

# Selective gold plating on silver

project  
one

We've chosen selective gold plating on silver as the first project, as it's the easiest and often the most popular choice for those starting out in pen plating.

The two featured rings demonstrate two different approaches to selective plating; one involves masking out with nail varnish, the other careful application of the gold solution using one of the pointed nibs. For in-depth guidance on surface preparation, please refer to the relevant sections of the Brush Plating Manual.



## 1 What you'll need

**Equipment;** LED Pen Rectifier, plating pot stand, plating pen, tray, pen nibs (pointed and paddle shaped), artist's watercolour brush.

**Solutions and Materials;** gold plating solution, MetaSeal, MPU, nail varnish, kitchen paper towel.



## 2 Close-up

The pointed nib of our plating pen is ideal for plating inside the hollow shape of ring A, as well as applying a band of plated gold to the middle of ring B.



## 3 Surface preparation

Clean and prepare the surface of the silver with MPU.

### Remember!

MPU has been specially formulated; all you have to do is to apply it with a clean paper towel and buff up with another clean paper towel.

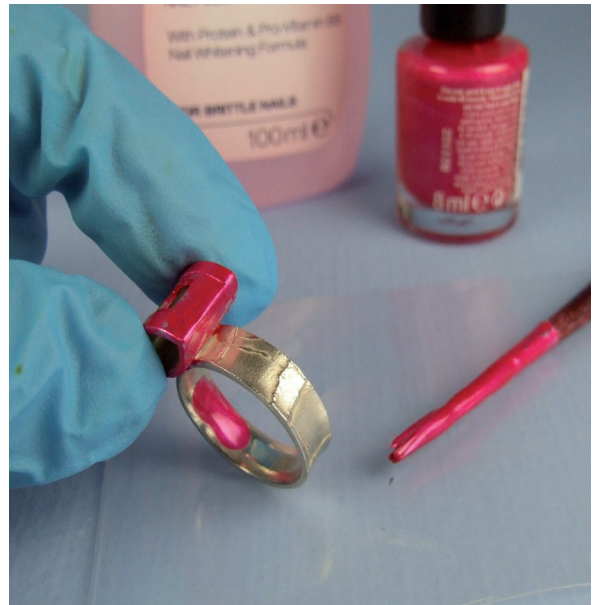
This process removes both tarnishing and grease, all in one go.

#### 4 Masking out ring A

We recommend wearing gloves throughout this process, to avoid getting the clean surface of the ring dirty again with your fingers. A fine artist's watercolour brush is essential, as the brush supplied with the nail varnish isn't accurate enough.

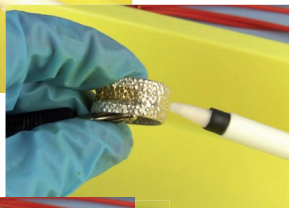
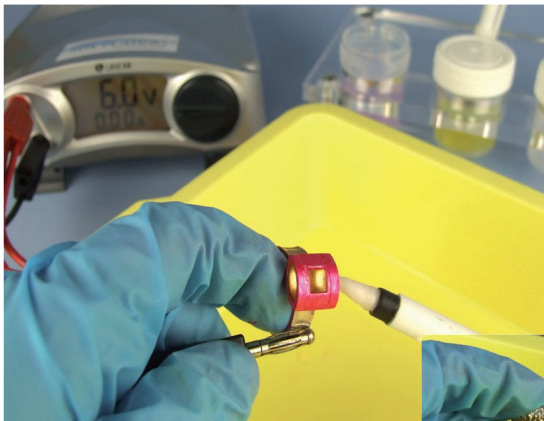
#### Tip!

You can remove any mistakes you make with the nail varnish by carefully wiping it away with a spare pen nib, dipped in nail varnish remover!

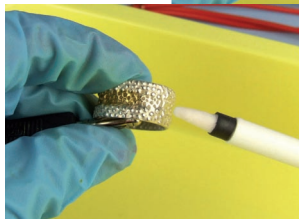


#### 5 Selective gold plating - 6v

Fit a nib into the end of the pen and adjust the rectifier to the correct voltage. Make sure the nib is fully pushed up into the end of the pen so that the cotton wool makes contact with the platinum tip. Dip the nib into the gold solution and brush the surface of the work with circular movements. Keep dipping the nib regularly into the solution to replenish the gold.



► Ring A; the pointed nib easily gets into the smallest of areas, allowing you to plate precisely and economically. The paddle shaped nib is great for plating the flatter areas of the ring, such as the band.



► Ring B; the pointed nib also allows you to apply the gold plating solution very accurately freehand, without the need of masking out.

#### 6 Finishing

Remove the nail varnish with nail varnish remover, using kitchen paper towel. To bring out the lustre of the gold plate, polish with MetaSeal.

