

DENTAL ENGINEERING



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MODEL FABRICATION

DENTAL STONES

Colorstone® SH

Resin reinforced super hard stone class IV (EN ISO 6873)



To prepare dental arches, individual dies and control models for crowns and bridges and ceramic work. Colorstone® SH excels by virtue of its extremely low setting expansion (< 0.10%). Colorstone® SH meets highest demands on processing properties and surface quality. The surfaces of the hardened models are smooth and hard and feature stable and fracture-resistant edges, yet Colorstone® SH will not spall during sawing and trimming. Colorstone® SH is also suitable for alginate and hydrocolloid impressions.

Technical data

Mixing ratio	18-20 ml demin. water : 100 g powder
Processing time	approx. 9 min. (22 °C)
Setting expansion	< 0.10%
Compressive strength	> 65 N/mm ² (24 h)
Colour	white, yellow, apricot, green, light grey, grey

Supply form Art. no.

5 kg	5000-5
10 kg	5010-5
20 kg	5020-5
25 kg	5030-5

Colorstone® SH ivory

Resin reinforced super hard stone class IV (EN ISO 6873)

Especially high edge strength for saw-cut models

Advantages:

- good flowability
- capable of being built-up
- long processing time: up to 3 dental arches, especially high compressive strength and edge stability

Technical data

Mixing ratio	18-20 ml demin. water : 100 g powder
Processing time	approx. 9 min. (22 °C)
Setting expansion	< 0.10%
Compressive strength	> 65 N/mm ² (24 h)
Colour	ivory

Supply form Art. no.

5 kg	5006
10 kg	5017
20 kg	5026
25 kg	5036

Colorstone® HST

Thixotropic super-hard stone class IV (EN ISO 6873)



To prepare dental arches, individual dies and control models for crowns and bridges and ceramic work. Colorstone® HST can be easily vibrated into the mould and still features high stability for further build-up. Colorstone® HST exhibits very low setting expansion (< 0.10%). The surfaces of the hardened models are smooth and hard and feature stable and fracture-resistant edges that will not spall during processing. Colorstone® HST is also suitable for alginate and hydrocolloid impressions.

Technical data

Mixing ratio	20 ml demin. water : 100 g powder
Processing time	approx. 5-6 min. (22 °C)
Setting expansion	< 0.10%
Compressive strength	> 65 N/mm ² (24 h)
Colour	cream

Supply form Art. no.

5 kg	5100
10 kg	5110
20 kg	5120
25 kg	5130

Colorstone® fluid

Easily flowing base material (resin reinforced class IV EN ISO 6873) featuring low setting expansion



To prepare bases for arches in the split-cast technique. The surfaces of the hardened base plate of Colorstone® fluid are smooth and hard and feature stable and fracture-resistant edges that will not spall during sawing and trimming.

Technical data	
Mixing ratio	23 ml demin. water : 100 g powder
Processing time	approx. 6-8 min. (22 °C)
Setting expansion	< 0.10%
Compressive strength	-
Colour	raspberry red, royal blue

Supply form	Art. no.
5 kg	5200-1
10 kg	5210-1
20 kg	5220-1

Duraplast

Synthetic stone - class III (EN ISO 6873)



To prepare antagonist models as well as master and working models in the model casting and acrylic technique. The very low setting expansion (< 0.15%) makes Duraplast the ideal stone for antagonist models and bases in the split-cast technique. The surfaces of the hardened models are very smooth and abrasion-resistant.

Technical data	
Mixing ratio	30 ml demin. water : 100 g powder
Processing time	approx. 6 min. (22 °C)
Setting expansion	< 0.15%
Compressive strength	> 30 N/mm ² (24 h)
Colour	yellow, blue

Supply form	Art. no.
5 kg	5300-1
10 kg	5310-1
20 kg	5320-1
25 kg	5330-1

Artigips

Rapidly setting articulation stone



To fix working models in the articulator and position relinings. Artigips is also suitable for orthodontic work. Artigips convinces with its precision and low setting expansion (< 0.08%).

Technical data	
Mixing ratio	30 ml demin. water : 100 g powder
Processing time:	approx. 2 min. (22 °C)
Setting expansion:	< 0.08%
Compressive strength:	> 20 N/mm ² (24 h)
Colour:	white

Supply form	Art. no.
5 kg	5400
10 kg	5410
20 kg	5420
25 kg	5430

MODEL FABRICATION

PLASTER REMOVING AGENTS & SURFACTANTS

Fegu-Solv

Powerful plaster removing agent



To remove any plaster and investment material residues (plaster-bonded). Impression trays which still contain alginate or cement residue (glass ionomer or phosphate-based) can also be cleaned easily with Fegu-Solv, just like sinks with lime-scale encrustations. Fegu-Solv is most effective when it is used in an ultrasonic unit at a temperature range of 35 - 45 °C.

Not suitable for use with foodstuffs. Ready-to-use solution.

Colour: green

Supply form	Art. no.
1000 ml	5095
5000 ml	5097

Fegu-Solv super

Effervescent and especially effective plaster solvent



To remove plaster and investment residues (plaster-bonded) from mixing bowls, acrylic dentures and castings. Hard to reach locations and impression trays that still contain alginate and cement residues (glass ionomer and phosphate-based) can be easily and quickly cleaned with the effervescent power of Fegu-Solv super. Fegu-Solv super is particularly efficient when it is used in the ultrasonic unit.

Not suitable for use with foodstuffs. Ready-to-use solution.

Colour: yellow

Supply form	Art. no.
1000 ml	5092
5000 ml	5093

Contact V 70

Water-soluble and reduced solvent content wetting agent for wax patterns and silicone moulds



Contact V 70 enhances wetting of hydrophobic wax parts / silicone moulds with investment material and dental stone in the field of crowns and bridges and model casting technique. The casting results are convincing: bubble-free and smooth surfaces.

Contact V 70 is also a suitable wetting agent for polyether rubber.

Supply form	Art. no.
100 ml spray bottle	2090
1000 ml refill bottle	2091

PLASTER-PLASTER SEPARATING AGENTS & BLOCK OUT MATERIAL

1

Uni-Sep 2000

Water-soluble, reduced solvent content plaster separating agent



Uni-Sep 2000 ensures simple and rapid separation of plaster against plaster in the split-cast technique and during the preparation of saw-cut models of main and secondary counters in the field of full dentures.

Uni-Sep 2000 excels by virtue of its accurate and detailed separation effect. Uni-Sep 2000 is free from silicones and does not form any film.

Supply form	Art. no.
250 ml spray bottle	5080
1000 ml refill bottle	5085

Fegura® BlockOut

Light-curing, paste block out material



Fegura® BlockOut is a light-curing material for blocking out cavities on a model die. The paste offers a sufficient viscosity, which enables easy and precise modelling, and a very good adhesion to the model die.

Fegura® BlockOut may be cured with all common light-curing units and then gently finished.

Colour: ivory

Supply form	Art. no.
4.5 g tube	6050

MODEL FABRICATION

DIE HARDENERS AND COATINGS

Fegura® Hardener

Light-curing, translucent die hardener



Fegura® Hardener is a light-curing translucent die hardener, which yields a uniform and scratch resistant sealing of the model die within a very short time. Due to the low viscosity, Fegura® Hardener builds no layer on the model die.

Fegura® Hardener may be cured with all common light-curing units.

Supply form	Art. no.
20 ml dropper bottle	6053

Fegura® Spacer

Red, translucent die spacer



Fegura® Spacer is a red, translucent die spacer, which yields a film thickness of approximately 10 µm if applied once. Fegura® Spacer dries very quickly.

If the die spacer is applied on a sealed model die, it can be removed afterwards with gentle steaming or acetone very easily without destroying the sealing.

Colour: red

Supply form	Art. no.
20 ml brush bottle	6055

Microbrush® Plus Disposable brushes

Handy disposable plastic brushes



Microbrush® disposable brushes make it easy to apply coatings, e.g. Fegura® Bond Coating, Fegura® Hardener or Fegura® Spacer, very precisely and in a uniform layer on the model die. Inconvenient cleaning of brushes is no longer necessary.

Microbrush® disposable brushes are offered together with a handy dispenser box.

Supply form	Art. no.
400 pcs. + dispenser box	9026
400 pcs. refill pack	9027

OCCLUSION INDICATORS & MILLING PASTE

1

Contactspray

Colour marking spray to check contact and occlusal surfaces



Contactspray is suitable for rapidly detecting jamming contacts and occlusal stops as well as approximal contact points on the master model. The coloured spray does not stick and can be easily removed with a small brush or a steam cleaner. Contactspray burns out completely and is eco-friendly since it does not contain any CFCs.

Colour: red and green

Supply form	Art. no.
75 ml aerosol red	2311
75 ml aerosol green	2312

Contact Marker

Colour marking to check contact and occlusal surfaces



Contact Marker is suitable for rapid detecting of jamming contacts and occlusal stops as well as approximal contact points on the master model. Contact Marker can be applied selectively and precisely at certain points. The velvet-like coating does not stick and can be easily and completely removed with a small brush or a steam cleaner.

Colour: blue

Supply form	Art. no.
20 ml brush bottle	2313

FR.I. milling paste

Vaseline-free milling paste for dental milling and drilling work



FR.I. ensures enhanced stability at high cutting and drilling speeds and fine milling work with considerably reduced wear of tools than conventional milling pastes and oils. FR.I. works as a paste where it is applied. When milling and drilling work is completed, the models are simply cleaned with steam, dried and prepared for duplicating. During silicone duplicating, no greasy spots will be formed if FR.I. is used.

FR.I. is odourless, contains no harmful substances and is therefore physiologically safe.

Supply form	Art. no.
3 x 5 g glass jar	2305

SILICONES & DUPLICATING GEL

HIGHLIGHT



SILICONES & DUPLICATING GEL

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SILICONES & DUPLICATING GEL

DUPLICATING SILICONES

Fegura® Sil hydro special II

Duplicating silicone (addition-curing) with hydrophilic surface. Shore A 18-20



Fegura® Sil hydro special II is highly fluid and exhibits fine mechanical properties and immediate self aligning capacity.

Both components are mixed in a weight ratio of 1:1. Complete mixing of the yellow (A) and blue (B) components can be quickly checked with the help of the change of colour.

Technical data	
Colour	A: yellow; B: blue
Shore A	18-20
Processing time	approx. 5-6 min. (22 °C)
Easy release	after approx. 30 min (22 °C)

Supply form	Art. no.
1 kg A + 1 kg B	2115
6 kg A + 6 kg B	2116
25 kg A + 25 kg B	2117

Fegura® Sil AD special

Standard duplicating silicone (addition-curing) Shore A 18-20



Fegura® Sil AD special is a proven alternative for reliable duplicating. The mechanical properties and immediate self-aligning after demoulding are convincing.

Both components are mixed in a weight ratio of 1:1.

Technical data	
Colour	A: white; B: blue
Shore A	18-20
Processing time	approx. 5-6 min. (22 °C)
Easy release	after approx. 30 min (22 °C)

Supply form	Art. no.
1 kg A + 1 kg B	2022
1.25 kg A + 1.25 kg B	2023
6 kg A + 6 kg B	2024
25 kg A + 25 kg B	2025

Fegura® Sil clear

Duplicating silicone (addition-curing) with fast setting time. Shore A 18-20



If fast duplicating is called for! Time is money!

The new duplicating silicone Fegura® Sil quick offers a very short setting time and is twice as fast as conventional duplicating silicones! As is the case of all Fegura® Sil duplicating silicones, we guarantee outstanding quality criteria in terms of

- precision
- flowability
- dimensional stability
- tear resistance

Technical data	
Colour	A: white; B: orange
Shore A	18-20
Processing time	approx. 3 min. (22 °C)
Easy release	after approx. 12-15 min. (22 °C)

Supply form	Art. no.
1 kg A + 1 kg B	1080
6 kg A + 6 kg B	1081
25 kg A + 25 kg B	1082



Fegura® Sil extra hard

duplicating silicone (addition-curing), extra hard
Shore A 27-30



Fegura® Sil extra hard was especially developed for flaskless duplicating in the dental laboratory. Fegura® Sil extra hard has a low viscosity and excellent mechanical stability which allows trouble-free working during flaskless duplicating.

Technical data	
Colour	A: red; B: blue
Shore A	27-30
Processing time	approx. 5 min. (22 °C)
Easy release	after approx. 30 min (22 °C)

Supply form	Art. no.
1 kg A + 1 kg B	1090
6 kg A + 6 kg B	1091
25 kg A + 25 kg B	1092

Fegura® Sil Lycran

Special silicone (addition-curing) for the denture casting technique



Fegura® Sil Lycran is a low viscosity, addition-curing silicone for the denture casting technique. Suitable for embedding prostheses using the Lycran technique. Not suitable for duplication in the model cast technique. The silicone molds are non-oily and result in silk-matt, homogenous denture surfaces that are easy to polish. The matched mechanical properties allow precise repositioning of resin dentures.

Both components are mixed in a weight ratio of 1:1.

Technical data	
Colour	A: pink; B: steel blue
Processing time	approx. 5-6 min. (22 °C)
Easy release	after approx. 30 min (22 °C)

Supply form	Art. no.
1 kg A + 1 kg B	LY0140
6 kg A + 6 kg B	LY0145
25 kg A + 25 kg B	LY0150

Fegura® Sil translucent

Particularly soft duplicating silicone (addition-curing). Shore A 12-14



Fegura® Sil translucent has been developed especially for the ceramic, inlay, crown and bridge techniques where soft, expandable silicone moulds are required.

Technical data	
Colour	A: translucent; B: pink
Shore A	12-14
Processing time	approx. 5-6 min. (22 °C)
Easy release	after approx. 30 min (22 °C)

Supply form	Art. no.
1 kg A + 1 kg B	4060
5 kg A + 5 kg B	4062

SILICONES & DUPLICATING GEL

DUPLICATING GEL & MODELLING SILICONES

Fegura® Gel SF

Biodegradable gel-based duplicating material



To prepare models with suitable phosphate-bonded model casting investment materials, e.g. MO Speed 20 and Feguravest® M. Due to the use of selected high-quality raw materials, Fegura® Gel SF can be melted several times without any loss of quality. Moulds produced with Fegura® Gel SF feature accurate reproduction of details and can be poured out with investment material without using wetting agent. Fegura® Gel SF exhibits a firm consistency and is still flexible enough to be pulled off from undercuts without tearing off.

Fegura® Gel SF can also be used for acrylic techniques.

Supply form	Art. no.
6 kg	2220

Fegura® Sil putty

Non-shrinking modelling silicone (addition-curing)
Shore A 70



Fegura® Sil putty meets highest demands on dental work in the field of acrylics and during the preparation of matrixes and repair models. Due to its special composition, Fegura® Sil putty is self-separating and does not stick to plaster, wax, metal, resin and acrylic teeth. The two components can be safely dosed and easily kneaded since they are mixed in the ratio of 1:1 just like duplicating silicones. No smearing and the components do not stick on hands while kneading. Fegura® Sil putty is physiologically harmless as the catalyst/hardener system is tin-free.

Technical data	
Colour	A: white; B: violet
Shore A	approx. 70
Processing time	approx. 2 min. (22 °C)
Setting contraction	< 0.16%
Easy release	after 10 min. (22 °C)

Supply form	Art. no.
1 kg A + 1 kg B	6040
7.5 kg A + 7.5 kg B	6041

Kneadable silicone material

Modelling silicone (condensation-curing)
Shore A 75-80



This kneadable silicone material allows to produce matrixes simply and quickly, to prepare repair models and to block out undercuts. The high end hardness ensures good stability and safe fixation of acrylic teeth. The polysiloxane has a separating effect and does not stick to plaster, wax, metal, resin and acrylic teeth. The white basic material is mixed with a special red paste hardener which allows for a visual check of the correct kneading process of both components.

Paste hardener (colour: red) for kneadable silicone material 1 tube is required for 1.6 kg basic material and 7 tubes for 10 kg.

Technical data	
Colour	white; hardener: red
Shore A	approx. 3 min. (22 °C)
Processing time	approx. 2 min. (22 °C)
Easy release	after 30 min. (22 °C)

Supply form	Art. no.
1.6 kg	6010
10 kg	6012
35 g tube paste hardener	1082

GINGIVAL MASK & TRANSPARENT SILICONES

2

Fegura® Sil Gingi

Highly-elastic, addition-curing silicone to fabricate gingival masks on saw cut models



Fegura® Sil Gingi has the same colour, hardness and flexibility as natural dental tissue. Prosthetic restorations can be perfectly adapted due to the detailed reproduction of the natural gingival situation, especially concerning the functional design of interdental areas and the correct placement of attachments.

The silicone impression, into which Fegura® Sil Gingi is injected, can be fabricated out of the modelling silicone Fegura® Sil putty 1:1.

Fegura® Sil Gingi is mixed bubble-free in a dispenser cartridge system with a mixing cannula attachment and can be used sparsely and economically.

Advantages:

- No costly and time-consuming corrections on completed restorations.
- Reproduction of the natural tissue situation
- Easy and economical to use

A set consists of: 2 cartridges (52 g each), mixer + tips (12 pieces each) and separating agent (15 ml brush bottle).

A refill pack consists of: 2 cartridges (52 g each) and mixer + tips (12 pieces each).

Supply form	Art. no.
2 x 50 ml set	2010
2 x 50 ml refill pack	2011
15 ml separating agent	2012

Fegura® Sil Gingi extra hard

Addition-curing silicone for producing gingival masks for dental implants



To reproduce the natural tissue on implant models, Fegura® Sil Gingi extra hard is directly injected into the impression. Easy milling of the material is possible due to the high hardness, thus achieving precise definition of margins.

Fegura® Sil Gingi is mixed bubble-free in a dispenser cartridge system with a mixing cannula attachment and can be used sparsely and economically.

Advantages:

- No costly and time-consuming corrections on completed restorations
- Reproduction of the natural tissue situation
- Easy and economical to use

A set consists of: 2 cartridges (69 g each), mixer + tips (12 pieces each) and separating agent (15 ml brush bottle).

A refill pack consists of: 2 cartridges (69 g each) and mixer + tips (12 pieces each).

Supply form	Art. no.
2 x 50 ml set	2015
2 x 50 ml refill pack	2016
15 ml separating agent	2012

Fegura® Sil GLASS

Transparent addition-curing silicone can be made with Fegura® Sil GLASS for processing light-curing dental acrylics (e.g. composite resins).



Transparent silicone moulds can be made with Fegura® Sil GLASS for processing light-curing dental acrylics (e.g. composite resins). Light-curing takes place through the silicone mould.

Fegura® Sil GLASS avoids the formation of a dispersion layer. Thus the surface of the composite is denser and can be polished easily.

Fegura® Sil GLASS is available in two versions with different hardness:

- Shore A 55 - regular
- Shore A 75 - super hard

A set contains: 2 x 50 ml cartridges and 12 mixers (yellow).

Supply form	Art. no.
2 x 50 ml Set 55 regular	FSG0120
2 x 50 ml Set 75 super hard	FSG0100

SILICONES & DUPLICATING GEL

TRANSPARENT SILICONES & SILICONE ACCESSORIES

Fegura® Sil clear

Optically clear duplicating silicone (addition-curing)
Shore A 20



- both components are mixed together in the weight ratio 1:1
- for improving light transmission for light-curing materials
- for demonstration models

Technical data

Colour	A + B transparent
Shore A	18 - 20
Processing time	approx. 5-6 min. (22 °C)
Easy release	after approx. 30-35 min. (22 °C)

Supply form

1 kg A + 1 kg B

Art. no.

1095

Mixing cannulas

Extra long mixing cannulas for silicone dosing units



For more intensive mixing of two-component silicones when dosing with the silicone dosing unit.

Supply form

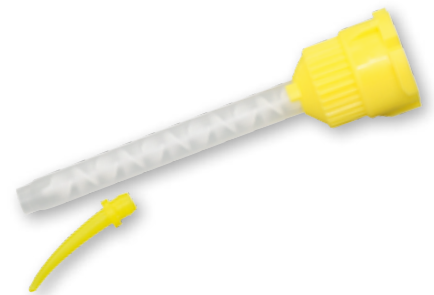
50 pcs. 12 cm Ø 5.4 mm

Art. no.

2125

Mixing cannulas yellow

Mixer yellow and Intra oral-tips for cartridge silicones. With intra-oral tips



For cartridge silicones, e.g. Fegura® Sil GINGI, Fegura® Sil GINGI extra hard and Fegura® Sil GLASS.

Content:

40 mixers yellow and 40 intra-oral tips

Supply form

40 mixers + 40 intra-oral tips yellow

Art. no.

2013

Mixing cannulas pink

Mixing cannulas, pink for automatic mixing devices for 1:1 duplicating silicones



For more intensive mixing of two-component silicones when dosing with the silicone dosing unit.

Supply form

40 cannulas pink

Art. no.

SI0202-40

100 cannulas pink

SI0202-100

Duplicating flask

Special duplicating flask for duplicating master and control models



Simple and safe working and reduced material consumption due to the economic and stabilizing insert.

Supply form	Art. no.
1 flask	2120
1 stabilizing insert M	2121

Silicone dosing pump

Pump for rapid and clean dosing of silicone out of the 6 kg and 25 kg can



The dosing system includes a special drop-stop system which prevents leaking even of low viscosity silicones, e.g. Fegura® Sil hydro special II, Fegura® Sil extra hard, Fegura® Sil quick and Fegura® Sil translucent.

Supply form	Art. no.
2 dosing pumps for 6 kg can	2030
2 dosing pumps for 25 kg can	2031

Dispenser

Dispenser for cartridge silicones



Universal-to-use dispenser, which is suitable for all products in MIXPAC S-50 cartridges with 1:1 or 2:1 mixing ratio.

Supply form	Art. no.
Dispenser	2014

MODEL CASTING TECHNIQUE



MODEL CASTING TECHNIQUE

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MODEL CASTING TECHNIQUE

INVESTMENT MATERIALS

MO Speed 20

Phosphate-bonded, fine-grain precision investment material for rapid firing



The fine-grain precision investment material MO Speed 20 sets new standards for rapid firing using the model casting technique. Despite the fine grain structure, MO Speed 20 is suitable for silicone duplicating as well as for gel duplicating.

The low viscosity and the extended processing time of the mixed investment material ensure reliable and convenient investing. Models made of MO Speed 20 feature smooth surfaces and high edge strength.

Precision-fit and smooth castings are obtained regardless of whether - after 25 minutes - the muffle is placed in the furnace heated at the end temperature (850 – 900 °C) or conventional heating is used.

Technical data	
Recommended end temperature	850 - 900 °C
Mixing ratio	20 ml liquid : 100 g powder

Supply form	Art. no.
10 kg (50 x 200 g bag)	2170
20 kg (100 x 200 g bag)	2171
1000 ml liquid	2175
5000 ml liquid	2176

C 130 MO

Phosphate-bonded precision investment material for high-quality model casting



C 130 MO is a model casting investment material which was especially developed for silicone and polyether duplicating.

C 130 MO excels by virtue of its particularly fine-grain composition. Precise reproduction of details results in castings featuring extraordinary accuracy of fit.

Special Liquid: Expansion liquid for the double crown technique

Technical data	
Recommended end temperature	850 - 900 °C
Mixing ratio	18-20 ml liquid : 100 g powder

Supply form	Art. no.
5 kg loose	2102
10 kg loose	2100
20 kg loose	2101
10 kg (50 x 200 g bag)	2105
20 kg (100 x 200 g bag)	2106
1000 ml liquid yellow	2110
5000 ml liquid yellow	2111
1000 ml special liquid green	2112
5000 ml special liquid green	2113

FEGURAVEST® M

Phosphate-bonded model casting investment material for gel and silicone duplicates



FEGURAVEST® M - the proven alternative for reliable working and castings with high precision of fit. FEGURAVEST® M models are hardened and sealed with FEGURADUR (cold immersion hardener) after gel duplicating. Thus models with high edge strength are obtained. FEGURAVEST® M remains "soft" during devesting and can be easily sandblasted with abrasive materials such as Alu-mix or Korumix.

Technical data	
Recommended end temperature	850 - 900 °C
Mixing ratio	13-14 ml liquid : 100 g powder

Supply form	Art. no.
5 kg loose	2202
10 kg loose	2200
20 kg loose	2201
10 kg (50 x 200 g bag)	2205
20 kg (100 x 200 g bag)	2206
1000 ml liquid green	2210
5000 ml liquid green	2211

NPM MODEL CASTING ALLOYS & JOINING TECHNOLOGY

3

Combilium BSM 3, 4, 5

Ni-free model casting alloy based on cobalt-chrome-molybdenum. Biocompatible



Cobilium BSM is available in three qualities:

- **BSM 3 spring hard:** Ideal for combined work. Harder with higher elongation limit and tensile strength than BSM 4 and 5
- **BSM 4 super spring hard:** Ideal for clasp dentures. Suitable for laser welding.
- **BSM 5:** Ideal for clamp dentures. Sharp melting range. Suitable for laser welding.

Combilium BSM excels by virtue of its outstanding bending strength, high elasticity and fine flow behaviour. Combilium BSM features reduced oxide formation, can be finished easily and exhibits bright surfaces that can be polished well.

Technical data			
	BSM 3	BSM 4	BSM 5
EN ISO 22674	Type 5	Type 5	Type 5
Composition %	Co ~63; Mo ~5; Cr ~30; C < 0.5; Mn, Si, Fe < 2	Co ~64; Mo ~6; Cr ~29; C < 0.25; Mn, Si, Fe < 2	Co ~64; Mo ~5; Cr ~28.5; C < 0.35; Mn, Si, Fe < 2
RP 0.2 (22 °C)	600 N/mm ²	550 N/mm ²	600 N/mm ²
Tensile strength (22 °C)	> 830 N/mm ²	> 750 N/mm ²	880 N/mm ²
Elongation A5 (22 °C)	> 5%	> 7%	6.3%
Vickers hardness HV 10	> 350	> 300	350
E modulus (22 °C)	230 10 ³ N/mm ²	230 10 ³ N/mm ²	215 10 ³ N/mm ²
Density	8.3 g/cm ³	8.4 g/cm ³	8.2 g/cm ³
Melting range	1210-1380 °C	1210-1380 °C	1320-1350 °C
CTE (20-600 °C)	15 10 ⁻⁶ K ⁻¹	16 10 ⁻⁶ K ⁻¹	15 10 ⁻⁶ K ⁻¹
Supply form	Cylinder	Cylinder	Cylinder

Supply form	Art. no.
1 kg BSM 3	2191
1 kg BSM 4	2190
1 kg BSM 5	2192

Combibond® Laser Welding Wire

Laser welding wire based on cobalt-chrome-molybdenum. Biocompatible



Laser welding wire to fabricate dental restorations for all NPM dental alloys (e.g. Combilium BSM 3+4+5, Combibond® BST Triumph). Observe the manufacturer's information for processing. Combibond® laser welding wire contains no hydrocarbons.

Technical data	
Composition %	Co ~ 65; Mo ~ 5; Cr ~ 28; C<0.25; Mn, Si, Fe<2%
Supply form	
Reel 2 m Ø 0.35 mm	4085
Reel 2 m Ø 0.50 mm	4090

Combibond® Lot 7

Special solder for soldering model casting alloys



Technical data	
Working temperature	approx. 930 °C
Composition %	Au 79.8; Ni 15.8; Zn 4.4

Supply form	Art. no.
5 g reel	1000 029

MODEL CASTING TECHNIQUE

JOINING TECHNOLOGY - AIDS AND DEVICES

Combiflux

Flux



Combiflux-Paste (BrP) is a special flux for soldering non-precious and precious metal alloys as well as non-precious to precious metal alloys. Combiflux-Paste (BrP) removes surface oxides completely.

Combiflux does not swell and burns out completely. Combiflux is very active and should therefore only be used in small quantities.

Supply form	Art. no.
1 package BrP (3 x 5 g)	4043

FEgurADUR

Solvent-free cold immersion hardener for hardening and sealing the investment material



FEgurADUR hardens and seals the surface of investment models - especially after gel duplicating - and provides a durable, transparent protective coating. FEGURADUR does not contain any organic solvents, is physiologically harmless and burns out without leaving any residues.

Supply form	Art. no.
1000 ml	2230
5000 ml	2235

Feguravest® crepe liner

Self-adhesive crepe liner for over-bedding the investment model



Reel length 25 m; total width 80 mm (adhesive zone 10 mm).

Supply form	Art. no.
1 reel	2270

BIO-PREP Spray

Adhesive spray for gluing plastic and wax patterns in model casting work



Bio-Prep Spray burns out completely and does not form casting lugs.

Supply form	Art. no.
150 ml aerosol	2130

BIO-PREP liquid

Liquid dental adhesive for gluing plastic and wax patterns in model casting work



Bio-Prep liquid features excellent adhesive capacity and ensures application in specific quantities. Bio-Prep liquid burns out completely and does not form casting lugs.

Supply form	Art. no.
20 ml brush bottle	2135
100 ml refill bottle	2137
50 ml thinner	2136

Heater plate

For drying investment models



The constant set heating temperature allows the investment models to dry quickly.

Supply form	Art. no.
Heat plate	2290

Crea•F sculpturing wax

Sculpturing wax – model casting



The physical properties of Crea•F Partial wax are adapted to the special requirements of the Feguramed model casting technique.

This achieves a seamless transition from modelling to the finished profiles thus considerably reducing the working time after casting.

Colour: green

Supply form	Art. no.
70 g jar	3430

Air-conditioned cabinet

330 l volume



Basic equipment for all working steps in the dental laboratory which require reproducible precision and quality. Adjustable air-conditioned cabinet (+15 to +28 °C) with calibrated thermometer (± 1 °C) for precise temperature-controlled storage of investments, plasters, silicones and other two-component materials.

Supply form	Art. no.
140 l (83 x 60 x 61.5 cm) standard white	23230
140 l (83 x 60 x 61.5 cm) glass door white	23231
140 l (83 x 60 x 61.5 cm) stainless steel	23232
140 l (83 x 60 x 61.5 cm) stainless steel glass door	23233
230 l (125 x 60 x 61 cm) standard silver	23200
230 l (125 x 60 x 61 cm) glass door silver	23201
330 l (164 x 60 x 61 cm) standard silver	23210
330 l (164 x 60 x 61 cm) glass door silver	23211
520 l (164 x 75 x 73 cm) standard silver	23220
520 l (164 x 75 x 73 cm) glass door silver	23221

CROWN & BRIDGE TECHNIQUE



CROWN & BRIDGE TECHNIQUE

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CROWN AND BRIDGE TECHNIQUE

INVESTMENT MATERIALS

One-micro-Plus®

Phosphate-bonded precision investment for all precious, metal-to-ceramic and non-precious alloys in the crown and bridge technique with excellent processing properties.

Speed investment.



One-micro-Plus® is suitable for the complete spectrum of the crown and bridge technique. The excellent flowability and a sufficient processing time are remarkable. Both the Speed technique and conventional preheating are possible with One-micro-Plus®.

The appropriate expansion can be achieved for every type of alloy by varying the concentration of the associated One-micro-Plus® Liquid.

One-micro-Plus® has a very high quality of reproduction. The fine-grain composition and the high thermal stability ensure extremely smooth, perfect cast surfaces. Deflasking with One-micro-Plus® is very easy. When sandblasting, a maximum pressure of 0.5 to 2 bar is sufficient to protect the smooth cast surfaces and precision parts.

Technical data	
Mixing ratio	28 ml liquid : 100 g powder
Mixing time Processing time	2 min. in vac. 9 - 10 min. (22 °C)
Setting time	30 min. (22 °C)
Preheating	Speed Stepwise with holding times
End temperature	650 - 900 °C
Setting expansion Thermal expansion Total expansion	2.2 0.9 3.1% (100% conc.)
Compressive strength	5 MPa

Supply form	Art. no.
4.5 kg (30 x 150 g bag)	3060
500 ml liquid colourless	3065
1000 ml liquid colourless	3066
5000 ml liquid colourless	3067

FEGURAVEST® S

Phosphate-bonded, graphite-free speed investment for the complete spectrum of the crown and bridge technique.

Speed investment.



Moulds made with Feguravest® S can be placed into the furnace preheated to the end temperature after a setting time of only approx. 20 minutes. The casting is already obtained after approx. 60 minutes. Holding times of conventional investments do not have to be adhered to!

As a result of the fine-grain composition of Feguravest® S, very smooth and precise castings are achieved. Feguravest® S mixed with a special liquid - Feguravest® S Liquid - and can be diluted with demineralized water in any ratio. Thus the total expansion can be precisely adapted to the alloy used.

A special liquid is available for achieving higher expansion with non-precious metal alloys.

Technical data	
Mixing ratio	22 ml liquid : 100 g powder
Mixing time Processing time	60 sec in vac. 6 min. (22 °C)
Setting time	20 min. (22 °C)
Preheating	Speed Stepwise with holding times
End temperature	650 - 900 °C
Setting expansion Thermal expansion Total expansion	2.7 0.6 3.3% (100% conc.)
Compressive strength	5 MPa

Supply form	Art. no.
4.5 kg (30 x 150 g bag)	3050
6.0 kg (30 x 200 g bag)	3051
1000 ml liquid colourless	3055
5000 ml liquid colourless	3058
1000 ml special liquid colourless	3056
5000 ml special liquid colourless	3059

MC-Vest micro® NEW

Phosphate-bonded, graphite-free precision investment material for the complete spectrum of the crown and bridge technique.

Speed investment.



The particularly fine-grain composition ensures extremely smooth, perfect cast surfaces. MC-Vest micro® investment material is mixed with a special liquid - MC-Vest Special Liquid - that can be easily diluted with demineralized water to adapt it to the alloy used. Thus the setting expansion can be controlled precisely and moulds made of MC-Vest micro® can be cast with all common dental alloys (precious and non-precious metal alloys). MC-Vest micro® moulds can be deflasked very easily. When sandblasting, a pressure of 0.5 to max. 2 bar is quite sufficient. This protects the cast surface and therefore ensures a high accuracy of fit.

Technical data	
Mixing ratio	24 ml liquid : 100 g powder
Mixing time Processing time	60 sec in vac. 6 min. (22 °C)
Setting time	30 min. (22 °C)
Preheating	Speed Stepwise with holding times
End temperature	650 - 900 °C
Setting expansion Thermal expansion Total expansion	2.3 0.6 2.9% (100% conc.)
Compressive strength	5 MPa

Supply form	Art. no.
6 kg (40 x 150 g bag)	3025
1000 ml special liquid colourless	3045
5000 ml special liquid	3046

FEgurAVEST® NEW ultrafine

Phosphate-bonded, graphite-free, thermally resilient, precision investment material for the complete spectrum of the crown and bridge technique.

Speed investment.



As a result of the fine-grain composition, very smooth and precise castings are achieved. Feguravest® ultrafine investment is the reliable alternative to obtain high-quality dental casts. Feguravest® ultrafine is mixed with a special liquid - Feguravest® Special Liquid - and can be diluted with demineralized water in any ratio. Thus the total expansion of Feguravest® ultrafine can be precisely adapted to the alloy used.

Technical data	
Mixing ratio	22 ml liquid : 100 g powder
Mixing time Processing time	60 sec in vac. 6 min. (22 °C)
Setting time	30 min. (22 °C)
Preheating	Speed Stepwise with holding times
End temperature	650 - 900 °C
Setting expansion Thermal expansion Total expansion	1.2 1.1 3.3% (100% conc.)
Compressive strength	5 MPa

Supply form	Art. no.
4.5 kg (30 x 150 g bag)	3117
1000 ml special liquid	3126
5000 ml special liquid	3127

CROWN AND BRIDGE TECHNIQUE

INVESTMENT MATERIALS & AIDS

MC-Vest micro®

Phosphate-bonded, graphite-free precision investment material for the complete spectrum of the crown and bridge technique. **Investment for stepwise preheating.**

The particularly fine-grain composition ensures extremely smooth, perfect cast surfaces.

MC-Vest micro® investment is mixed with a special liquid - MC-Vest Liquid - that can be easily diluted with demineralized water to adapt it to the alloy used. Thus the setting expansion can be controlled precisely and moulds made of MC-Vest micro® can be cast with all common dental alloys (precious and non-precious metal alloys). MC-Vest micro® moulds can be deflasked very easily.

When sandblasting, a pressure of 0.5 to max. 2 bar is quite sufficient. This protects the cast surface and therefore ensures a high accuracy of fit.

A special liquid is available for achieving higher expansion with non-precious metal alloys.

Technical data	
Mixing ratio	24 ml liquid : 100 g powder
Mixing time Processing time	60 sec in vac. 6 min. (22 °C)
Setting time	30 min. (22 °C)
Preheating	Stepwise with holding times
End temperature	650 - 900 °C
Setting expansion Thermal expansion Total expansion	1.5 0.8 2.3% (100% conc.)
Compressive strength	3-4 MPa

Supply form	Art. no.
5 kg loose	3013
10 kg loose	3014
18 kg loose	3015
3 kg (20 x 150 g bag)	3017
6 kg (40 x 150 g bag)	3018
6 kg (120 x 50 g bag)	3023
250 ml liquid green	3030
1000 ml liquid green	3035
5000 ml liquid green	3039
250 ml special liquid red	3040
1000 ml special liquid red	3043
5000 ml special liquid red	3044

FEGURAVEST® ultrafine

Phosphate-bonded, graphite-free, thermally resilient, precision investment material for the complete spectrum of the crown and bridge technique. **Investment for stepwise preheating.**



As a result of the fine-grain composition, very smooth and precise castings are achieved. Feguravest® ultrafine investment is the reliable alternative to obtain high-quality dental casts. Feguravest® ultrafine is mixed with a special liquid - Feguravest® Liquid - and can be diluted with demineralized water in any ratio. Thus the total expansion of Feguravest® ultrafine can be precisely adapted to the alloy used.

Technical data	
Mixing ratio	22 ml liquid : 100 g powder
Mixing time Processing time	60 sec in vac. 6 min. (22 °C)
Setting time	30 min. (22 °C)
Preheating	Stepwise with holding times
End temperature	650 - 900 °C
Setting expansion Thermal expansion Total expansion	1.4 0.8 2.2% (100% conc.)
Compressive strength	3-4 MPa

Supply form	Art. no.
4.5 kg (30 x 150 g bag)	3110
5 kg loose	3114
10 kg loose	3115
18 kg loose	3116
400 ml liquid green	3120
1000 ml liquid green	3124
5000 ml liquid green	3125

ICK special investment

Phosphate-bonded special investment for aesthetically demanding dental restorations



Special investment material for firing inlays, crowns and small ceramic or galvanic gold bridges. Extremely fine-grain composition and optimum adaptation of the thermal expansion of the investment to dental ceramics meet the highest demands on precision, detailed reproduction and edge stability.

Technical data	
Mixing ratio	6 ml liquid : 30 g powder
Compressive strength after firing	22 MPa
Thermal expansion	0.88%
CTE (20 - 600 °C)	$14.1 \cdot 10^{-6} \text{ K}^{-1}$

Supply form	Art. no.
33 x 30 g bag and 250 ml liquid	4050
250 ml liquid	4051

FEgurAVEST® L

Plaster-bonded solder investment featuring volume stability and heat resistance



Feguravest® L solder investment can be directly heated to incandescence with an open flame. The parts to be soldered remain in their exact position. The short setting time of Feguravest® L permits soldering without any delay. Feguravest® L is only mixed with demineralized water.

Technical data	
Mixing ratio	30 ml demin. water : 130 g powder
Setting time	approx. 10 min. (22 °C)

Supply form	Art. no.
3 kg jar	2225
25 kg jar	2226



CROWN AND BRIDGE TECHNIQUE

AIDS

Fegura® Sep

Water-soluble special separating agent



Fegura® Sep has been especially developed for rapid and clean separating of dental stones – wax. Fegura® Sep features wetting properties, however, it does not affect the setting of the investment. Fegura® Sep burns out completely.

Supply form	Art. no.
20 ml brush bottle	3182
100 ml refill bottle	3183

Sep Marker

Double-ended separating pen wax/ceramic/composite



Sep Marker is a double-ended separating pen for separating plaster from wax/ceramic/composite. A thin, brush-like tip and a standard tip allow precise application even in hard-to-access places. A thin film is obtained without spilling.

The isolation works perfectly with Fegura® Hardener, which hardens and seals the plaster surface.

Supply form	Art. no.
1 marker	3180

Crea•F Milling Wax

Crea•F milling wax with high resin content



Perfect milling and cutting properties and no smearing thanks to the high resin content.

Colour: blue

Supply form	Art. no.
70 g jar	3425

UC-Trenn Separating Spray

Separating spray for rubber muffle formers



UC-Trenn Separation Spray is the ideal separating agent for rubber muffle formers. It forms a protective film that avoids sticking of the investment material.

Supply form	Art. no.
400 ml aerosol	9001

Flask Liner

Flask liner made of a new biocompatible mineral fibre



The thermal and physical properties of the investments are not affected by the flask liner. The dispenser box features a scale on its side that allows to measure the correct length of the individual strips for the respective casting ring size.

Supply form	Art. no.
50 mm x 1 mm x 25 m reel	2250
55 mm x 1 mm x 25 m reel	2255

Casting rings

Casting rings made of special steel



Casting rings made of special steel

Supply form	Art. no.
Size 1X	3190
Size 3X	3200
Size 6X	3210
Size 9X	3220

Muffle formers

Muffle formers made of hard-wearing elastic rubber

Size adapted to the size of the special steel casting rings.

Supply form	Art. no.
Size 1X	3240
Size 3X	3250
Size 6X	3260
Size 9X	3270

CROWN AND BRIDGE TECHNIQUE

NPM CERAMIC-METAL ALLOYS

Combibond® BST Triumph

Nickel- and beryllium-free Co-Cr-W-Mo ceramic bonding and casting alloy for the crown and bridge technique.



Combibond® BST Triumph exhibits outstanding biocompatibility and corrosion resistance. Combibond® BST Triumph therefore represents an excellent alternative to all precious metal bonding and casting alloys for removable dentures. Combibond® BST Triumph has a fine flow capacity and can be easily cast in the flame, centrifugal and vacuum pressure casting methods. Combibond® BST Triumph can be finished and polished easily and has a bright, silvery surface.

Combibond® BST Triumph is suitable for laser welding.

Technical data	
Composition %	Co ~ 60; Cr 25; W 9.0; Nb 2.0; V 1.0; Mo 1.0; Si 1.0; Fe, Mn < 1; C < 0.1
EN ISO 22674, 9693	Type 5
Rp0.2 (22 °C)	510 N/mm ²
Tensile strength (22 °C)	790 N/mm ²
Elongation A5 (22 °C)	> 5%
Vickers hardness HV 10	>280
Density	8.4 g/cm ³
CTE (20-600 °C)	14.2 10 ⁻⁶ x K ⁻¹
Melting range	1285-1380 °C
Oxidation temp.	960 °C / vac. (2 min.)

Supply form	Art. no.
120 g cylinder	4030
1000 g cylinder	4035

Combibond® CroCoCer CCR

Nickel- and Beryllium-free Co-Cr-W-Mo ceramic bonding alloy for the crown and bridge technique



Combibond® CroCoCer CCR is a top alloy, which can also be used in difficult situations, such as large bridge sizes. The E modulus – important for the load capacity of crown and bridge constructions – is approximately twice that of precious crown and bridge alloys. This protects against deformations through chewing pressure. Additionally, the high heat resistance as well as the outstanding biocompatibility present Combibond® CroCoCer CCR as a real alternative to precious metal alloys. The bonding strength with ceramics is excellent too.

Combibond® CroCoCer CCR is suitable for laser welding.

Technical data	
Composition %	Co 60.5; Cr 24.9; W 4.9; Mo 6.0; C < 0.1; Mn, Si, Nb, Fe < 2%
EN ISO 22674, 9693	Type 5
Rp0.2 (22 °C)	600 N/mm ²
E modulus (22 °C)	220 10 ³ N/mm ²
Elongation A5	> 5%
Vickers hardness HV 10	290
Density	8.3 g/cm ³
CTE (20-600 °C)	14.5 10 ⁻⁶ K ⁻¹
Melting range	1300 - 1400 °C
Oxidation temp.	960 °C / vac. (2 min.)

Supply form	Art. no.
120 g cylinder	4025
1000 g cylinder	4027

Combibond® NICE

Beryllium-free Ni-Cr-Mo ceramic bonding and casting alloy for the crown and bridge technique



Biological tests and corrosion studies confirm the excellent biocompatibility and corrosion resistance for cast structures made of Combibond® NICE. Combibond® NICE can be easily cast in the flame, centrifugal and vacuum pressure casting methods. Cast crowns can be finished and milled easily and the surfaces can be quickly polished to high lustre.

Combibond® NICE is suitable for laser welding.

Technical data	
Composition %	Ni ~ 59; Cr 28; Mo 10.0; Nb 1.5; Si 1.2; Fe, Mn, Ta < 1; C < 0.1
EN ISO 22674, 9693	Type 4
Rp0.2	395 N/mm ²
Tensile strength (22 °C)	695 N/mm ²
Elongation A5 (22 °C)	20%
Vickers hardness HV 10	200
Density	8.2 g/cm ³
CTE (20-600 °C)	13.9 10 ⁻⁶ x K ⁻¹
Melting range	1250 - 1290 °C
Oxidation temp.	930 °C / vac. (2 min.)

Supply form	Art. no.
250 g cylinder	4037
1000 g cylinder	4039

JOINING TECHNOLOGY & CERAMIC BONDING AGENTS

4

Combibond® Laser Welding Wire

Laser welding wire based on cobalt-chrome-molybdenum. Biocompatible.



Laser welding wire to fabricate dental restorations for all NPM dental alloys (e.g. Combilium BSM 3+4+5, Combibond® BST Triumph). Observe the manufacturer's information for processing. Combibond® laser welding wire contains no hydrocarbons.

Technical data	
Composition %	Co ~ 65; Mo ~ 5; Cr ~ 28; C < 0.25; Mn, Si, Fe < 2%

Supply form	Art. no.
Reel 2 m Ø 0.35 mm	4085
Reel 2 m Ø 0.50 mm	4090

Combibond® Lot 2 + Lot 5

Special solders (DIN EN ISO 9333)



For soldering Combibond® BST Triumph, Combibond® CroCoCer CCR and Combibond® NICE.

Technical data	
Combibond® Lot 2 before ceramic firing	
Working temperature	approx. 1060 °C
Colour	silver
Composition %	Au 72.0; Pd 12.5; Ag 4.0; Cu 8.1; Zn 2.0; In 1.3; Fe <1
Combibond® Lot 5 after ceramic firing	
Working temperature	approx. 750 °C
Colour	light-yellow
Composition %	Au 73.2; Pt 1.8; Ag 10.6; Cu 3.0; Zn 11.4

Supply form	Art. no.
Lot 2 - 5 g reel	1000 011
Lot 5 - 5 g reel	1000 014

Combiflux

Flux



Combiflux-Paste (BrP) is a special flux for soldering non-precious and precious metal alloys as well as non-precious to precious metal alloys. Combiflux-Paste (BrP) removes surface oxides completely. Combiflux products do not blow out and burn out completely. Combiflux is very active and should therefore only be used in small quantities.

Supply form	Art. no.
BrP (3 x 5 g)	4043

MC-Bonder

Bonding agent for reliable bonding between ceramic and precious metal or non-precious metal alloys



When fired, MC-Bonder exhibits a pleasant pastel yellow colour that provides a warm colour base for aesthetically appealing ceramic restorations. MC-Bonder forms a ceramic coating that covers dark metal oxides in the marginal area in a reliable manner. MC-Bonder is supplied ready-to-use in the practical dosing syringe.

Supply form	Art. no.
2 ml syringe	4010

PRECIOUS METALS

COMBIBOND® PRECIOUS METAL ALLOYS

Combibond® precious metal alloys									
		Au+						CTE	d
		Pt+Pd	Au	Pt	Pd	Ag	Cu	25-600	g/cm³
High-gold ceramic alloys DIN EN ISO 22674									
GC1Bio	high	98.0	85.0	13.0				14.6	19.1
GC2Bio	high	98.4	86.8	11.6				14.7	19.1
GC3Bio	extra-hard	97.6	85.9	11.7				14.6	18.9
GC4Bio	extra-hard	96.0	77.0	19.0		1.6		14.5	18.6
GC5Bio	extra-hard	78.8	69.9	8.9		13.1	7.5	17.0	16.1
GC6	extra-hard	95.8	77.2	9.6	9.0	1.5	0.3	14.1	17.8
GC7	extra-hard	82.8	73.8	9.0		9.2	4.4	16.8	16.7
Gold-reduced ceramic alloys DIN EN ISO 22674									
G-EC 2	extra-hard	90.0	51.4	0.2	38.4	0.2	0.2	14.2	14.6
G-EC 3	high	78.6	51.6		27.0	18.0	0.2	14.7	14.3
Palladium-based ceramic alloys DIN EN ISO 22674									
PC 1	extra-hard	81.0	6.0		75.0	8.5		14.6	11.6
PC 2	extra-hard	79.8	2.0		77.8		13.0	14.5	11.3
PC 3	extra-hard	57.8			57.8	31.0		15.1	11.4
High-gold casting alloys DIN EN ISO 22674									
GG 1	extra-hard	75.0	71.0	2.0	2.0	12.3	12.1		15.3
GG 2	extra-hard	79.0	69.0	4.0	6.0	17.9		16.2	15.6
GG 3	extra-hard	75.3	72.0	3.3		13.7	10.4		15.6
IN	high	91.9	87.9	4.0		5.0			17.7
IN 1	medium	78.0	77.0	1.0		13.0	8.5		15.4
IN 2	soft	87.5	86.0	0.5	1.0	12.4			17.2
Gold-reduced casting alloys DIN EN ISO 22674									
GGR 1	extra-hard	62.0	57.0		5.0	24.4	11.0		13.8
GGR 2	extra-hard	65.0	55.0		10.0	29.0		16.7	13.7
GGR 3	extra-hard	62.0	57.0	5.0		24.4	12.0		14.2
Silver palladium casting alloys DIN EN ISO 22674									
SG 1	extra-hard	39.9			39.9	51.9		16.6	10.6
Crowns, bands, plates, copings DIN EN ISO 22674									
GBL	high	83.3	83.3			10.0	6.7		16.4
Dental soldering alloys DIN EN ISO 9333									
Lot 1	1050 °C	82.0	79.0	3.0		16.6			
Lot 2	1070 °C	83.9	71.9		12.0	5.0	8.0		
Lot 3	860 °C	74.9	72.0	2.0	0.9	10.5	9.2		
Lot 4	790 °C	71.9	70.5	1.4		6.5	13.0		
Lot 5	760 °C	75.0	73.2	1.8		10.6	3.0		
Lot 6	710 °C	51.0	50.0		1.0	27.5	5.1		
Lot 7	930 °C	79.8	79.8						
Lot 8	880 °C	78.9	76.0	2.9		10.0	6.0		
Lot 9	710 °C	73.0	72.5	0.5		10.0	3.0		



PRESS CERAMIC

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PRESS CERAMIC

INVESTMENTS, AIDS & DENTAL BRUSHES

CS High Speed Investment

Phosphate-bonded precision investment material for the press ceramic technique



With CS High Speed Investment, press ceramic results of very high quality can be achieved within a very short time. The speed investment enables the fabrication of inlays, onlays, veneers and crowns with a high accuracy of fit. CS High Speed Investment is based on a highly pure, colourless crystalline quartz, which ensures a unique shade stability of the pressed ceramic objects.

The total expansion can be exactly adapted to different press ceramic types by mixing the CS High Speed Investment Liquid with demineralised water. An outstanding property is the easy divesting of the ceramic objects, which can be done at a very low sandblast pressure. This treats the surface of the ceramic objects with care and therefore ensures a high accuracy of fit. No investment interaction layer remains on the pressed ceramic objects.

Technical data	
Mixing ratio	24 ml liquid : 100 g powder
Mixing time	3 min. in vac.
Processing time	6 - 8 min
Setting time	30 min.
End temperature	850 °C
Overall expansion	3.1% (100% conc.)
Compressive strength	5 MPa

Supply form	Art. no.
5 kg (50 x 100 g)	3070
500 ml liquid red	3075

Feguratec® muffle system

Muffle system for press ceramic



The Feguratec® muffle system, which consists of three pieces, facilitates the easiest possible handling in investing. Thanks to the transparency of the cylinder, the wax objects can be optimally positioned and the smooth surfaces of the muffle system guarantee easy deflasking of the muffle.

In contrast to paper-ring systems, the muffle system has no abutting edge, which decreases the risk of cracks forming.

The muffle system is available in two sizes: 100 g (small) for 1 pellet and 200 g (large) for 2 pellets.

Supply form	Art. no.
100 g muffle system small	2000 100
200 g muffle system large	2000 200

Injection plunger

Injection plunger made of aluminium oxide



Injection plunger, to fit small and large muffle system, made of aluminium oxide.

The injection plunger can be used several times.

Technical data	
Dimensions	Ø 12 mm, length: 37 mm

Supply form	Art. no.
2 pcs. injection plunger	2000 090

UC-Trenn Separating Spray

Separating spray for press ceramic muffle system



UC-Trenn Separating Spray is the ideal separating agent between the material of the Feguratec® muffle system and the investment material. It forms a protective film that avoids sticking of the investment material.

Supply form	Art. no.
400 ml aerosol	9001

Feguramed ceramic brushes

5-piece model brush set to apply ceramic materials



Feguramed ceramic brushes are manufactured in top Kolinsky red marten quality. Either for building-up, for touching-up of smallest contacts or for applying stainings – the right brush for every technique is in the set.

The brush tips are formed needle-like and show a good absorbing capacity. The broader hair part serves as water reservoir, so that the ceramic does not dry out during build-up. With Feguramed Ceramic Brushes the smallest portions of ceramic material can also be positioned precisely and efficiently.

Brush size 8 contains small metal spheres in the handle, which shape the tip every time the brush is shaken out. Every brush is also available separately.

Supply form	Art. no.
5-part set	2000 150
1 pc. size 8 big	2000 151
1 pc. size 6	2000 152
1 pc. size 4 sharp	2000 153
1 pc. size 3 opaquer	2000 154
1 pc. size 00 fine	2000 155

Dental brushes

Dental brushes for different techniques



- Double-end brush with 2 hair qualities (acrylic + red marten combination brush RN 4/7)
- Isolation brush size 10
- Wax brush size 6

Supply form	Art. no.
1 pc. combi-brush RN4-7	2000 172
1 pc. isolation brush size 10	2000 170
1 pc. wax brush size 6	2000 171

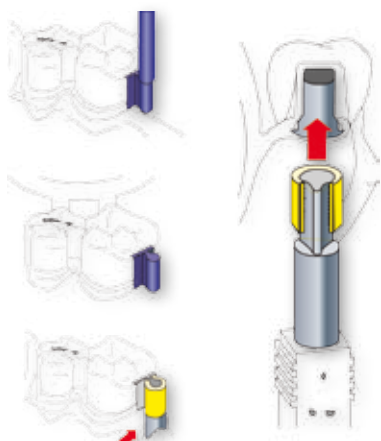
RETAINERS

ATTACHMENTS

6

Hot-Line V attachments

Rigid slide attachments



Hot-Line V: Materials
Male rod: residue-free combustible plastic
Female: super elastic, durable plastic

REF	
9000 100	Hot-Line V 1 set 6 female, 6 male 1 inserting pin
9000 105	Female yellow 6 pcs. outer-Ø 3.1 inner-Ø 1.7 mm
9000 106	Female red 6 pcs. outer-Ø 3.1 inner-Ø 1.5 mm
9000 107	Female black 6 pcs. outer-Ø 3.1 inner-Ø 1.6 mm
9000 108	Female orange 6 pcs. outer-Ø 3.1 inner-Ø 1.8 mm
9000 110	Inserting pin 1 pc.
9000 115	Male 6 pcs.

Supply form	Art. no.
1 set	9000 100
Female yellow 6 pcs.	9000 105
Female red 6 pcs.	9000 106
Female black 6 pcs.	9000 107
Female orange 6 pcs.	9000 108
Inserting pin 1 pc.	9000 110
Male 6 pcs.	9000 115



ACRYLIC DENTAL RESINS

Light-curing Tray material	40
Metal-acrylic adhesive	40
Acrylic denture resins	41



DENTURE CASTING TECHNIQUE

LIGHT-CURING TRAY MATERIAL & METAL-ACRYLIC ADHESIVE

Fegura® Tray

Light-curing resin tray material



Fegura® Tray is suitable for the preparation of individual impression trays, functional trays and set-up bases. Fegura® Tray is ready-to use and can be easily adapted on the model.

Supply form	Art. no.
50 x upper jaw natural	6061
50 x upper jaw pink	6062
50 x upper jaw blue	6063
50 x lower jaw natural	6065
50 x lower jaw pink	6066
50 x lower jaw blue	6067
50 x base plates 1.5 mm pink	6068

Fegura® Bond

Dual-curing bonding system for bonding titanium and NP metals (on Co-Cr-Mo basis) with acrylic denture resins to fabricate removable dentures using the model casting technique.



The Fegura® Bond system consists of:

- Primer
- Opaquer powder pink and opaquer powder A3
- Liquid to mix the coating
- Accessories (1 brush, 10 PE pots, 2 metal rings, 1 mixing block)

Fegura® Bond Primer is used for conditioning surfaces of dental alloys in order to increase bonding and adherence of model casting alloys with denture resins on acrylic basis.

Fegura® Bond Opaquer powder and Fegura® Bond Liquid make it possible to adapt the colour of the metallic framework to the natural colour of gingiva and plastic or resin teeth.

All components of the Fegura® Bond set are also individually available.

Colours: pink, dark pink, white, A3

Supply form	Art. no.
1 set	2180
Primer 7 g	2181
Opaquer pink 10 g	2182
Opaquer dark pink 10 g	2182-2
Opaquer white 5 g	2183
Opaquer A3 5 g	2183-2
Liquid 10 ml	2184
Opaquer brush	2000 154

Microbrush® Plus disposable brushes

Handy disposable plastic brushes



Microbrush® Disposable Brushes make it easy to apply coatings, e.g. Fegura® Bond Coating, Fegura® Hardener or Fegura® Spacer, very precisely and in a uniform layer on the model die. Inconvenient cleaning of brushes is no longer necessary. Microbrush® disposable brushes are offered together with a handy dispenser box.

Supply form	Art. no.
400 pcs. + dispenser box	9026
400 pcs. refill pack	9027

FULL PROSTHODONTICS ON THE HIGHEST LEVEL!



LYCArt

... it is time to choose the best.



Everything is possible! Characterised LY-CArt denture including tooth Colouration



or conventional standard denture

Feguramed sets new standards in full prosthodontics with innovative products!

LYCRAN

is a new generation liquid resin (cold curing) with absolutely outstanding properties and meets all requirements convincingly and without compromise.

LYCArt

is the perfect combination of esthetics and function, technology and art. A revolutionary **All-in-one system** consisting of

Material | Manufacturing process | Elaboration | Colour individualization

LYCArt enables prosthetic restorations that differ markedly in many aspects from conventional acrylic dentures.



ACRYLIC DENTAL RESINS

Lycran Denture Resin

Cold-curing acrylic based on methyl methacrylate (MMA)



Fabrication of complete and partial dentures using the casting technique. Completion of model cast dentures, repairs, extensions and relinings with flow process. Colour: pink-transparent.

Lycran is a new generation denture resin, which meets all requirements convincingly and without compromise.

- Excellent mucous membrane compatibility thanks to a minimized residual monomer content
- High fitting accuracy thanks to reduced shrinkage
- Colour stable, high mechanical values
- Outstanding processing properties: Several dentures can be cast in a single work step

Technical data	
Mixing ratio	10 g powder : 6-7 g liquid
Colour	pink-transparent
	cadmium-free

Supply form	Art. no.
1000 g powder	LY0100
500 ml liquid	LY0120
2 x 500 ml liquid	LY0125

Lycran Denture Resin Trial Set

Cold-curing acrylic based on methyl methacrylate (MMA)



Fabrication of complete and partial dentures using the casting technique. Test set.

The Lycran Trial Set consists of:

- Lycran Denture Resin, 100 g powder + 100 g liquid
- Fegura® Sil Lycran, 400 g A + 400 g B, special silicone for the denture casting technique
- Lycran Isolation, 100 ml, is for gypsum models using the denture casting technique

Supply form	Art. no.
Lycran Trial Set	LY0100M

Lycran Bond

Bonding agent for cross-linked resin dentures and denture base resins



The mechanically roughened teeth are thinly coated with Lycran Bond. No "puddles" must be left. All the teeth treated this way are left to dry off for 2-3 min. The resin is then applied.

Supply form	Art. no.
50 ml bottle	LY0160

DENTURE CASTING TECHNIQUE

ACRYLIC DENTAL RESINS

Lycran Isolation

Isolation is for gypsum models using the denture casting technique



The isolation forms a homogenous film, which results in a smooth surface of the resin and ensures top fitting accuracy for the denture.

Supply form	Art. no.
500 ml bottle	LY0170
1000 ml bottle	LY0175

Brush for Lycran Isolation

Brush for applying Lycran Isolation to gypsum models



Supply form	Art. no.
2 pcs.	LY0180

Fegura® Sil Lycran

Special silicone (addition-curing) for the denture casting technique



Fegura® Sil Lycran is a low viscosity, addition-curing silicone for the denture casting technique. Suitable for embedding prostheses using the Lycran technique. Not suitable for duplication in the model cast technique. The silicone molds are non-oily and result in silk-matt, homogenous denture surfaces that are easy to polish. The matched mechanical properties allow precise repositioning of resin dentures.

Both components are mixed in a weight ratio of 1:1.

Technical data	
Colour	A: pink; B: steel blue
Processing time	approx. 5-6 min. (22 °C)
Easy release	after approx. 30 min (22 °C)

Supply form	Art. no.
1 kg A + 1 kg B	LY0140
6 kg A + 6 kg B	LY0145
25 kg A + 25 kg B	LY0150

Lycran flask

Flask for the denture casting technique, including piercing tube



The Lycran flask consists of a transparent plastic lid, a base plate made of stainless steel and an integrated bottom part for scalding.

Including a pipe (diameter 8 mm) to pierce the channels.

Supply form	Art. no.
1 flask	LY0190

Fegupol KU-100 NEW

Polish for acrylic dental resins based on acrylic



Fegupol KU-100 NEW is especially well suited for prepolishing and high lustre polishing of acrylic dental resins after finishing with sand paper or rubber polishing.

Detailed processing instructions are included.

Supply form	Art. no.
200 g jar	8078-200
400 g jar	8078-400

Lycran Polish Cream

Polishing cream for super high lustre of acrylic dental resins



In order to achieve a super high-lustre surface on dentures after polishing with Fegupol KU-100 NEW, the use of Lycran Polish Cream is an absolute must for every dental technician.

You will be amazed!

Detailed processing instructions are included.

Supply form	Art. no.
100 g jar	LY0220

Polishing brushes

Polishing brush, diameter: 80 mm



With black Chungking bristles, 3-row, dual linen insert and plastic core. For optimal prepolishing of acrylic dental resins and veneering composites.

Total Ø 80 mm, core Ø 40 mm

Supply form	Art. no.
10 pcs. Ø 80 mm	RI0120

ACRYLIC DENTAL RESINS

Lycran tooth sieve

Tooth sieve



With the Lycran tooth sieve you can scald resin dentures with ease. The arrangement of compartments in the odontogram configuration avoids confusing the teeth.

Supply form	Art. no.
1 pc.	LY0300

Lycran dosing spoon

Dosing spoon



Volume: 15 ml

Supply form	Art. no.
2 pcs.	LY0310

Lycran fine balance

Balance



Indispensable aid for precise dosing of powder and liquid for acrylic dental resins. Only an accurate mixing ratio ensures the mechanical properties of the resin and a low residual monomer content. With a large stainless steel weighing surface. Weighing range: up to 500 g
Accuracy: 0.05 g

Lycran mixing spatula

Mixing spatula



Material: polypropylene (PP)

Supply form	Art. no.
5 pcs.	LY0340

Lycran mixing cup

Mixing cup



Material: polypropylene (PP)
Volume: 100 ml

Supply form	Art. no.
2 pcs.	LY0330

ABRASIVES



ABRASIVES

ALUMIX & KORUMIX M

Alumix

Abrasive consisting of high-quality corundum



Alumix is suitable for removing model casting investment material quickly and for processing of ceramic work and bonding alloy frameworks (gold, palladium and non-precious metal alloys) as well as a retention material for acrylic veneers on metal frameworks. Suitable for pen, wet and dry blasting units.

Fe-free, no risk of silicosis

Colour: white

Supply form	Art. no.
8 kg - 30 µm	7040
25 kg - 30 µm	7043
8 kg - 50 µm	7046
25 kg - 50 µm	7048
8 kg - 120 µm	7041
25 kg - 120 µm	7044
8 kg - 150 µm	7047
25 kg - 150 µm	7045
8 kg - 250 µm	7042
25 kg - 250 µm	7049



Korumix M

Special abrasive mixture on the basis of highly pure corundum

For controlled blasting of the model casting investment material. Extremely hard additives allow rapid and clean removal of the investment material and surface oxides in the dry-blasting unit.

Fe-free, no risk of silicosis

Colour: white

Supply form	Art. no.
8 kg - 250 µm	7030
25 kg - 250 µm	7031

Normal corundum

Abrasive made of aluminium oxide for thorough blasting of the model casting investment material

Low Fe cont. (< 0.2%), no risk of silicosis

Colour: brownish

Supply form	Art. no.
8 kg - 250 µm	7036
25 kg - 250 µm	7038

Perla-Glass

Glass beads for blasting covering the entire range of precious metal, milling, attachment and model casting techniques.

Wet and dry application

no risk of silicosis

Supply form	Art. no.
8 kg 1-50 µm	7010
25 kg 1-50 µm	7013
8 kg 40-70 µm	7011
25 kg 40-70 µm	7014
8 kg 70-110 µm	7012
25 kg 70-110 µm	7015

POLISHING

Overview	50
Polishing pastes	51

















POLISHING

POLISHING PASTES

- 1 Bio alloys
- 2 Precious metals
- 3 Telescopic work
- 4 Conus and attachment work
- 5 Non-precious metals / model casting
- 6 Titanium
- 7 Ceramic
- 8 Acrylic denture resins
- 9 Composites
- 10 Zirconia ceramic

Choose the suitable polishing paste for your intended application:

Product	Advantages	1	2	3	4	5	6	7	8	9	10
 Universal polishing cream PG50 with diamond	Diamond polishing cream for bio alloys and precious metals	●	●								
 Universal polishing cream PG50	For bio alloys and precious metals	●	●								
 SUNNY BOY MO with diamond	Fast polishing of model cast frameworks, suitable for the polishing box			●	●	●					
 Fegupol NP	Prepolishing of model cast frameworks with the polishing box			●	●	●					
 Fegupol polishing paste 8048	High-lustre for precious metal, non-precious metal alloys, resins and composites	●	●						●		
 Fegupol Hi-Lustre	High lustre polishing paste especially for telescope, conus and attachment work			●	●						
 Fegupol polishing paste 8059 with diamond	The all-purpose answer, universally applicable, especially for non-precious metal alloys		●	●	●	●		●	●	●	
 Fegupol Diabra with diamond	A must for all ceramics, as well as non-precious metal alloys and composites					●			●	●	
 Fegupol Ti-99	Highly effective and economical polishing paste, especially for titanium						●				
 Fegupo KU-100	Pumice was yesterday, 100% pumice substitute, prepolishing and high lustre polishing								●		
 PROTOFIX POLISH CREAM	A special kind of super-high lustre for acrylic dental resins - the absolute burner!								●		
 Fegupol COMPO+ with diamond	For composites, especially for hard hybrid composites									●	
 Fegupol Compo GL with diamond	For all standard composites									●	
 Fegupol ZIRKOPOL with diamond	For all Zirconia ceramics										●

Universal polishing cream PG 50 with diamond

for bio alloys and precious metals



Creamy, abrasive polishing paste for perfect super high lustre polishing of all precious metal alloys, especially suitable for bio alloys.

Colour: grey

Supply form	Art. no.
5 g jar	8038
50 g jar	8041

Universal polishing cream PG 50

for soft bio alloys, precious metals



Mild, creamy polishing paste for perfect high lustre from prepolishing through to super finish in one work step for soft precious metal alloys (bio alloys).

Colour: white

Supply form	Art. no.
5 g jar	8039
50 g jar	8040

Sunny Boy MO with diamond

for non-precious alloys (CoCr, NiCr)



An especially dense, high-lustrous surface of dental alloys is of utmost importance. This is the prerequisite for avoiding plaque deposits and thus for a longer lifetime of dentures. Sunny Boy MO is an abrasive polishing paste, particularly suitable for CoCr- and NiCr alloys. Perfect high lustre from prepolishing to mirror finishing in a single working step is possible, because of the optimized composition of abrasives. Sunny Boy MO is wax-bound and ensures clean and almost dust-free processing. Thus the paste adheres extremely well to the polishing brush and offers economical consumption.

Colour: green

Supply form	Art. no.
200 g bar	8073

Fegupol NP

for non-precious metal alloys



Prepolishing of all non-precious alloys (Co Cr) on the polishing box

Colour: white

Supply form	Art. no.
700 g bar	8071

Fegupol polishing paste 8048

for bio alloys, precious metals, resins, composites



Dry polishing paste for perfect super high lustre polishing of all precious metal alloys and high lustre polishing of dental resins.

Colour: orange

Supply form	Art. no.
100 g bar	8048

Fegupol Hi-Lustre

for precious metals, telescopic work, conus and attachment work, non-precious metals / model casting, resins, ceramic, composites



Fine high lustre for all precious metal alloys (apart from bio alloys), non-precious metals, dental resins and composites.

Colour: orange

Supply form	Art. no.
300 g bar	8067

POLISHING

POLISHING PASTES

Fegupol polishing paste 8059 with diamond

for precious metals, telescopic work, conus and attachment work, non-precious metals / model casting, ceramic, composites



Very abrasive polishing paste with diamond for prepolishing high lustre polishing on hard precious metal alloys. Fegupol 8059 is especially well suited for fast polishing of primary and secondary parts using the telescope technique.

Colour: red

Supply form	Art. no.
40 g jar	8059

Fegupol TI-99

for titanium



Greasy, abrasive polishing paste for pure titanium – perfect high lustre from prepolishing to mirror finishing.

Colour: white

Supply form	Art. no.
250 g bar	8079

Fegupol KU-100 NEW

Mild special polishing paste for pre- and high lustre polishing of acrylic dental resins



Polishing acrylic dental resins with pumice suspensions is a dirty and also often unhygienic work step. Fegupol KU-100 NEW polishing paste provides the remedy: acrylic dental resins are prepolished and high lustre polished in a single work step. The result is convincing. An especially dense and high lustre surface is essentially important. This is the prerequisite for avoiding plaque deposits and thus for a longer lifetime of dentures.

Colour: white

Supply form	Art. no.
200 g bar	8078-200
400 g bar	8078-400

Fegupol Diabra with diamond

for telescopic work, conus and attachment work, non-precious metals / model casting, ceramic, composites



For handpiece polishing of composites, ceramic, non-precious alloys. Perfect high lustre from prepolishing to mirror finishing.

Colour: grey

Supply form	Art. no.
30 g jar	8069

PROTOFIX POLISH CREAM

Super high-lustre polishing of acrylic dental resin



PROTOFIX POLISH CREAM: Polish cream for super high-lustre polishing of acrylic denture resin. In order to achieve a super high-lustre surface on dentures after polishing with KU 100 NEW (REF 8078), the use of PROTOFIX POLISH CREAM is an absolute must for every dental technician.

Supply form	Art. no.
100 g jar	P8000

Fegupol Compo+ with diamond

for composites, especially for hard hybrid composites



Top polishing paste especially for handpiece polishing of composites. Perfect high lustre from prepolishing to mirror finishing.

Colour: grey

Supply form	Art. no.
40 g jar	8070

Fegupol CompoGL with diamond

for standard composites



Universal diamond polishing paste for composite veneers.

Colour: beige

Supply form	Art. no.
25 g jar	P00112

Fegupol Zirkopol with diamond

Special polishing paste for Zirconia ceramic



Top polishing paste especially for Zirconia ceramic.

Perfect high lustre from prepolishing to mirror finishing.

Colour: grey

Supply form	Art. no.
30 g jar	8075



Polishing set 8100

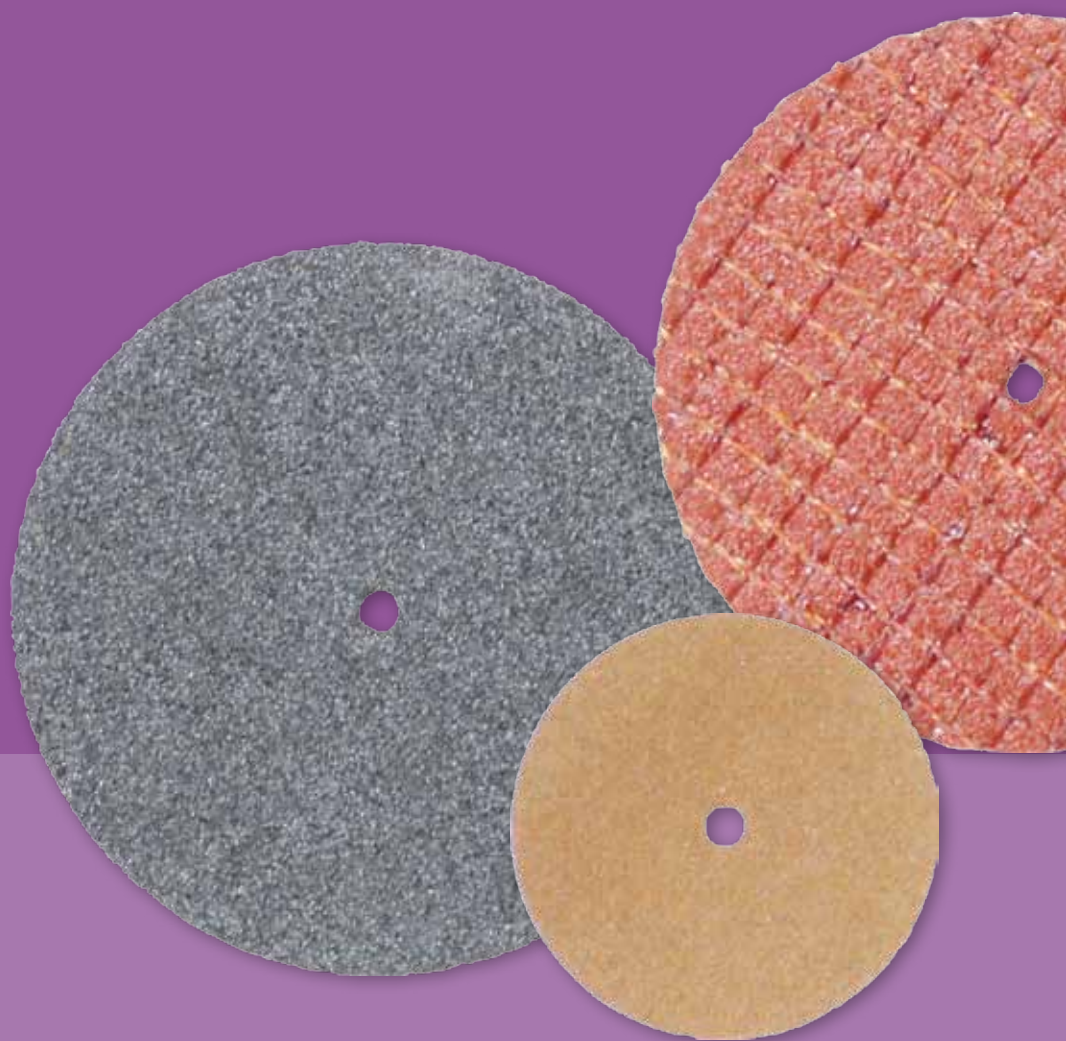


Complete polishing set with diamond polishing paste Fegupol 8059 for quick prepolishing and high lustre polishing of hard precious metals, non-precious metal alloys and dental ceramic.

Set consisting of:

Technical data	
Polishing paste	Fegupol 8059, 40 g jar
Felts	1 x 8105; 1 x 8106; 1 x 8107; 1 x 8108; 3 x 8110; 3 x 8111
Brushes	3 x 8120; 3 x 8121; 3 x 8122; 3 x 8125; 3 x 8126; 3 x 8127; 3 x 8130; 3 x 8131; 3 x 8132
Bufs	1 x 8140; 1 x 8150
Accessories	3 x 8160; 3 x 8161; 3 x 8162; 2 x 8170

Supply form	Art. no.
1 set	8100



ROTATING TOOLS

Separating discs
Polishing brushes

56

57



ROTATING TOOLS

SEPARATING DISCS & POLISHING BRUSHES

Separating disc 8014

Separating disc for model casting



Diameter: 25 mm
Height: 0.6 mm

Supply form	Art. no.
1 box with 100 pcs.	8014

Separating disc 8019

Separating disc for model casting, glass fibre reinforced



Diameter: 25 mm
Height: 1.0 mm

Supply form	Art. no.
1 box with 25 pcs.	8019

Separating disc 8017

Separating disc for model casting



Diameter: 25 mm
Height: 2.0 mm

Supply form	Art. no.
1 box with 100 pcs.	8017

Separating disc 8015

Separating disc for model casting



Diameter: 38 mm
Height: 0.6 mm

Supply form	Art. no.
1 box with 100 pcs.	8015

Separating disc 8018

Separating disc for model casting, glass fibre reinforced



Diameter: 38 mm
Height: 1.0 mm

Supply form	Art. no.
1 box with 25 pcs.	8018

Separating disc 8016

Separating disc for ceramic + precious alloys, glass fibre reinforced



Diameter: 22 mm
Height: 0.25 mm

Supply form	Art. no.
1 box with 100 pcs.	8016

Separating disc 8032

Separating disc for ceramic + precious alloys



Diameter: 22 mm
Height: 0.30 mm

Supply form	Art. no.
1 box with 100 pcs.	8032

Brush, goat hair, white, extra soft

Polishing brush, goat hair, white, mounted, shaft: 2.34 mm



Supply form	Art. no.
12 pcs. Ø 16 mm	RI0030-16
12 pcs. Ø 19 mm	RI0030-19
12 pcs. Ø 22 mm	RI0030-22

Brush, goat hair, grey, soft

Polishing brush, goat hair, grey, mounted, shaft: 2.34 mm



Supply form	Art. no.
12 pcs. Ø 16 mm	RI0040-16
12 pcs. Ø 19 mm	RI0040-19
12 pcs. Ø 22 mm	RI0040-22

Buff, muslin cloth

Buff, muslin cloth, white mounted, shaft: 2.34 mm



Supply form	Art. no.
12 pcs.	RI0050

Buffing wheel, flannel cloth

Buffing wheel, flannel cloth, white mounted, shaft: 2.34 mm



Supply form	Art. no.
12 pcs.	RI0060

Cotton thread buffing wheel

Cotton thread, white mounted, shaft: 2.34 mm



Supply form	Art. no.
12 pcs.	RI0070

ROTATING TOOLS

POLISHING BRUSHES

Felt cylinder

Shaft: 2.34 mm



Supply form	Art. no.
25 pcs. 15 x 4 mm	8110
25 pcs. 15 x 6 mm	8111

Pen brush

Shaft: 2.34 mm



Supply form	Art. no.
50 pcs.	8160

Wood polishing sticks

Wood polishing sticks



Supply form	Art. no.
50 pcs.	8161

Holder for wood polishing sticks

Shaft: 2.34 mm



Supply form	Art. no.
25 pcs.	8162

Polishing brush

Polishing brush, diameter: 80 mm



With black Chungking bristles, 3-row, dual linen insert and plastic core. For optimal prepolishing of acrylic dental resins and veneering composites.

Total Ø 80 mm, core Ø 40 mm

Supply form	Art. no.
10 pcs. Ø 80 mm	RI0120



General terms and conditions of business of Feguramed GmbH

No.1 General

- (1) We deliver exclusively under the conditions of our offer resp. our written confirmation of order in conjunction with these general terms and conditions of business. We will not recognize contradictory, or terms and conditions deviating from the customers terms and conditions, unless we had agreed to them in writing.
- (2) Verbal subsidiary agreements were not made. Changes and supplements must be made in writing in order to be valid.
- (3) These terms of business shall also be binding for any follow-up business and any additional orders.

No.2 Contractual offer and conclusion

- (1) Our offers are made subject to change. The customer shall be bound to his offer (order) for one month.
- (2) The contract shall be legally effective upon receipt of delivery or receipt of the confirmation of order.

No.3 Rescission of contract

- (1) We have the right to rescind the contract if
 - (a) we receive information about circumstances which justify the assumption that the customer will not meet his contractual obligations in a proper manner and thus furnishing of consideration is put in danger (in particular cessation of payments, petition for commencement of insolvency proceedings, protests, etc.),
 - (b) force major prevents the fulfillment of delivery commitments not only for a limited period,
 - (c) delivery commitments can not be fulfilled due to non-delivery by third parties for which we are not liable,
 - (d) unforeseen non-contractual charges (import duties, taxes or other surcharges on the contracted goods, fluctuating exchange rates) which do not have to be paid by the customer and for which we are not liable, render the fulfillment of the contractual obligations difficult or even impossible,
 - (e) the customer does not adhere to the provisions on the reservation of ownership (No.9).
- (2) In the event of rescission, we are entitled to seize the contracted goods, transport them away or demand return of goods; in the cases of Para. (1) (a) the resulting costs shall be paid by the customer.
- (3) If the customer desires to rescind the contract for reasons we are not responsible for, he shall be liable to pay compensation for loss of profit and reimbursement of expenses that can not be regained in a different manner.

No. 4 Prices and terms of payment

- (1) Prices are in EURO ex works Feguramed excluding turnover tax and costs of packing, insurance, loading and unloading, etc. Services not expressly included upon conclusion of the contract, which, however, are necessary to carry out the order or which are performed upon request of the customer, shall be invoiced additionally.
- (2) We reserve the right to modify our prices accordingly, if – after conclusion of the contract – cost reductions or cost increases, in particular due to higher material prices, duties, taxes, other surcharges on the contracted goods, fluctuations of foreign exchanges or higher material costs arise. We will document these upon request of the customer.
- (3) We grant a discount of 2% of the invoice amount if payment is effected within 14 days after delivery of the goods. All invoices must be paid net within 30 days.
- (4) If the customer exceeds the period of payment, we are entitled to charge penal interest amounting to 5 % above the respective basic interest rate without the obligation to put the customer in default. In these cases, we shall be additionally entitled to cancel price advantages such as discounts, etc. and withhold deliveries to the customer – also due to other orders – until the settlement of the arrears. In case of failure to keep up the installments due, the entire unsettled accounts resulting from all business transactions will become due immediately.
- (5) The customer may only set off uncontested counterclaims or counterclaims recognized by declaratory judgment for claims from us. Furthermore, he shall only be entitled to assert the retention rights in so far as the counterclaim is based on the same contractual relationship.
- (6) Checks and drafts are only accepted on account of performance. Performance shall also not be considered to be fulfilled if the customer pays by check but makes us issue a draft to cover the check amount and any additional costs (so-called check-draft coverage). Discounting cost and bill charges shall be borne by the customer.

No.5 Delivery

- (1) We are entitled to undertake and invoice reasonable partial delivery. We reserve the right to perform design and dimensional changes of the contracted goods remain in so far as the subject matter of the contract is not considerably changed and the changes are reasonable for the customer.
- (2) Information on delivery periods is not binding, in so far as it has not been expressly identified as binding.
- (3) We shall not be liable for delays beyond our control, non-deliveries and damage due to force majeure, strikes, lockouts, etc. Liability shall also be excluded in particular if the delivery is delayed or not effected owing to the customer's fault or the customer's vicarious agent. If the delivery period agreed upon is not adhered to because a supplier does not supply the contractual goods or parts required for those goods in due time or at all, we shall not be liable if we are not responsible for these circumstances
- (4) It is expressly set forth that the suppliers are not persons employed by us in performing an obligation (vicarious agents).

No.6 Passing of risk and shipment

- (1) The contracted goods shall be transported from the respective place of dispatch at the customer's risk. Shipment is carried out at the customer's risk and expense. As soon as the goods are dispatched, all risks shall pass to the customer irrespective of individually agreed types of delivery even if we carry out transporting of goods ourselves.
- (2) If the contracted goods are picked-up accordingly, the risk shall pass to the customer once the readiness to collect the goods has been reported by us.
- (3) If the customer is in default of acceptance of the goods and after granting an adequate extension of 14 days, we may rescind from the contract or we may store the goods at the customer's risk and expense. Additionally, after previous warning, we shall be entitled to sell the goods by public auction or sell them at the expense and on account of the customer. The risk of incidental decline or an incidental deterioration of the contracted goods will pass on to the customer at that time, at which we was unable to accept the goods.

No.7 Notices of defects

- (1) Notices of defects and other complaints must be sent directly to Feguramed in writing within one week after receipt of the goods – in case of latent defects within a preclusive period of one week after detecting the defect. As far as nonmerchants are concerned, this provision shall only apply to obvious defects subject to the proviso that the preclusive period extends to two weeks after detecting the defect. In other respects the legal provisions shall apply for this category of persons.
- (2) Notices of defects and other complaints do not entail the right to withhold invoice amounts.
- (3) The customer must reimburse us all expenses that result from furnishing notices of defects proved to be unfounded.

No.8 Deficiency Claims and Liability

should for any other reason, the elimination of the defect or delivery of substitute goods fail, the customer may at his option demand reduction of payment or rescind the contract.

- (3) If the customer is unable to return the services received, he may only cancel the contract on the basis of defects of contracted goods, if the return is not possible according to the nature of the received service and we can be held liable for the impossibility to return or a deficiency has only become apparent after processing or modifying the goods.
- (4) The customer shall only be entitled to withdraw from the entire contract and to receive compensation instead of the complete service, if he has no interest on the provided service under application of an objective standard.
- (5) For substantial foreign products, our liability shall be limited to the cession of claims which we are entitled to against the supplier of the foreign products. If the supplier of the external products can not be held liable, the customer has the right to assert deficiency claims defined in these terms and conditions against us.
- (6) We can not be held liable for unsuited or improper use or care, natural useage, chemical as well as electrochemical or electronic influences, improper ambient conditions or lack of care in so far as we are not at fault to these influences. If such a deficiency has occurred after the customer had provided us with improper or incomplete information of the contracted goods, in particular with regard to the use, dimensions and technical specifications, we will not assume any liability.
- (7) Notwithstanding the legal right of rescission in case of delay in delivery we shall be liable for other damages, if these are not carried over from one of our guaranties governing the quality of contracted goods, exclusively according to the following provisions:
 - We are liable for damages or compensation for expenses according to the legal regulations for damages, which are caused by malicious behavior, for damages caused intentionally or by gross negligence through our legal representatives or executive staff, for the injury of life, body or health and for damages in accordance to the Product Liability Act. For claims under the manufacturer liability according to para 823 BGB (Civil Code) our liability shall be limited to the compensation of the insurance, in so far as no case of the second item of this section (listing) is at issue and there is only minor foreseeable, contract-typical damage. Should the insurance not or only partially compensate, we shall be held liable for a maximum of EURO 500,000.
 - We are liable for damages or compensation for expenses limited to the value of a foreseeable contract-typical damage for grossly negligent violation of substantial contractual obligations or essential obligations. This liability does not include damages caused to the delivery item itself, e.g. in particular lost profit, indirect damages, consequential damages caused by deficiencies and third party claims. We are responsible for furnishing proof of non-negligent causation.
 - We are liable for damages or compensation for expenses limited to the value of a foreseeable contract-typical damage caused by our vicarious agents either intentionally or through gross negligence without violating substantial contractual obligations or cardinal obligations. We are responsible for furnishing proof of only slightly negligent violation.

In so far as we are liable for consequential damages caused by deficiencies without having provided a guarantee to the condition of the delivery item, and no case of para. 7, first item of the listing is at issue, the liability shall be limited to 5% of the contracted value. Should the customer explicitly demand a higher liability, we will make every effort to increase the insurance coverage, at his cost.

In other respects any liability shall be excluded. As far as our liability is excluded, this also applies to personal liability of employees, workers, staff, representatives and vicarious agents.

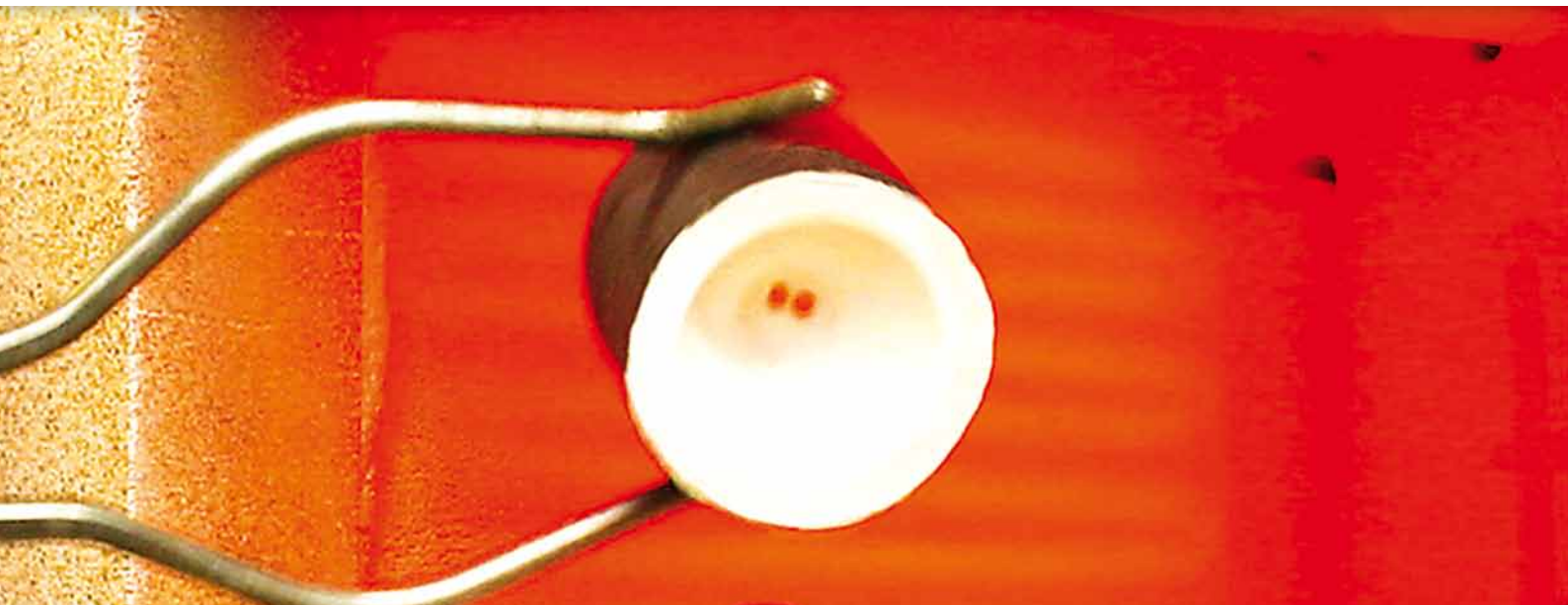
- (8) The statutory period of limitation for deficiency claims is 12 months following delivery to the customer or to a third party named by the customer. In the event of liability for the violation of collateral or preliminary contract obligations or tort, which are not based on a deficiency of the delivery item, the customer's claims will be statute-barred two years after delivery. As far as we are held liable according to para 7, first item of the listing, the same limitation period shall be applicable notwithstanding sentence 1 and 2.

9. Retention of ownership

- (1) The delivered goods remain our property until all our claims have been settled, regardless of the legal grounds, as well as the bills and checks given to us have been cashed, even if the purchase price for specially designated claims has been paid.
- (2) Checks and bills are only considered as being fully paid after final payment without any risk of recourse. Retention of ownership in the so-called check procedure shall also include the customer's paying of the bill accepted by Feguramed and shall not lapse if the check is credited to us.
- (3) As far as current accounts are concerned, the retained title to the goods is considered as security for the open balance. Treatment or processing of goods under retention of title is carried out free of charge upon our request without any obligation in such way that we are to be regarded as manufacturer in accordance with § 950 BGB (Civil Code), i.e. we shall retain title to the goods at any time and stage of treatment or processing. If goods are processed by the customer with other goods that are not our property, we shall have co-ownership of the new goods equivalent to the ratio of the invoice value of the goods under retention of title to the other processed goods at the time of processing. In all other respects, the same applies to the new goods that resulted from processing as to the goods under retention of title. They are considered to be goods under retention of title within the scope of these provisions.
- (4) The customer's claims resulting from the resale of the goods under retention of title are transferred to us to secure all our claims resulting from the business relation regardless whether the goods under retention of title are resold without being processed or after processing or if they are resold to one or several customers.
- (5) The customer shall only be entitled and authorized to resell goods subject to reservation on the basis of a sales contract, contract for work and services, contract for work and materials or a similar contract, if the claim from the resale is transferred to us. The customer shall not have any other powers of disposal of the goods under reservation of title. At our request the customer shall be obliged to inform the third party (customer/orderer) about assigning the title to us.
- (6) In the event of delay in payment of the customer or in the event of commencement of insolvency proceedings against the customer, the entire balance of debt becomes due; this also includes long-dated bills. In this case the right to use goods under retention of title shall lapse and we may ask the customer to return these goods immediately. The resulting costs as well as the costs of a possible resale shall be borne by the customer. We shall, however, be entitled to estimate these costs on a flat-rate basis of 30 % if the customer is unable to prove that lower costs have accrued. Costs that go beyond that must be documented by Feguramed. If the amount is lower than the unsettled total claim against the customer plus the repossession (sale/disposition costs), the customer must pay the balance.

10. Place of jurisdiction and concluding provision

- (1) The contractual relations are subject to the jurisdiction of the Federal Republic of Germany. The applicability of the United Nations Convention on Contracts for the International Sale of Goods (CISG) is expressly excluded.
- (2) Place of jurisdiction for any disputes resulting from the contractual relationship as well as from other business relationships between the customer and Feguramed, as far as the customer is a merchant, a legal person under public law or special assets under public law, shall be 74821 Mosbach / Baden, Germany. As an alternative, we are also entitled to file a lawsuit at the customer's domicile.



**Based on competence accumulated over 30 years,
Feguramed offers consumables and systems optimally
tailored to the demands of the dental laboratory.**

**We are pleased to be your reliable
partner for a successful future.**



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