


1. **General:** **SOLIDUR CoCr** is a pure **Cobalt-Chrome Partial Denture Alloy**. **SOLIDUR CoCr** has excellent elasticity, polishing and shine characteristics.

SOLIDUR CoCr is suitable for open flame melting as well as for high frequency casting, and may also be scanned by laser as recommended DIN 13912/ISO 6871.

1.1. Product Description/ Content:	Art. 960-0250	SOLIDUR CoCr	250 g
	Art. 960-1000	SOLIDUR CoCr	1000 g

- 1.2. **Manufacturer:**  YETI Dentalprodukte GmbH, Industriestraße 3, D-78234 Engen, Germany
 Tel.: 0049-7733-94100 Fax: 0049-7733-941022 e-mail-adresse: info@yeti-dental.com
 Technical questions: 0049-7733-9410-20

2. **Pre-Determined use:**
 CE certified (DIN 13912/Iso6871) pure Cobalt-Chrome Partial Denture Alloy, to be used only by dental technicians or similarly qualified people for dental restorations in the patient's mouth.

3. **Instructions for use:**

3.1 **Modelling**

We suggest you to use special casting waxes which can be found at dentalwax.com

3.2. **Embedding**

SOLIDUR CoCr is compatible with the Cobavest Art. 942-0000 or any other phosphate-bound commercial investments which can be pre-heated up to 1.020°C following the manufacturers instructions. A pre-heating temperature of 950°C has proved to be good at the praxis.

SOLIDUR and COBAVEST complement each other and, used together can lead to **optimal casting results** and **highest precision fitting**.

3.3. **Casting**

SOLIDUR CoCr must be melted in a **ceramic crucible** using ventilation for removing of vapours. Never use graphite crucibles.

Flame and High frequency melting:

The neutral adjusted flame **with Propan/Oxygen** or Azetylen/Oxygen as well as the **non use of the Flux** prevents overheating of the alloy. As soon as the last cast ingots have slumped, the shade disappeared and immediately after opening (tear) of the oxide layer start the casting procedure.

3.4. **Cooling**

After casting let the muffle **cool slowly and at room temperature**. Please do not reuse the casted metal. The units from **SOLIDUR CoCr** are finished using normal tungsten carbides and stones or electrolytical method for high gloss. To avoid any contamination while working with different alloys, we suggest you use the same grinding instruments.

4.0 **Soldering**

SOLIDUR CoCr can be soldered with the **NE Universallot** Art. 960-0000.

5.0 **Guarantee**










The user is responsible for correct use and processing. All recommendations are based on our own experience. Any claim for compensation we receive can only relate to the value of the goods which have been delivered.

6. **Symbols**

Dokument:	Erstellt am/von:	geändert am/von:	Revision:	freigegeben am/von:	Seitenzahl:
BA	15.07.2008/TB	25.03.2019/CJ	1	25.03.2019/TB	Seite 1 von 3

Operating Instruction

State 3/2019

	Producer
	CE sign with number of notified body
	Consult operating instructions
	FOR DENTAL PROFESSIONALS ONLY (USA)
	Non-sterile product
	Order number
	Lot number
	Production date
	Shelf life till

Dokument:	Erstellt am/von:	geändert am/von:	Revision:	freigegeben am/von:	Seitenzahl:
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Operating Instruction

State 3/2019



Certificat

Product's name:

SOLIDUR Co Cr

Description:

Partial Denture Alloy Basically Co Cr

Delivery:

250 gr Art. Nr. 960-0250
1000 gr Art. Nr. 960-1000

Chemical Composition according to: **EN 10 204 – 3.1 B**

Co %	Cr %	Mo %	Mn %	C %	Si %	Fe %
63	29,4	5,95	0,6	0,29	0,7	0,06

Technical Data:

Density: **8,3 g/cm³**
Melting point (Solidus): **1.280 °C**
Melting point (Liquidus): **< 1480 °C**
Hardness: **< 420 HV 10**
Adhesive Force: **< 710 N/mm²**
Tension: **> 6,5 %**
E-Modul: **230.000 Mpa**
Expansion: **8 %**

Norm:

DIN 13912
DIN EN ISO 13488 9001/2000
Appendix 5 MP-Recommandation 93/42/EWG

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