

## Targets & Evaporation Materials

### Chromium

robeko supplies high quality materials such as hipped chromium targets with purity grades ranging from 99.5 to 99.99 %.

- ✓ 100 % density = 7.19 g/cm<sup>3</sup>
- ✓ Dimensional stability
- ✓ Enhanced mechanical properties
- ✓ Uniform grain size distribution
- ✓ Small grain sizes



#### Target size – PLANAR

- ✓ Single piece up to 2000 mm
- ✓ Multi-assemblies/bonded to copper backing plate
- ✓ Manufactured to customer specifications

#### Target size – ROTATABLE

- ✓ Backing tube diameter = 133 x 4 mm, Cr thickness 10–15 mm
- ✓ Manufactured to customer specifications
- ✓ Hipped or sprayed



#### Applications

- ✓ Decorative coatings
- ✓ Mirrors
- ✓ TFT LCD

#### Typical analysis

Composition Cr > xx.xx %	Impurities, ppm, less than									
	Al	Fe	Mo	Ni	Si	W	C	N	O	S
99.5	20	1000	30	50	200	30	200	100	1500	100
99.9	15	500	20	50	100	30	200	80	800	80
99.95	20	300	15	30	80	20	100	80	300	50