

# Kobalt-Chrom-Lot

Co61.0Cr28.5Si4.2Mo3.1B1.5Fe1.3C [%]

CE 0197

## Instructions for use

Brazing material for non-precious alloys

Kobalt-Chrom-Lot is supplied in form of rods.

Kobalt-Chrom-Lot equates ISO 9333.

REF 52520 (4 g)

### Characteristics of brazing material

According to ISO 9333 free of nickel, cadmium, beryllium and lead.

Solidus, liquidus temperature	°C	1125, 1195
Profile		half-round
BEGO color-code		8
Flux		Minoxyd (REF 52530)

**Intended Use:** Kobalt-Chrom-Lot is indicated for brazing of dental restorations.

**Indications for use:** Kobalt-Chrom-Lot is a brazing material for non-precious alloys. It is suitable for brazing of partial dentures. Not venerable with ceramics.

**Contraindications:** No contraindications are known. However, unwanted biological reactions such as allergies to contents of the alloy or electrochemically based reactions may very rarely occur. In case of known incompatibilities and allergies to contents of the metallic material it should not be used.

**Warnings:** Metal dust is harmful to your health. When grinding and blasting use suitable air extraction system/ventilation at the workplace and breathing mask type FFP3-EN149!

**Precautions:** In case of occlusal or approximal contact with a different alloy electrochemically based reactions may very rarely occur. Safety and effectiveness in treatment of children or treatment of pregnant or nursing woman have not been established. Kobalt-Chrom-Lot may influence negatively the interpretation of MRI investigations.

**Adverse reactions:** No adverse reactions are known. Nevertheless, the rare case of occurrence of individual reactions against single components of Kobalt-Chrom-Lot can never be excluded completely. In this case, the application of Kobalt-Chrom-Lot should not be continued.

**Prescription device:** Caution: US Federal law restricts this device to sale by or on the order of a licensed dentist.

**Preparation and brazing:** Surfaces for brazing should be prepared through grinding. Then produce a brazing block (e. g. out of Bellatherm, REF 51105).

The brazing block must be preheated at least 10 min at 300 °C. The brazing seam should be placed in a low loaded area of the restoration if possible. The surface of the joining parts should be so large as possible (regard Bruxism!). The joint clearance should be about 0.2 mm and is to be coated economical with a fluxing agent like Minoxyd (REF 52530).

The brazing material should be coated with the fluxing agent and is to be placed on the brazing fit. Before the brazing temperature (liquidus temperature of the brazing material + approx. 50 °C) is reached, the whole object

must be heated evenly and completely near to this temperature.

Therefore the brazing block must be – regarding the volume – heated for 3 – 5 min to approx. 150 °C under the working temperature. Than the temperature should be raised to the working temperature. This temperature should be hold for 1 min.

After brazing the surface has to be prepared (e. g. grinding, blasting) analogous to the instruction of use for the fused alloy.

**Storage conditions:** None

**Limit of Liability:** Except where prohibited by law, BEGO Bremer Goldschlägerei Wilh. Herbst GmbH & Co. KG will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental or consequential, regardless of the theory asserted, including warranty, contract, negligence or strict liability.

**Warranty:** Whether given verbally, in writing or by practical instructions, our recommendations for use are based upon our own experience and trials and can be considered as standard values. Our products are subject to a constant further development. Therefore alterations in construction and composition are reserved.

**US Labeling requirements:** The device labeling meets the recommendations of FDA applicable guidance documents.

Any serious incident that has occurred in relation to Kobalt-Chrom-Lot should be reported to BEGO Bremer Goldschlägerei Wilh. Herbst GmbH & Co. KG and the competent authority.



Consult instructions for use



Caution



Use-by-date



Batch code



Non-sterile

**Rx only**  
For professional use only



Catalogue number



Manufacturer

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