

Alloys

Chrome Cobalt - Partial



SMART CHROME COBALT - DENTAL ALLOY

CHROME COBALT - DENTAL ALLOY PRODUCTS - SMART



SMART - Chrome Alloy -

For partial denture restoration

Composition:

- * Co(66%)
- * Cr(28%)
- * Mo(6%)
- * Other(0.5%)

SMART - Chrome Alloy - 100

Common Use: For Ceramic restorations

- * Smart Chrome complies with the Good Manufacturing Practices of the US FDA.
- * Where applicable, individual alloys are further certified to meet NIOM, ADA, or DIN standards.
- * Third party certification of our Quality System means that our entire operation has been independently audited to meet international standards.
- * The CE mark further confirms that the materials have been determined to be safe and effective for their intended purpose.

Code	Name	Price	+
112261	SMART-100 1kg Chrome Cobalt Molibdeno Ingot 1kg - Be & Ni Free for Ceramic rest...	US\$ 229.81	+Info
112262	Smart-Chrome L 1kg Chrome Cobalt Ingots (Semi Hard)	US\$ 138.60	+Info
112267	Smart-L-Chrome L Ingots 1lb Chrome Cobalt Ingots (Semi Hard)	US\$ 84.15	+Info
112268	Smart-L-Chrome Sh 1lb Chrome Cobalt Shots (Semi Hard) 1lb -	US\$ 84.15	+Info

Chrome Cobalt - Partial - DENTALALLOY

Chrome Cobalt - Partial - DENTALALLOY

Code	Name	Price	+
103836	Super-100 Cr Co Mo Ingot 1kg	US\$ 229.81	+Info
114381	Super-100 Cr Co Mo Ingot 1oz	US\$ 10.79	+Info

Chrome Cobalt 4 Partials - BEGO

Chrome Cobalt - Partials - BEGO



Wironium

Wironium

Code	Name	Price	+
419852	Wironium 1KG	US\$ 309.43	+Info
419856	Wironium Extrahart 1kg	US\$ 319.54	+Info

Wironium Plus

Wironium Plus

Code	Name	Price	+
419857	Wironium Plus 1kg	US\$ 330.24	+Info

CHROME COBALT CoCr SUPER-6 - DENTAL ALLOY

CHROME COBLAT CR-CO - SUPER 6 - DENTAL ALLOY

- * Dental Alloy Products complies with the Good Manufacturing Practices of the US FDA.
- * Where applicable, individual alloys are further certified to meet NIOM, ADA, or DIN standards.
- * Third party certification of our Quality System means that our entire operation has been independantly audited to meet international standards.
- * The CE mark further confirms that the materials have been determined to be safe and effective for their intended purpose.



SUPER - 6 Igot

SUPER - 6 Shots

SUPER-6 CR-CO Shots

Code	Name	Price	+
103841	Super-6 Chrome Cobalt Shots (Semi Hard) 1Kg -	US\$ 133.00	+Info
102313	Super-6 Chrome Cobalt Shots (Semi Hard) 1lb -	US\$ 72.67	+Info

SUPER-6 Ingots

Code	Name	Price	+
103913	Super-6 Chrome Cobalt Ingot (Semi Hard) 1lb	US\$ 75.73	+Info
103842	Super-6 Chrome Cobalt Ingots (Semi Hard) 1Kg -	US\$ 135.83	+Info

WIRONIT Chrome Cobalt CoCr - BEGO

WIRONIT CHROME COBALT CoCr - BEGO

The classical partial denture alloy for clasp prosthesis.

Wironit LA universally applicable for clasp partial dentures and combination work

- * Excellent laser welding properties for high-strength joints, even in extreme situations
- * Outstanding physical and chemical properties with finegrained tantalum for a homogeneous structure
- * With certificate regarding additional biological material tests at independent institutes Wironit Extra Hard is great for lower cases and milled work where more strength is needed.

Specifications:

- * Quality Speaks for Itself
- * Excellent Laser Welding Properties
- * Easy to Process
- * Co 63,5
- * Cr 29
- * Mo 5

US DENTAL DEPOT Inc is an Authorized BEGO Dealer in the US.



Code	Name	Price	+
010-50030	BEGO WIRONIT - Co-Cr Cobalt-Chrome Alloy - 1kg B#50030 Co/Chr partial alloy	US\$ 233.12	+Info
471432	BEGO WIRONIT - Co-Cr Cobalt-Chrome Alloy - 250grs - # 50020 Co/Chr partial alloy	US\$ 81.69	+Info

WIRONIT X-HART Chrome Cobalt CoCr - BEGO



Code	Name	Price	+
010-50060	Wironit X-HARD - Co-Cr Ays 1kg	US\$ 245.26	+Info
471433	Wironit Extrahart Cobalt-Chro	US\$ 49.62	+Info

Alloys
Chrome Cobalt 4 Ceramic



Chrome Cobalt 4 Ceramic - BEGO

Wirobond 280 for Non-precious metal-to-ceramic restorations with a Vickers hardness of 280 HV10, it can be finished to a particularly high standard. Extremely corrosion resistant thanks to the optimal interaction of the indispensable elements chrome and molybdenum. Very good melting and casting properties. No prolonged cooling necessary*, even with large spans. Secure bonding with ceramics.



Code	Name	Price	+
419855	Wirobond 280 - 250gr	US\$ 109.87	+Info
419853	Wirobond CC CrCo 250gr	US\$ 195.13	+Info
419854	Wirobond 280 1kg	US\$ 306.83	+Info

Alloys
Gold color Alloys



Gold color Alloys - ECCO

Gold color Alloys - ECCO

Code	Name	Price	+
114375	SMART-Gold Color Alloy 1oz	US\$ 14.10	+Info

SMART GOLD COLOR ALLOY - ECCO

SMART GOLD COLOR ALLOY - ECCO

Comparable formula to and can replace NPG from Albadent. Is a non-precious "type III" casting alloy for use in the construction of crowns, bridges, inlays and onlays. Although a non-noble alloy, possesses the appearance and handling characteristics of a yellow-gold alloy at a relatively cheaper price.



FORMULA

Cu: 80.9 %

Al: 7.8 %

Ni: 4.3 %

Fe: 3%

Zn: 2.7%

Mg: 1.7%

Physical Qualities

Vickers Hardness: 140

Casting Temp: 1148 C (2100F) Premium non Precious TYPE 3 casting alloy for Crowns and bridges, inlays and onlays.

NPG is a trade mark of Aalbadent Company

Code	Name	Price	+
103905	SMART-Gold Color Alloy formula 10oz	US\$ 72.35	+Info
101892	SMART-Gold Color Alloy formula 1lb (15 oz - 3 bags x 5 oz)	US\$ 100.17	+Info
101292	SMART-Gold Color Alloy formula 1Kg - (7 bags of 5 oz)	US\$ 214.25	+Info

Alloys

Nickel Chrome Berilium



EXACTOBOND CERAMIC ALLOY NICKEL CHROME Ni-Cr-Be - EXACTO

NICKEL CHROME DENTAL ALLOY Ni-Cr Be - EXACTO

Alloy Name EXACTO-BOND ALLOY NON-PRECIOUS ALLOYS

CTE of 14,1 to 14,5 , is compatible with almost all porcelains in the market - Ceramco - Ceramco 2- Noritake - Ceratec - Vision.

Color: WHITE **Type:** PFM Application

EXACTO-BOND ALLOY is designed for porcelain powders. Due to its CTE and containing Berilium, makes it also full compatible with the most used porcelains in the market

EXACTO-BOND ALLOY

EXACTO-BOND : in % of the weight:

- Ni-(78.9)
- Cr(12),
- Mo-(4.6%)
- Al-(2.6%),
- Be-(1.8%)



Code	Name	Price	+
103909	ExactoBond Ni Cr with Berilium 10oz Nickel Chrome Berilium for ceramics/porcelai...	US\$ 53.08	+Info
1010001	EXACTOBOND Ni Cr with Berilium 1Kg Nickel Chrome w/Berilium for ceramics/porcela...	US\$ 129.08	+Info

SUPER-1 NICKEL CHROME ALLOY Ni-Cr-Be - DENTAL ALLOY



Code	Name	Price	+
100504	SUPER-1 Ni Cr with Berilium 1Kg Nickel Chrome Berilium for ceramics/porcelains-	US\$ 152.81	+Info

CERAMIC ALLOY NICKEL CHROME Ni-Cr-Be - CERAKAST

CERAMIC ALLOY NICKEL CHROME Ni-Cr-Be - CERAKAST

Alloy Name CERAKAST 1 NON-PRECIOUS ALLOYS

CTE of 14,1 to 14,5 , is compatible with almost all porcelains in the market - Ceramco - Ceramco 2- Noritake - Ceratec - Vision.

Color: WHITE

Type: PFM Application

CERAKAST 1 been specially designed for Ceratec porcelain powders. Due to its CTE and containing Berilium, makes it also full compatible with the most used porcelains in the market

Common Use: For metal-ceramic restoration

Is compatible with almost all porcelains in the market - Ceramco- Ceramco 2- Noritake- Ceratec - Vision

Formula CERAKAST 1 :

in % of the weight :

Ni-(78.95%)

Cr-(12%)

Mo-(4.6%)

Al-(2.6%)

Be-(1.8%)

For more info check our website www.usdentaldepot.com



Code	Name	Price	+
101580	CeraKast Ni Cr with Berilium 1Kg Nickel Chrome Berilium for ceramics/porcelains	US\$ 145.09	+Info

CERAMIC ALLOY NICKEL CHROME Ni-Cr-Be - SMART-REX

CERAMIC ALLOY NICKEL CHROME Ni-Cr-Be - SMART-REX

NICKEL CHROME Ni-Cr Be
NICKLE CHROME with similar formula as REXILIUM ALLOY. Ddesigned for porcelain powders. Due to its CTE and containing Berilium, makes it also full compatible with the most used porcelains in the market

Features:

CTE of 14,1 to 14,5 , is compatible with almost all porcelains in the market

- * Ceramco
- * Ceramco 2
- * Noritake



* Ceratec
* Vision

Code	Name	Price	+
100034	SMART-REX - Rexillium III formula 5oz Nickel Chrome Berilium for ceramics/porcel...	US\$ 35.80	+Info
101937	SMART-REX - Rexillium III formula 1Kg - (From Bulk package) Nickel Chrome Beri...	US\$ 154.35	+Info

Nickel Chrome Berilium - AALBADENT

Nickel Chrome Berilium - AALBADENT

Code	Name	Price	+
474228	VERABOND II Ni-Cr-NO Be 200G	US\$ 32.00	+Info
474250	VERABOND Ni-Cr Be 200G	US\$ 32.00	+Info

Nickel Chrome Berilium - BEGO

Nickel Chrome Berilium - BEGO

Code	Name	Price	+
419851	Wiroweld NC 0.35mm	US\$ 108.39	+Info

Nickel Chrome Berilium - DENTALALLOY

Nickel Chrome Berilium - DENTALALLOY

Code	Name	Price	+
103907	SUPER-1 Ni Cr Be Ingot 1oz	US\$ 7.18	+Info

SMART-5 VITA CERAMIC ALLOY N ICKEL CHROME Ni-Cr-Be - ARGEN

**NICKEL CHROME DENTAL ALLOY Ni-Cr Be
SPECIAL FOR VITA PORCELAINS
DENTALALLOYS**

SMART V

With a CTE of 14,1 to 14,5 , is compatible with almost all porcelains in the market - Ceramco - Ceramco 2- Noritake - Ceratec - Vision. Is the most recognized non-precious alloy in the world, and continues to be the top-seller at Dental Alloy Products. Has a superb clinical history and works perfectly as a high-strength, economical alloy. Its advanced metallurgical properties, including a light oxide, ensure consistent, faithful wax reproduction with sharp margins.



Super 14

With a CTE 13,6 to 14,0 , is compatible with VITA porcelains

Formula:

Super 1: in % of the weight:

- * Ni (77%)
- * Cr (14%)
- * Mo (4.7%)
- * Al (2%)
- * Be (1.8%)

Super 14: in % of the weight:

- * Ni (72%)
- * Cr (15%)
- * Mo (9%)
- * Al (2%)
- * Be (1.8%)

Instructions for Use:

1. Modeling : Maintain a minimum wax thickness of 0.3 to 0.4 mm. The wax pattern design should have lingual collars and no sharp corners. Lingual eyelet rings help support castings during firing.
2. Spruing (Single Crowns): Use direct sprues, 8-10 gauge, (3.3-2.6 mm diameter) and 1/2 in. (12 mm) long with adequate reservoirs. There should be no more than 1/4 in. (6 mm) of investment from the top of the pattern to the top of the investment.
3. Induction or Electrical Casting: When using induction casting machine, pre-heat the crucible. Set the arm speed to 400-450 rpm & set the power to high and be sure that the alloy is pulsating and slumping. The casting temperature of automatic casting equipment should be set for 2500 ?F (1370 ?C) with a five seconds heat soak.
4. Cooling: Allow casting ring to cool to room temperature. DO NOT quench in water.

SUPER-14 VITA CERAMIC ALLOY

Code	Name	Price	+
100617	SUPER-14 VITA Ni Cr with Berilium 1Kg - FOR VITA PORCELAIN -	US\$ 154.00	+Info

SMART-7 NORITAKE CERAMIC ALLOY NICKEL CHROME Ni-Cr-Be - ARGON

SMART-7 NIQUEL CHROME - BERILIUM SPECIAL FOR NORITAKE PORCELAINS

Instructions For Use:

SPRUING (SINGLE CROWNS) - Use direct sprues, 8-10 gauge, (3.3-2.6 mm diameter) and 1/2 in. (12 mm) long with adequate reservoirs. There should be no more than 1/4 in. (6 mm) of investment from the top of the pattern to the top of the investment.

MODELING - Maintain a minimum wax thickness of



0.3 to 0.4 mm. The wax pattern design should have lingual collars and no sharp corners. Lingual eyelet rings help support castings during firing.

INDUCTION or Electrical Casting - When using induction casting machine, pre-heat the crucible. Set the arm speed to 400-450 rpm & set the power to high and be sure that the alloy is pulsating and slumping. The casting temperature of automatic casting equipment should be set for 2500 F (1370 C) with a five seconds heat soak.

COOLING - Allow casting ring to cool to room temperature. DO NOT quench in water.

Size: 1 oz - (1 Kg minimum order)

Code	Name	Price	+
113477	SMART-7 Ni Cr Berilium - 1oz - For Noritake - Specially designed FOR NORITAKE PO...	US\$ 5.38	+Info

Alloys

Nickel Chrome NON Berilium



EXACTOBOND CERAMIC ALLOY NICKEL CHROME N i-Cr-Be FREE - EXACTO EXACTOBOND CERAMIC ALLOY NICKEL CHROME Ni-Cr-Be FREE



Features:

Formulated Berilium Free. Common Use: For metal-ceramic restorations Its advanced metallurgical properties, including a light oxide, ensure consistent, faithful wax reproduction with sharp margins.

Physical Properties:

- * Composition Weight %
- * Metal: Ni(54)Cr(22)Mo(9 Fe (4) Ta (4)
- * Expansion at 500C: 14.1
- * Crucible: Quartz or Zircon
- * Expansion at 600C: 14.5

For more info check our website www.usdentaldepot.com

Code	Name	Price	+
102197	EXACTOBOND II Ni Cr Non Berilium 1LB Nickel Chrome Berilium Free	US\$ 45.75	+Info
101416	EXACTOBOND II Ni Cr Non Berilium 1kg Nickel Chrome Berilium Free	US\$ 130.50	+Info

Nickel Chrome NON Berilium - ADS

Nickel Chrome NON Berilium - ADS

Code	Name	Price	+
118414	Tech Star Alloy 1oz	US\$ 10.32	+Info
118415	Tech Star Alloy 5oz	US\$ 53.85	+Info



SUPER 3 NICKEL CHROME Ni-Cr-Be Free - DENTAL ALLOY

NICKEL CHROME DENTAL ALLOY SUPER 3 Ni-Cr-Be Free - DENTAL ALLOY

Formulated Berilium Free.

Common Use: For metal-ceramic restorations

Its advanced metallurgical properties, including a light oxide, ensure consistent, faithful wax reproduction with sharp margins.

Composition Weight

- * Ni (54%)
- * Cr (22%)
- * Mo (9%)
- * Fe (4%)
- * Ta (4%)

Physical Properties:

- * Expansion at 500C: 14.1
- * Crucible: Quartz or Zircon
- * Expansion at 600C: 14.5

Code	Name	Price	+
102198	SUPER-3 Ni Cr Non Berilium (Free) 1LB -	US\$ 71.26	+Info
100010	SUPER-3 Ni Cr Non Berilium (Free) 1Kg -	US\$ 128.38	+Info

CR CO NON BE - CERAkast

CR CO NON BE - CERAkast

Specification:

- * Ni -54%
- * Cr -22%
- * Mo - 9%
- * Fe - 4 %
- * Nb - 4%
- * Ta - 4%

Melting Range: 2230-2245 F - 1220-1230 C

Casting Temperature: 2500 F - 1370 C

Coefficient of Linear Thermal Expansion: CTE:

25-500 To 25-600 14.1 To 14.4

Oxidation - 1000 C - 1 minute with or without vacuum.



Code	Name	Price	+
102200	CeraKast-2 Ni Cr Non Berilium 1LB Nickel Chrome Berilium Free -	US\$ 70.55	+Info

Nickel Chrome NON Berilium - DENTAL ALLOY

Nickel Chrome NON Berilium - DENTAL ALLOY

Code	Name	Price	+
114352	SUPER-11 Ni Cr Mo Be FREE 1oz	US\$ 6.03	+Info
474309	SUPER-11 Ni Cr Mo (Be FREE) 1Kg	US\$ 116.83	+Info

WIRON NiCr Ceramic Alloys - BEG

O



Wiron 99

Wiron 99

Code	Name	Price	+
419858	Wiron 99 NiCr 250gr	US\$ 176.29	+Info

Wiron Light

Wiron Light

Code	Name	Price	+
419860	Wiron light 1kg	US\$ 183.30	+Info
419861	Wiron light 250gr	US\$ 123.40	+Info

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