

Rusting: anodization

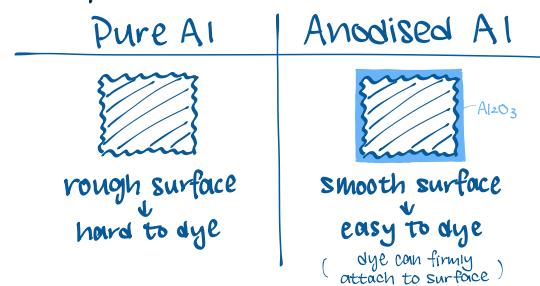
1 Purpose & advantages

- Anodization = thicken protective Al_2O_3 layer 针对 Al only (impermeable to water & air)

- Advantages

1. enhances corrosion resistance

2. Al_2O_3 provides smooth surface \rightarrow easier to dye

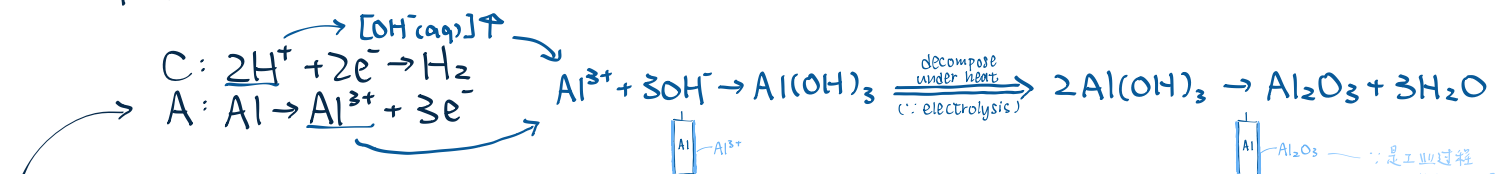
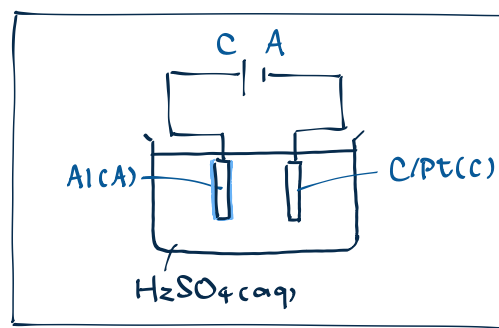


3. \uparrow Al thickness

2 Process

- 过程: $\text{Al} \rightarrow \text{Al}_2\text{O}_3$

- \star industrial process, below is simplified version



是工业过程
不知道实际原理, 但 Al_2O_3 不会溶进 $\text{H}_2\text{SO}_4(\text{aq})$ 里