

Working procedure for MINERVA 58

- 1. Indication.** Yellow dental alloy for crowns, bridges and partial dentures.
- 2. Contraindication.** If patients are known to be allergic to any of the components, the material should not be applied.
- 3. Spruing.** According to the indirect method: 3 mm \varnothing for crowns, 3,5 mm \varnothing for pontics, runner bar 4-4,5 mm \varnothing .
- 4. Investing.** Invest in a reliable phosphate-bonded investment, such as Carrara Universal DL Investment.
- 5. Burn out.** Preheat at 750°C/1380°F for 30-120 min. depending on the size of the muffle ring.
- 6. Casting.** Casting temperature: 1030°C/1886°F in graphite crucible; or with the flame in a ceramic crucible with Elephant Proflux. Use at least 1/3 new metal at each casting. Clean the metal well before re-use, for example by means of sandblasting and steam-cleaning.
- 7. Finishing.** Use the usual finishing instruments and materials, such as Elephant Alublast, Bright Blast, Pickling Agent and polishing materials.
- 8. Soldering.** Elephant III (PdF) 750°C/1380°F or IV (PdF) 700°C/1290°F with Elephant Paste Flux.

MINERVA 58

25
GRAM

Made in Germany

Gelbe goldreduzierte dental Gußlegierung
Yellow goldreduced dental casting alloy
Gele goudgereduceerde dentale gietlegering

Typ IV für Kronen, Brücken und Modellguß
Type IV for crowns, bridges and partial dentures
Type IV voor kronen, bruggen en partiële protheses

Au=58.0, Pt=1.0, Pd=3.5, Ag=24.4, Cu=12.0, Zn=1.0, Rest Sn, Ir
Schmelzintervall. M.R. 850-920°C
Dichte, S.G. 13.8 g/cm³
Vickershärte, HV5 295 (Nach dem Guß, as cast)
Bruchdehnung, Elong. 8% (Nach dem Guß, as cast)
Rp-0.2 870 MPa (Nach dem Guß, as cast)
E-Modul 100 GPa

www.elephant-dental.com

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ISO 22674
Rx only



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