

**EHC Hard Chrome**  
 Our Original Hard Chrome

EHC Hard Chrome is Empire's original proprietary Hard Chrome, giving excellent surface properties without degrading the base material. It yields dramatically increased wear life and corrosion protection resulting in lower production costs.

**Advantages:**

- Increased wear resistance due to lower coefficient of friction
- Superior bonding through micro-penetration
- Easy to remove without affecting base metal finish
- Low temperature (130°F) process
- High thermal conductivity

**Applications:**

- Process tooling – molds, dies, rolls, hydraulics
- Production parts – agricultural, aerospace, automotive, food processing, textile

**Availability:**

- Several surface finishes and thicknesses – and can be combined with Empire's proprietary additives and surface coatings to provide the hardness, friction release and corrosion properties your application demands

Compare EHC Hard Chrome to Conventional Hard Chrome:



**EHC Hard Chrome 72-74 Rc**

- control of micro-crack depth – no cracks bridge chrome layer
- uniformity of deposit at edge
- micropenetration to treated part surface



**Conventional Hard Chrome 60-62 Rc**

- microcracks bridge chrome layer
- inherent edge buildup
- hydrogen embrittlement layer