

The appropriate investment materials.

rema® dynamic S – The perfect universal investment material.

rema® dynamic S is particularly flexible in its application and is easy to process. High edge strength and smoothness together with coordinated expansion lead to an excellent accuracy of fit, even in the case of complicated frameworks.

- Complete flexibility in the preheating stage.
- Highly suitable for combination prosthetics.
- Universally suitable in all duplicating procedures.
- Excellent accuracy of fit.

rema® Exakt F – Excellent results under all laboratory conditions.

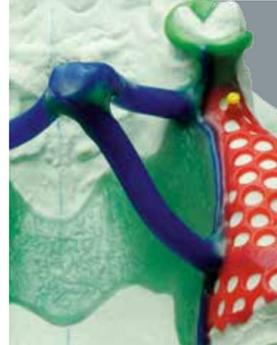
With rema® Exakt F, the research department at Dentaaurum has succeeded in improving on the proven classic among investment materials, rema® Exakt. The new, finer grain size makes this investment material even more attractive and its excellent processing properties and accuracy of fit are convincing features. The recipe, which has proven itself millions of times, has been improved even more.

- Improved development of the classic, rema® Exakt.
- Very easy and pleasant to process.
- High level of accuracy of fit.
- Especially easy deinvesting.

rema® CAD/Vest – the ideal investment material for semi-digital technology.

rema® CAD/Vest is low-reacting, has good wetting properties and has been especially developed to invest 3D-printed materials.

- Very smooth surface.
- Long workability.
- Several partial dentures can be embedded simultaneously.
- Also for crowns and bridges.



Dentaaurum

Germany | Benelux | España | France | Italia | Switzerland | Australia | Canada | USA
and in more than 130 countries worldwide.



DENTAURUM
QUALITY
WORLDWIDE
UNIQUE



www.dentaaurum.com



PARTIAL DENTURE ALLOYS

| | rema® <i>dynamic S</i> | rema® <i>Exakt F</i> | rema® <i>CAD/Vest</i> |
|------------------------|---|---|---|
| Processing time | 3 mins - 4 mins | 3 mins - 4 mins | 6 mins - 8 mins |
| Preheating | <ul style="list-style-type: none"> ■ Constant preheating ■ Partial speed preheating ■ Speed preheating | <ul style="list-style-type: none"> ■ Constant preheating ■ Preheating with holding time | <ul style="list-style-type: none"> ■ Constant preheating ■ Speed preheating |
| Preheating temperature | 900 °C - 950 °C / 1652 °F - 1742 °F | 950 °C - 1000 °C / 1742 °F - 1832 °F | 850 °C / 1562 °F |
| Compressive strength | 12 MPa | 10 MPa - 14 MPa | 4 MPa |
| Shade | green | pink | white |
| Investment material | REF 105-600-50 (20 kg – 112 x 180 g) REF 105-610-50 (20 kg – 40 x 500 g) REF 105-609-50 (8 kg – 16 x 500 g) | REF 105-020-50 (20 kg – 50 x 400 g) REF 105-021-50 (20 kg – 100 x 200 g) REF 105-008-50 (8 kg – 20 x 400 g) | REF 105-725-00 (20 kg – 80 x 250 g) REF 105-726-00 (5 kg) |
| Mixing liquid | REF 105-620-50 (1 l standard) REF 105-623-50 (1 l speed) REF 105-502-00 | REF 105-501-00 (1 l) REF 105-502-00 | REF 105-728-00 (1 l) |

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Subject to modifications

D
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remanium® **R**

R
GM 800+
GM 280
GM 900
GM 380+

D
DENTAURUM

The remanium® partial denture alloys.



remanium®
GM 800+

- The alloy with a high modulus of elasticity and an extremely high 0.2 % yield strength.
- This combination enables the construction of delicate designs with an extremely high spring force.

Extra spring hard



remanium®
GM 280

- Easy finishing and polishing due to low surface hardness.
- High elongation at rupture prevents clasp fractures.

Easy to process



remanium®
GM 900

- Very good laser welding properties since there is no carbon in the alloy.

Universal



remanium®
GM 380+

- Pleasant traditional alloy with a wide range of applications.

Proven durability



HIGHLIGHTS.

The superlatives from Dentaureum.

Dentaureum has always been renowned for a comprehensive product range with all the materials necessary for fabricating partial denture frameworks. The remanium® partial denture alloys have a high degree of elasticity and set standards for maximum mechanical loading capacity. For this reason partial denture frameworks made of remanium® can be designed to be very thin and delicate.

All Dentaureum partial denture alloys provide:

- Easy castability.
- Prevention of overheating due to mirror effect on melt surface.
- High-gloss surfaces.
- Wide range of indications.

Special advantages:

- Ideal universal alloy with very high yield strength, remanium® GM 800+ has an extremely high degree of spring hardness.
- Low hardness value, making it easy to process: remanium® GM 280.
- Even less brittleness and easier to laser due to its carbon-free composition: remanium® GM 900.
- Tolerant alloy for all melting procedures: remanium® GM 380+.

Safety through certified quality

Best biocompatibility:

Laboratory tests confirm the outstanding corrosion resistance, and tests conducted by independent institutes acknowledge the biological compatibility on the basis of cytotoxicity tests. Please inquire for our certifications. All partial denture alloys are free of beryllium, iron, nickel, indium, gallium and copper.



Technical data

| | | |
|-----------------------|-------------------|----------|
| 0.2 % yield strength | R _{p0.2} | 720 MPa |
| Tensile strength | R _m | 960 MPa |
| Hardness | H | 370 HV10 |
| Elongation at rupture | A ₅ | 4% |
| Modulus of elasticity | E | 230 GPa |

Availability

1000 g REF 102-200-10



Technical data

| | | |
|-----------------------|-------------------|----------|
| 0.2 % yield strength | R _{p0.2} | 600 MPa |
| Tensile strength | R _m | 845 MPa |
| Hardness | H | 280 HV10 |
| Elongation at rupture | A ₅ | 11% |
| Modulus of elasticity | E | 190 GPa |

Availability

1000 g REF 102-280-00

Technical data

| | | |
|-----------------------|-------------------|----------|
| 0.2 % yield strength | R _{p0.2} | 700 MPa |
| Tensile strength | R _m | 910 MPa |
| Hardness | H | 340 HV10 |
| Elongation at rupture | A ₅ | 5% |
| Modulus of elasticity | E | 210 GPa |

Availability

1000 g REF 102-250-00



Technical data

| | | |
|-----------------------|-------------------|----------|
| 0.2 % yield strength | R _{p0.2} | 640 MPa |
| Tensile strength | R _m | 900 MPa |
| Hardness | H | 360 HV10 |
| Elongation at rupture | A ₅ | 6.5% |
| Modulus of elasticity | E | 220 GPa |

Availability

1000 g REF 102-001-10