



ADOR- Dental alloys

Try now and provide yourself with special conditions!



ADOR-Edelmetalle

www.ador-edelmetalle.de

Product name	Item No.	Type	Indication	Co-lour	Content in w. %								Other	Den-sity g/cm³	Melting interval °C	Cas-ting- temp. °C	Vickers hardness HV 5					Yield point MPa					Elongation at break %					CTE *** ym/mk		Preheat- temp. °C	Solder
					Au	Pt	Pd	Ag	Cu	Zn	Sn	In					Ga	S	A	N	A-N	A-S	S	A	N	A-N	A-S	S	A	N	A-N	A-S	25–500 °C		

HIGH GOLD CONTENT BONDING CERAMIC ALLOYS

1	ADORNOVA P 200	AE 6311	4	1, 2, 3, 4, 5	++	84,4	8,0	5,0					2,5		Ir	18,2	1090 – 1210	1360	170		200	220		400		450	550		8		7	5		14,2	14,4	850	AL 1060 G / 750
2	ADORNOVA P 500	AE 6844	4	1, 2, 3, 4, 5	++	85,9	11,7						1,5		Fe, Rh, Ir, Nb, Mn, In	18,9	1040 – 1130	1280	170		200	250		440		490	620		6		4	3		14,4	14,6	850	AL 1040 PF / 750
3	ADORNOVA BPF	AE 6847	4	1, 2, 3, 4, 5	++	77,7	19,5						2,0		Ir, Ta	19,1	1090 – 1180	1320	200		220	230		460		500	520		5		4	3		13,8	14,1	850	AL 1040 PF / 750
4	ADORNOVA G	AE 6310	4	1, 2, 3, 4, 5	++	86,0	11,4						1,0		Ir, Rh, Ta, Mn	18,9	1080 – 1170	1320	130		160	170		300		420	490		15	12	15			14,0	14,3	850	AL 1020 / 750
5	ADORBOND S+	AE 6315	4	1, 2, 3, 5	+	77,2	9,6	9,0	1,5				1,4		Ir, Sn, Cu, Fe	17,6	1170 – 1280	1430	170		200	220		380		440	590		7		8	4		13,8	14,0	850	AL 1060 W / 750
6	ADORBOND U	AE 6820	4	1, 2, 3, 5	++++	77,4	9,8	8,9	1,2				1,5		Ir, Sn, Cu, Fe	18,0	1160 – 1280	1430	180		210	240		430		490	580		12		11	9		14,0	14,2	850	AL 1060 W / 750

GOLD-REDUCED BONDING CERAMIC ALLOYS

7	ADORBOND+	AE 6302	4	1, 2, 3, 4, 5	+	51,6		38,4					8,4	1,5	Ir, Ru	13,8	1200 – 1310	1460	220		220	230		470		530	560		31		30	29		13,5	13,8	900	AL 1060 W / 750	
8	ADORBOND 40	AE 6852	4	1, 2, 3, 4, 5	+	40,0		39,8	12,4			7,5			Ru, Ta	13,1	1180 – 1290	1440	240	300	260			500	650	580			6	2	6			14,1	14,3	1050	AL 1060 W / 750	
9	ADORPALL N2	AE 6854	4	1, 2, 3, 4, 6	+	15,4		52,0	20,0			5,4	6,0	1,0	Ru	12,0	1150 – 1270	1420	270		270	280				540	610		6		6	4		14,4	14,7	900	AL 1060 W / 750	
10	ADORBOND PD1	AE 6304	4	1, 2, 3, 4, 5	+			57,8	31,0			6,0	5,0		Ru	11,4	1230 – 1300	1450	220	210	180			550	490	420			4	8	10			14,9	15,1	950	AL 1060 W / 750	
11	ADORBOND PD3	AE 6305	4	2, 3, 4, 5	+	6,0		75,0	8,5			3,6		6,6	Ru	11,6	1100 – 1280	1430	270		250			510		490			20		20			13,9	14,0	950	AL 1060 W / 750	
12	ADORNOVA LIGHT	AE 6845	4	1, 2, 3, 4, 5	+			56,0	32,0			8,8	1,0	2,0	Ru	11,3	1080 – 1200	1350	260		260	280			520		560	570		8		7	7		14,8	15,0	900	AL 1060 W / 750

HIGH GOLD CONTENT MULTI-PURPOSE ALLOYS (for low-bonding special ceramics)

13	ADORBOND LFN	AE 6303	4	1, 2, 3, 5, 6	++	70,3	9,5		16,1	1,8			1,0		Rh, Ir, Zn	16,1	920 – 1000	1140	180		190	220		380		510	550		11		10	10		16,3	16,5	700	AL 880 PF / 700 PF / 750
14	ADORNOVA LC	AE 6855	4	1, 2, 3, 4, 5, 6	++	74,0	1,5	5,5	14,5		3,3		1,0		Ir, Ta	15,7	940 – 1050	1200	230		240	250	250	590		630	540	620	6		5	4	6	16,1	16,6	750	AL 920 / 700 PF / 750
15	ADORNOVA PDF	AE 6850	4	1, 2, 3, 4, 5, 6	++	75,0	9,1		13,1		2,0				Rh, Ta, Ir	16,7	1020 – 1090	1240	140		190	200	150	320		420	450	330	15		5	5	15	15,8	16,2***	750	AL 920 / 700 PF / 750
16	ADORNOVA LFC	AE 6841	4	1, 2, 3, 5, 6	++	73,8	9,0		9,2	4,4	2,0		1,5		Ir	16,7	900 – 990	1140	200		220	240	210	410		450	530	480	6		8	6	9	16,8	17,0	700	AL 880 PF / 700 PF / 750
17	ADORNOVA M-NF	AE 6856	4	1, 2, 3, 4, 5, 6	++	69,0	4,0	6,0	17,9		3,0				Ir	15,6	1000 – 1100	1250	200		210	230	230	480		480	520	490	6		7	3	6	16,2	16,6	750	AL 920 / 700 PF / 750

GOLD-REDUCED MULTI-PURPOSE ALLOYS (for low-bonding special ceramics)

18	ADORNOVA ECO	AE 6846	4	1, 2, 3, 4, 5, 6	+++	38,0		17,0	36,0				8,9		Ir	12,8	1020 – 1075	1230	210		220	240		500		550	560		3		3	3		16,9	17,3	800	AL 920 / 700 PF / 750
19	ADORNOVA EG	AE 6849	4	1, 2, 3, 4, 5, 6	++++	32,0	2,0	15,0	42,0				9,0			12,7	990 – 1060	1210	190		210	230	230	450		450	500	510	6		2	2	5	17,1	17,3	800	AL 920 / 700 PF / 750
20	ADORNOVA NF	AE 6830	4	1, 2, 3, 4, 6	++	55,0		10,0	29,0		1,4		4,0		Sn, Ir	13,7	960 – 1040	1190	220		230	250	220	500		530	580	520	4		3	3	6	17,1	17,5	800	AL 920 / 700 PF / 750
21	ADORNOVA PS	AE 6313	4	1, 2, 3, 4, 6	+			36,9	56,0		4,0	3,0			Ir	10,7	1040 – 1130	1280	150		150	190	180	370		320	460	420	15		16	12	12	16,4	16,8	900	AL 920 / 700 PF / 750
22	ADORNOVA PS+	AE 6843	3	1, 2, 3, 4, 6	+	2,0		32,9	58,0		3,5	2,0	1,5		Ir, Ru	10,8	1060 – 1120	1270	150		170	180		350		330	350		14		10	10		16,4	16,9	800	AL 920 / 700 PF / 750
23	ADORLOY ECO	AE 6831	4	1, 2, 3, 4, 5, 6	++	57,0		10,0	27,0		1,4		4,0		Ir, Sn	13,9	970 – 1050	1200	210		230	250		420		550	520		4		3	3		16,9	17,4	700	AL 920 / 700 PF / 750
24	ADORNOVA PS40	AE 6857	4	1, 2, 3, 4, 5, 6	+			39,9	51,9		4,0	2,0	2,0		Ru	10,6	1090 – 1160	1310	180		190	210	200	370		370	450	390	12		12	8	10	16,6	16,8	800	AL 920 / 700 PF / 750
25	ADORNOVA PF	AE 6312	3	1, 2, 3, 4, 6	+++	55,0	13,5		27,5		1,4		2,0		Ir, Sn	15,6	980 – 1050	1200	130		130	150	150	250		230	320	340	18		17	14	11	16,6	16,8	700	AL 920 / 700 PF / 750

HIGH GOLD CONTENT CAST ALLOYS (non-bonding)

26	ADORLOY DXI	AE 6308	4	1, 2, 3, 5	++	69,7	4,0	2,0	13,6	9,0	1,6				Ir	15,6	910 – 970	1120	240						600						15							700	AL 750
27	ADORNOVA NC	AE 6851	4	1, 2, 3, 5	++	71,6	3,7		12,7	10,8	1,1				Ir	15,5	870 – 920	1070	220						550						11							750	AL 800 / 750
28	ADORNOVA BP	AE 6848	0	1, 2	++	100											19,3	1063	1110	30					30						30							700	AL 800 / 750
29	ADORLOY PF	AE 6309	4	1, 2, 3, 5	++	71,0	4,0		12,3	12,1					Ir, Zn	15,4	890 – 940	1090	260						670						13							700	AL 800 PF / 750
30	TAKADOR PF	AE 6840	3	1, 2	++	77,0	1,0		13,0	8,5					Ir, Zn, In	15,4	910 – 940	1100	120						300						38							700	AL 800 PF / 750
31	ADOR M	AE 6815	4	1, 2, 3, 5	++	70,0	4,4	2,0	13,5	8,8	1,2				Ir	15,5	890 – 980	1130	230						550						13							800	AL 800 / 750
32	TAKADOR PLUS	AE 6842	3	1, 2, 3	++	87,9	4,0		5,0				3,0			Ir	17,7	940 – 1020	1170	160					360						9							700	AL 800 / 750

GOLD-REDUCED CAST ALLOYS (non-bonding)

33	COLINOR 2+	AE 6315	4	1, 2, 3, 5	++	57,0		5,0	24,4	11,0	2,5				Ir	13,8	870 – 920	1070	290						720						5							700	AL 800 / 750
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SPECIAL ALLOYS (non-bonding)

34	ADOR TK4	AE 6810	4	1, 2, 3, 4, 6	+	4,0		40,0	47,8		4,0	2,0	2,0		Ru	11,1	1070 – 1170	1300	190	200				200		420				470	10				10			800	AL 800 / 750
35	ADOR TK38	AE 6300	4	1, 2, 3, 4, 5, 6	+++	38,1		13,0	40,5				8,0		Mn, Ta	12,4	950 – 1040	940	200					400						7						1190	AL 750		
36	ADOR TK85	AE 6301	4	1, 2, 3, 4	++	85,3	9,9				3,0		1,0		Rh, Ir	18,2	950 – 1070	1220	180					200	410				500	4				4			800	AL 800 PF / 750	

IMPLANT ALLOYS (bonding capable)

37	ADORNOVA P 200	AE 6311	4	1, 2, 3, 4, 5	++	84,4	8,0	5,0					2,5		Ir	18,2	1090 – 1210	1360	170		200	220		400		450	550		8		7	5		14,2	14,4	850	AL 1060 G / 750
38	ADORNOVA BPF	AE 6847	4	1, 2, 3, 4, 5	++	77,7	19,5					2,0			Ir, Ta	19,1	1090 – 1180	1320	200		220	230		460		500	520		5		4	3		13,8	14,1	850	AL 1040 PF / 750
39	ADORIMPLANT I	AE 6307	4	1, 2, 3, 4, 5	++++	77,0	19,0		1,6		1,8				Ir, Ti	18,6	1040 – 1140	1290	190		210	230		450		530	680		7		5	2		14,3	14,5	850	AL 1040 PF / 750

» High-quality non-precious alloys – naturally made in Germany

ADORBOND® CC



Cobalt-chrome bonding alloy for high-melting ceramic compounds

- Free of nickel, beryllium and gallium
- Without cytotoxic potential
- Unhampered processing
- Suitable for large spans
- Excellent price-performance ratio
- Tested biocompatibility
- Very good ceramic bond strength
- Low hardness 285 HV

Co 62,5% · Cr 24,6% · Mo 2,9% · W 8,5% · Si 1,3
Elements < 1%: Nb

ADORBOND® CC PLUS



Multi-purpose CoCr bonding alloy for all conventional ceramics

- Real classics
- Proven adhesive bond with ceramic
- Pourable by all melting methods
- Simple finishing and easy polishing after casting
- Also suitable for laser-welding
- Easy oxide removal after ceramic firing
- Proven global quality
- Biocompatible

Co 63,6% · Cr 24,8% · Mo 5,0% · W 5,5% · Si 1,1%



ADORBOND® CC Powder for laser-based application (on request)

ADORBOND® PREMIUM



Multi-purpose CoCr bonding alloy for all conventional ceramics

- With a special composition
- Proven adhesive bond with ceramic
- Pourable by all melting methods
- Easy finishing due to the lower hardness
- Simple finishing and easy polishing after casting
- Also suitable for laser-welding
- Easy oxide removal after ceramic firing
- Proven global quality
- Best-in-class
- Biocompatible

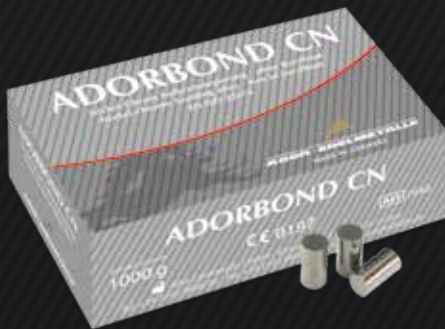
Co 58,7% · Cr 24,9% · Mo 4,8% · W 5,9% · Si 1,1% · Ga 4,2%
Elements < 1%: Si, Mn

We stick to the quality. Ador-Edelmetalle has always stood for high-quality precious and non-precious alloys – made in Germany. The best production standards and the highest requirements for processability and compatibility guarantee you a perfect product.

Thanks to our cooperation with one of the few European dental material producers which supply also a lot of our competitors we are able to offer you the best possible quality for a reasonable price. Recognised metallurgists ensure a consistently absolute purity.

Dental alloys. Value for money.

ADORBOND® CN



Nickel-chrome bonding alloy for high-melting ceramic compounds

- Free of beryllium
- Proven biocompatibility
- Extremely low hardness
- Very easy finishing
- Long-cooling is not required
- Also suitable for artificial veneers
- Very good ceramic bond strength
- Suitable for large spans
- Excellent price-performance ratio

Ni 64,0 % · Cr 24,0 % · Mo 9,9 %
Elements < 1 %: Fe, Ce, Si, Nb



Blanks are in 3 various ADORBOND® qualities available (see the following page)

ADORON® FH



Spring allround modeling cast alloy

- Free of nickel
- Superior strenght, high spring rate and good elongation at break
- Universally applicable for all areas of modeling cast technique
- Laser weldable
- Unhampered processing
- Proven biocompatibility
- Excellent price-performance ratio
- Without cytotoxic potential

Co 62,5 % · Cr 30,0 % · Mo 5,0 %
Elements < 1 %: Mn, C, Si



ADORON® LX Drops & ADORON® FH Drops (on request)

ADORON® LX



Laserable high-quality modeling cast alloy

- Free of nickel
- Superior strenght, high spring rate and good elongation at break
- Universally applicable for all areas of modeling cast technique
- Perfect for laser welding
- Unhampered processing
- Proven biocompatibility
- Excellent price-performance ratio
- Without cytotoxic potential

Co 62,5 % · Cr 29,5 % · Mo 5,5 % · Si 1,3 %
Elements < 1 %: Mn, C, N

» Cast, mill, laser fusion



ADORBOND® CC Powder for laser-based application (on request)

ADORBOND® CC BLANK

Cobalt-chrome mill blank

- Free of nickel, beryllium and gallium
- Without cytotoxic potential
- Unhindered processing
- Suitable for large spans
- Excellent price-performance ratio
- Tested biocompatibility
- Very good ceramic bond strength
- Low hardness 285 HV

CTE 14,0 (20–600 °C) · Co 62,0 % · Cr 25,0 % · Mo 3,0 % · W 8,0 % · Si 1,0 % · Elements < 1 %: Fe, Ce

ADORBOND® CC BLANK	
Thickness	Item No.
8 mm x 99,5 mm	7108
10 mm x 99,5 mm	7110
12 mm x 99,5 mm	7112
14 mm x 99,5 mm	7114
15 mm x 99,5 mm	7115
18 mm x 99,5 mm	7118
20 mm x 99,5 mm	7120

ADORBOND® CC BLANK	
Thickness	Item No.
8 mm x 98,5 mm	7208
10 mm x 98,5 mm	7210
12 mm x 98,5 mm	7212
13,5 mm x 98,5 mm	7214
15 mm x 98,5 mm	7215
18 mm x 98,5 mm	7218
20 mm x 98,5 mm	7220



» Your benefits

Our attitude

Since the foundation of Ador-Edelmetalle we have laid a great emphasis on the further development of our products according to the current market needs. Our alloys have been customized in conformity with the special market and processing requirements in cooperation with the leading dental metalworking producers. An optimal price-performance ratio is always the top priority for Ador-Edelmetalle.

Consulting at the highest level

We would like to make your working environment as simple and comfortable as possible applying many practical ideas. The competence of our medical product consultants is available to you from Monday to Friday from 8:30 am to 5:00 pm. We will be happy to accept your order or to answer any questions you may have regarding using our products. For a personal consultation at your premises please make an appointment.

Outstanding quality of the products

With our CE-certified alloys you have all the prerequisites for a high-quality dental technical work. Here you can find an appropriate alloy cater to all your individual requirements. We maintain a certified quality management system for manufacturing our medical products according to EN ISO 13485. You can therefore be sure that all the materials which you and the patient come into contact with have been fundamental tested and approved.

The best price

In addition to our excellent conditions we permanently have attractive offers that provide you with real economic advantages. Please contact your medical product consultant for further information.

Speed

We always have all the articles of our extensive product range at stock. Thus if you order by 4:30 pm, your purchase will be shipped at the same day and shall usually be by you by 12:00 pm the following day. When ordering from 1000 € the delivery is free of charge.

Flexible delivery options

And if you need the products particularly fast, you can use our Morning Express Service for an extra fee and receive your order before 9:00 am the following day.

ADOR CC-LOT

- Universal solder for ADORBOND® CC, CN and ADORON® FH, LX in bar form
ø 1,5 mm x ca. 75 mm long
- Suitable for all non-precious alloys

Co 62,0 % · Cr 29,0 % · Si 3,0 % · Elements < 1 %: B, C, Fe, Mn

ADOR NEM-LASEDRAHT (LASER WIRE)

- Suitable for all non-precious alloys
- Available in two thicknesses: ø 0,5 mm, ø 0,35 mm

Co 64,0 % · Cr 28,5 % · Mo 6,0 % · Elements < 1 %: Si · Mn

» 24-hour order service

- By e-mail at bestellung@ador-edelmetalle.de
- Online at www.ador-edelmetalle.de
- Or via our **Ador-Edelmetalle App**

We are glad to accept your orders 24/7

Download now our
Ador-Edelmetalle App for
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