
</tbody>
</table>

**Sterile Pumice**
Sterile and bactericidal pumice paste for prepolishing of acrylic dentures, completely free of quartz. It simply has to be mixed with water. Our sterile pumice stone is gentle to your skin, has an antibacterial effect and a pleasant smell.

<table>
<thead>
<tr>
<th>Size</th>
<th>Package</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 kg</td>
<td>bucket</td>
<td>REF 200386</td>
</tr>
<tr>
<td>10 kg</td>
<td>bucket</td>
<td>REF 200383</td>
</tr>
<tr>
<td>5 kg</td>
<td>bucket</td>
<td>REF 200381</td>
</tr>
</tbody>
</table>
## Abrasives

### 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.

<table>
<thead>
<tr>
<th>Product</th>
<th>Quantity</th>
<th>Package Type</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOX fine</td>
<td>25 kg</td>
<td>paper bag</td>
<td>REF 209114</td>
</tr>
<tr>
<td>DOX fine</td>
<td>25 kg</td>
<td>carton</td>
<td>REF 209119</td>
</tr>
<tr>
<td>DOX fine</td>
<td>4 x 5 kg</td>
<td>bags</td>
<td>REF 209111</td>
</tr>
<tr>
<td>DOX fine</td>
<td>5 kg</td>
<td>bag</td>
<td>REF 209110</td>
</tr>
<tr>
<td>DOX medium</td>
<td>25 kg</td>
<td>paper bag</td>
<td>REF 209014</td>
</tr>
<tr>
<td>DOX medium</td>
<td>25 kg</td>
<td>carton</td>
<td>REF 209019</td>
</tr>
<tr>
<td>DOX medium</td>
<td>4 x 5 kg</td>
<td>bags</td>
<td>REF 209011</td>
</tr>
<tr>
<td>DOX medium</td>
<td>5 kg</td>
<td>bag</td>
<td>REF 209010</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Product</th>
<th>Quantity</th>
<th>Package Type</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poliresin®</td>
<td>2 kg</td>
<td>paper bag</td>
<td>REF 200420</td>
</tr>
<tr>
<td></td>
<td>box with 4 x 2 kg</td>
<td>paper bags</td>
<td>REF 200421</td>
</tr>
<tr>
<td></td>
<td>10 kg</td>
<td>paper bag</td>
<td>REF 200423</td>
</tr>
<tr>
<td></td>
<td>10 kg</td>
<td>carton</td>
<td>REF 200424</td>
</tr>
</tbody>
</table>

### 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.

<table>
<thead>
<tr>
<th>Product</th>
<th>Quantity</th>
<th>Package Type</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harz Pumice Mouse</td>
<td>approx. 80 g</td>
<td></td>
<td>REF 200380</td>
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</tbody>
</table>

### Diamond Polishing Paste D7
Fine-particle diamond polishing paste for polishing dental alloys. Produces a highly-polished high lustre metal surface.

<table>
<thead>
<tr>
<th>Product</th>
<th>Quantity</th>
<th>Package Type</th>
<th>Reference</th>
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</thead>
<tbody>
<tr>
<td>Diamond Polishing Paste D7</td>
<td>5 ml</td>
<td></td>
<td>REF 103004</td>
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</table>

### Diamond Polishing Paste D15
This very abrasive diamond polishing paste is suitable for smoothing fitting surfaces in CrCo appliances.

<table>
<thead>
<tr>
<th>Product</th>
<th>Quantity</th>
<th>Package Type</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diamond Polishing Paste D15</td>
<td>5 ml</td>
<td></td>
<td>REF 103005</td>
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</tbody>
</table>

### 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

<table>
<thead>
<tr>
<th>Product</th>
<th>Quantity</th>
<th>Package Type</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silapolish fluid</td>
<td>50 ml</td>
<td></td>
<td>REF 103012</td>
</tr>
</tbody>
</table>
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

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. They are supplied in a set or separately in various degrees of taper.

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
**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**
2 scannable sprays, Colour: white
Characteristics:
- 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

**Extra**
Applications:
- Suitable for all CAD-CAM systems
- For the direct intraoral application to the preparation
- Also usable for all dental gypsum (extraoral)

MarmoScan-Spray Extra, 50 ml can  REF 250020

**Standard**
Applications:
- Suitable for all CAD-CAM systems
- For the direct application to gypsum model

MarmoScan-Spray Standard, 50 ml can  REF 250021
CoCr BioStar
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 98.5 mm, H 08 mm REF 128200
CoCr BioStar with shoulder Ø 98.5 mm, H 10 mm REF 128201
CoCr BioStar with shoulder Ø 98.5 mm, H 12 mm REF 128202
CoCr BioStar with shoulder Ø 98.5 mm, H 13.5 mm REF 128203
CoCr BioStar with shoulder Ø 98.5 mm, H 15 mm REF 128204
CoCr BioStar with shoulder Ø 98.5 mm, H 18 mm REF 128205
CoCr BioStar with shoulder Ø 98.5 mm, H 20 mm REF 128206
CoCr BioStar with shoulder Ø 98.5 mm, H 24.5 mm REF 128207

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 designes. 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
Polya BioStar Plus

Polya BioStar Plus are milling discs for the production of permanent and provisional restorations made for the chip-ping process in the CAD/CAM technology. Base is an industrial, high-meshed thermoplastic acrylic polymer.

- ideal for allergy sufferers
- plaque resistant and biocompatible
- colour fidelity and high translucency
- abrasion stable, high bending & breaking strength
- residual monomer (below 0.1 %)
- cost efficient crowns and bridges (welfare case)
- available in 5 tooth colours (A2, B2, A1/B1, A3, A4/B4) and 2 heights (15 mm and 20 mm)

Polya BioStar Plus, A2 Ø 98.5 mm, H 15 mm REF 250100
Polya BioStar Plus, A2 Ø 98.5 mm, H 20 mm REF 250101
Polya BioStar Plus, B2 Ø 98.5 mm, H 15 mm REF 250102
Polya BioStar Plus, B2 Ø 98.5 mm, H 20 mm REF 250103
Polya BioStar Plus, A1/B1 Ø 98.5 mm, H 15 mm REF 250104
Polya BioStar Plus, A1/B1 Ø 98.5 mm, H 20 mm REF 250105
Polya BioStar Plus, A3 Ø 98.5 mm, H 15 mm REF 250106
Polya BioStar Plus, A3 Ø 98.5 mm, H 20 mm REF 250107
Polya BioStar Plus, A4/B4 Ø 98.5 mm, H 15 mm REF 250108
Polya BioStar Plus, A4/B4 Ø 98.5 mm, H 20 mm REF 250109

PMMA BioStar Splint

PMMA BioStar Splint discs are transparent milling discs for the production of drill guides, splints and objects made for the chipping process in the CAD/CAM technology. Base is an industrial, high meshed thermoplastic acrylic polymer. For PMMA BioStar Splint only granulated, medically tested PMMA raw material which is polymerized in a special process and which has no toxic or allergic accessories is used. The remaining monomer is in ligated form less than 0.5 %. PMMA BioStar Splint is available in the heights 15 and 20 mm.

PMMA BioStar Splint, transparent, Ø 98.5 mm, H 15 mm REF 250120
PMMA BioStar Splint, transparent, Ø 98.5 mm, H 20 mm REF 250121
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) and in the sizes of 14 mm and 18 mm (Ø 98.5 mm with shoulder).

- PMMA BioStar transparent, H 14 mm  REF 250050
- PMMA BioStar transparent, H 18 mm  REF 250051
- PMMA BioStar blue, H 14 mm        REF 250055
- PMMA BioStar blue H 18 mm          REF 250056
- PMMA BioStar ivory, H 14 mm        REF 250058
- PMMA BioStar ivory, H 18 mm        REF 250059

Marmoplast® BioStar
A special gypsum blank for the use in dental milling machines with an extraordinary edge stability, produced from resin reinforced super hard stone for the milling process of digital impressions. Colour: ivory.

- Marmoplast® BioStar, 10 pieces  Ø 98.5 mm, H 30 mm  REF 250060
- Marmoplast® BioStar, 1 piece  Ø 98.5 mm, H 30 mm  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.

The pre-sintered blanks are eminently suitable for all open machining and have excellent edge stability. On account of the special production process, extremely constant firing shrinkage is achieved, even over different batches, meaning that in most cases it is not necessary to adjust the enlargement factor on the CAD/CAM unit. Only diamond-charged grinding tools or hard metal tools are to be used for machining.

The material types Zirkon BioStar and Zirkon BioStar Z differ regarding the strength value achievable after the final sintering and contain a different amount of aluminium oxide. They differ in the manner of whiteness and translucency and both show a different resistance against hydrothermal aging. Zirkon BioStar Colour is already persistent coloured in the pre-sintered stage.

¹Zirkon BioStar  \( Al_2O_3 = 0,25 \pm 0,10 \text{ wt\%} \)
²Zirkon BioStar Z  \( Al_2O_3 = < 0,1 \text{ wt\%} \)
Zirkon BioStar

Zirkon BioStar is a white zirconium dioxide with a content of aluminium oxide for a better hydrothermal 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 presintered 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

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 7 different colours (100, 200, 500, 800, 1000, sunny, sunny light).

Colour orientation compared to the VITA-Colour code:

- 000 = high translucent, white
- 100 = brilliant
- 200 = A1 / clear
- 500 = A1 / A2 translucent
- 800 = A3 / B3 translucent
- sunny
- 1000 = C2 / C3 translucent
- sunny light

Zirkon BioStar S

Pre-sintered blocks made of zirconium dioxide especially for the use with the Sirona inLab® und inLab® MCXL system.*

- 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® and inLab® MCXL system is a registered trademark of the manufacturer.
<table>
<thead>
<tr>
<th>Product description</th>
<th>Colour</th>
<th>REF H 10 mm</th>
<th>REF H 12 mm</th>
<th>REF H 14 mm</th>
<th>REF H 16 mm</th>
<th>REF H 18 mm</th>
<th>REF H 20 mm</th>
<th>REF H 22 mm</th>
<th>REF H 25 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zirkon BioStar with shoulder</td>
<td>white opaque</td>
<td>252001</td>
<td>252002</td>
<td>252003</td>
<td>252004</td>
<td>252005</td>
<td>252006</td>
<td>252007</td>
<td>252008</td>
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<tr>
<td>Zirkon BioStar Z with shoulder</td>
<td>white translucent</td>
<td>252021</td>
<td>252022</td>
<td>252023</td>
<td>252024</td>
<td>252025</td>
<td>252026</td>
<td>252027</td>
<td>252028</td>
</tr>
<tr>
<td>Zirkon BioStar Colour with shoulder</td>
<td>500</td>
<td>252051</td>
<td>252052</td>
<td>252053</td>
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<td>252064</td>
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<tr>
<td>Zirkon BioStar Colour with shoulder</td>
<td>1333</td>
<td>252111</td>
<td>252112</td>
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<tr>
<td>Zirkon BioStar Colour with shoulder</td>
<td>2000</td>
<td>252121</td>
<td>252122</td>
<td>252123</td>
<td>252124</td>
<td>252125</td>
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<tr>
<td>Zirkon BioStar HT with shoulder</td>
<td>white high translucent</td>
<td>-</td>
<td>252520</td>
<td>252521</td>
<td>-</td>
<td>252522</td>
<td>252523</td>
<td>-</td>
<td>252524</td>
</tr>
<tr>
<td>Zirkon BioStar HT Colour with shoulder</td>
<td>100</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>252611</td>
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<tr>
<td>Zirkon BioStar HT Colour with shoulder</td>
<td>200</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>252621</td>
<td>-</td>
<td>252623</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Zirkon BioStar HT Colour with shoulder</td>
<td>500</td>
<td>-</td>
<td>-</td>
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<td>252631</td>
<td>-</td>
<td>252633</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Zirkon BioStar HT Colour with shoulder</td>
<td>800</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>252641</td>
<td>-</td>
<td>252643</td>
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</tr>
<tr>
<td>Zirkon BioStar HT Colour with shoulder</td>
<td>1000</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>252651</td>
<td>-</td>
<td>252653</td>
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</tr>
<tr>
<td>Zirkon BioStar HT Colour with shoulder</td>
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<td>-</td>
<td>-</td>
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<tr>
<td>Zirkon BioStar HT Colour with shoulder</td>
<td>sunny light</td>
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<td>-</td>
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<td>252671</td>
<td>-</td>
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<table>
<thead>
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<th>REF 40 x 15 x 14 mm pack of 10 pieces</th>
<th>REF 40 x 19 x 15.5 mm pack of 10 pieces</th>
<th>REF 55 x 19 x 15.5 mm piece</th>
<th>REF 65 x 25 x 22 mm piece</th>
<th>REF 85 x 40 x 22 mm piece</th>
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Zirkon BioStar S with holder for Sirona inLab® and inLab® MCXL system*
*Sirona inLab® und inLab® MCXL System is a registered trademark of the manufacturs.

Other sizes are on request available.
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

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<tr>
<th>Zirkon BioStar PrePolisher</th>
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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

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LS = lense
FL = flame
RD = wheel WZ = roll
SilaMill 5

- five-axes-simultaneous-milling machine
- rotation angle of ± 30 degrees
- automatic tool changer for 16 tools
- very easy operation via provided CAM software DentalCAM with Direct-Mill function
- no previous knowledge in milling necessary
- Special Cam module for partial denture frameworks
- also usable for milling of CoCr blanks

Optional available:
- with an automatic blank changer for 8 blanks - SilaMill 5.8
- wet grinding option via external pump for processing glass ceramic preparations

For closer information please contact your SILADENT sales agent.
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 overcasts-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
**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
**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 countdown / up. Easy handling with magnet and clippe. Large digit, extra loud sound.

**Siladent**
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 new edition (update 2009) 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 new edition (2007) 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
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Zirkon BioStar Z 62
Fax Order

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

Fax-No. +49 (0) 53 21/38 96 32

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All prices are to be understood ex works.