

Rose Gold Mixer – Beginner Guide (Brush, Swab & Bath Plating)

This guide explains the **beginner-friendly use of the rose gold mixer additive** in combination with clear gold or standard gold electrolytes. It is suitable for **brush plating, swab plating and bath plating**.

The content follows established international best

Purpose of the Rose Gold Mixer

The rose gold mixer is an **additive concentrate** that allows the creation of **warm rose to red gold shades** from clear gold or standard gold electrolytes. The final colour can be adjusted individually.

Pre-mixed rose gold electrolytes are also available for direct use.

An additional additive known as **gold whitener** can be used to create even warmer rose gold tones (see separate guide).

Mixing Ratios (Guidelines)

- **1 : 10 (mixer : gold)** → dark rose gold
- **2 : 10** → very warm tone, similar to polished copper
- Less mixer → lighter rose gold
- More mixer → darker, redder tone

→ Colour tone can be adjusted at any time by changing the ratio.

Preparing the Mixture

Required Materials

- Rose gold mixer
- Clear gold or standard gold electrolyte
- Mixing set (beaker, pipette, measuring cylinder)

Mixing Example

1. Measure **1–2 ml of rose gold mixer** with a pipette
2. Transfer into the mixing beaker
3. Measure **10 ml of gold or clear gold electrolyte**
4. Combine both liquids
5. **Mix thoroughly**

→ Only prepare the amount required for the current plating job.

Suitable Substrates

Recommended:

- Nickel
- Stainless steel
- Copper
- Brass
- Silver

Important:

- On stainless steel or nickel alloys, always apply a **thin gold underlayer** first
 - This ensures good adhesion and colour consistency
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Electrical Setup

- **Normal polarity**
- Positive: handpiece with electrode and fabric pad
- Negative: crocodile clip on the workpiece

Recommended electrodes:

- Platinum electrode (best results)
- Graphite electrode (alternative)

Process Parameters

- **Voltage:** from 4 volts
 - **Temperature:** room temperature is sufficient
 - **Consistency:** liquid or thickened (with gelling agent)
 - **Rinsing water:** distilled water only
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Step-by-Step Plating Process

1. Polishing

- Polish the surface to a high gloss

2. Degreasing

- Thoroughly clean with electrocleaner
- Rinse with distilled water
- Do not touch afterwards

3. Activation

- Activate at **2.7 volts**
- Short and even treatment
- Rinse

4. Gold Underlayer

- Apply a thin gold flash or 24 kt gold layer
- Rinse

5. Rose Gold Plating (Mixer)

- Wash fabric pad with warm water before use
- Soak pad well
- Plate using gentle circular movements
- Even movement ensures uniform colour

No drying time required.

Post-Treatment

- Rinse with distilled water
 - Polish to high gloss with a soft cloth and care product
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Care Notes

- Use separate pads for different metals
- Clean pads regularly