

## **Black chrome - Smoky chrome**

### **Also serves as a substitute for Black Rhodium / Black Ruthenium**

#### **Preparation of the black chrome solution:**

You will need: Graphite electrode or also platinum electrode.  
Use at room temperature!

#### **Black chrome is coated as follows:**

Positive cable with handle and electrode and pad as positive.  
Minus cable with crocodile clip attached to the workpiece and connection in the minus pole

Platinum electrode, graphite electrode  
Cotton pad  
Voltage: starting at 3 volts!

Processing at room temperature  
Place the part to be coated in warm water beforehand.  
Wear protective gloves, safety goggles  
Can be used liquid or thickened - thickening with our gel former possible

Polish surface to gloss by hand or machine  
Degrease surface with electrocleaner, also the crocodile clip!  
Important: Everything must be thoroughly degreased and activated, including the crocodile clip.  
Oxides stop the process immediately

#### **Coating on:**

**Copper - very dark deposition**

**Nickel - dark anthracite**

**Or gold flash or gold surface**

**Thoroughly degrease the gold surface and the minus again, best with  
10 % sulfuric acid decapitate (so about 1-2 minutes) correctly .**

You can get this at [www.s3-chemicals.de](http://www.s3-chemicals.de)

Then apply the black chrome to the surface using an anode pad with light circular movements. Afterwards rub well again with sulfuric acid to compact the material!

No drying phase or similar necessary.

Rinse with water and polish to shine with a soft cloth and our care product!

Training film and further information in the store [www.betzmann-galvanik.de](http://www.betzmann-galvanik.de)