

# Cole Gate Corrosion Prevention



## Description:

The gates were assembled from recycled metals, particularly steel, which began to rust when it came into contact with the moisture in the air. The rust can be removed with steel wool and baking soda, but a permanent solution must be implemented to keep corrosion at bay. In the short term, camellia oil provides ecological, easy, DIY protection against rust, rather than aerosol corrosion inhibitors. In the long-term, sacrificial anode protection prevents the corrosion of large surfaces. Small masses of magnesium attached to the gate attract rust away from steel and only need to be replaced every 5 years or so. A faint electric current can also be run through the anodes and the gate to facilitate the process, but this is not necessary. The entire process can take less than a day, and does not require special skills or hiring professionals.

## Budget:

Materials:

Labor:

**Total:**

## Eco-Luxe

\$20

15 min

\$20 + 15 min install

## DIY

\$10

2 hours

\$10 + 2 hours to build and install

## Why This Matters

Rust is a natural phenomenon that can seem impossible to tackle without dangerous chemicals, so those who are ecologically conscious can be tempted to scrap anything that has begun to corrode.

## What Can I Do?

Check out the artist:

Daniel Macchiarini

<https://www.macreatedesign.com/>

<http://www.metalworkssf.com/>