

remanium® – Certificate of warranty



remanium® casting alloys are produced in one of the most modern continuous cast induction systems.



To maintain our high standard of quality, test samples of each batch of alloy are taken regularly and analyzed by our experienced metallurgists according to DIN EN ISO standards.



Due to the low thermal conductivity of **remanium®** alloys, the patient will not experience sensitivity to hot and cold foods. **remanium®** crown and bridge and partial denture alloys can be used for combination work. These restorations are comfortable and do not interfere with the taste of food.



remanium® alloys polish to a brilliant finish and the crown and bridge alloys can be covered with either porcelain or acrylic.

All **remanium®** alloys are free of beryllium, gallium, indium and cadmium. **remanium®** CoCr alloys are nickelfree*.

* in accordance with ISO 6871-1

Certificate of warranty for remanium® dental alloys

CERTIFICATE

Your partner for
remanium® casting



remanium®

Dentaurum medical products –
the right decision for proven, excellent quality

Technical datas	0.2% Proof stress MPa	Tensile strength MPa	Hardness HV 10	Extension	Modulus of elasticity MPa	Specific gravity g/cm ³	Solidus – Liquidus point	WAK 25–500 °C / 77–932 °F
remanium® GM 380 +	640	900	360	6.5%	220000	8.2	1300–1370 °C	
remanium® GM 800 +	720	960	370	6%	230000	8.2	1240–1410 °C	
remanium® GM 900	700	910	340	5%	210000	8.2	1360–1410 °C	
remanium® star	620	845	280	10.2%	190000	8.6	1320–1420 °C	14.1 x 10 ⁻⁶ K ⁻¹
remanium® secura	760	940	340	5.3%	211000	8.6	1329–1385 °C	14.4 x 10 ⁻⁶ K ⁻¹
remanium® 2000 +	700	900	340	7%	200000	8.6	1325–1415 °C	14 x 10 ⁻⁶ K ⁻¹
Triloy	700	900	340	6%	210000	8.6	1325–1415 °C	14.2 x 10 ⁻⁶ K ⁻¹
remanium® 2001	660	850	336	5.5%	195000	8.6	1325–1415 °C	14.2 x 10 ⁻⁶ K ⁻¹
remanium® CSe	340	580	195	15%	170000	8.2	1260–1350 °C	14 x 10 ⁻⁶ K ⁻¹
remanium® CS	340	580	195	15%	170000	8.2	1260–1350 °C	14 x 10 ⁻⁶ K ⁻¹
remanium® G-soft	310	550	210	8%	165000	8.2	1210–1240 °C	
remanium® LFC	660	950	315	11%	200000	8.2	1280–1350 °C	15.9 x 10 ⁻⁶ K ⁻¹

Chemical composition in mass percentages

GM 380 +	GM 800 +	GM 900	star	secura	2000 +	Triloy	2001	CSe	CS	G-soft	LFC
Co 64.6 / Cr 29 / Mo 5 / Si 1 Rest: Si, Mn, Ni, C	Co 63.3 / Cr 30 / Mo 5 / Si 1 Rest: Si, Mn, Ni, C	Co 62 / Cr 30 / Mo 5.5 / Si 1.2 / Nb 1.2 Rest: N	Co 60.57 / Cr 28 / W 9 / Si 1.5 Rest: Mn, Ni, Nb	Co 58 / Cr 30 / Mo 3 W 5.5 / Si 1.5 / Nb 1.25 Rest: N	Co 61.7 / Cr 25 / Mo 7 / Si 1.5 / W 5 Rest: Mn, N	Co 62 / Cr 24 / Mo 8 W 4 / Si 1.5 Rest: Mn, Ni, Co	Co 63 / Cr 23 / Mo 7.3 W 4.3 / Si 1.6 Rest: Mn, Ni	Ni 61 / Cr 26 Mo 11 / Si 1.5 Rest: Co, Fe, Al, Ce	Ni 61 / Cr 26 Mo 11 / Si 1.5 Rest: Co, Fe, Ce	Ni 66 / Cr 26.5 Mo 5 / Si 1.5 Rest: Mn, B	Co 33 / Cr 30 / Fe 29 Mo 5 / Mn 1.5 Rest: Si, Ni, C

Manufacturer's warranty: All remanium® alloys correspond to DIN standards and have the above listed physical and chemical properties. In case of justified claims Dentaurum guarantees replacement of the alloy

File / Dentist

Name of Patient:	
Address:	
Date of insertion of prosthesis:	
Framework casting	Description of work:
Combination work	
Crown	
Bridge	
	Dental alloy
	remanium® GM 380 +
	remanium® GM 800 +
	remanium® GM 900
	remanium® star
	remanium® secura
	remanium® 2000 +
Address of laboratory/signature/stamp:	
Date:	

– Remains with dentist –

File / Laboratory

Name of Patient:	
Date of delivery:	
Framework casting	Description of work:
Combination work	
Crown	
Bridge	
	Dental alloy
	remanium® GM 380 +
	remanium® GM 800 +
	remanium® GM 900
	remanium® star
	remanium® secura
	remanium® 2000 +
Address of dentist/signature/stamp:	
Date:	

– Remains with laboratory –