

Pre-Gold Bath JE285

Description

The pre-gold bath JE285 is suitable for adherent direct plating of stainless steels like chromium-nickel steel, molybdenum-containing steel and difficult activated nickel-based alloys. Because of its strong activating effect, it can also be applied for hard galvanized passive materials. Generally, it improves the adhesion properties between base material and galvanic surface.

Operating data

Gold content 3g/l Au
pH-value 1 – 1,6

Operating conditions

Voltage	2 – 4 Volt
Bath temperature	20 - 35°C
Exposure time	2 – 5 min
Anode material	MOX (Mixed oxide)
Anode/Cathode surface	Ca. 1 : 1
Motion of goods	required
Power density	2- 6 A/dm ²
Bath filtration	Up to 10 liter
Deposit rate	Approx. 10–15mg/Amin
Basin material	PP, PPH

Deposition data

Hardness 165 HV
Layer thickness < 5 µm

Form of delivery

Ready for use

Bath control / Regeneration

A regeneration has to be effected at the latest gold composition of 20 %. For 1 g isolated fine gold you have to add 5 ml regeneration solution JE285-R and 10 ml gold salt solution (100 g AU/l). Frame and rinsing losses are not included. For the control of the isolated precipitation weight we recommend an ampère minute counter.

Furthermore you should control the pH-value regular and if there any differences you should revise it. At a to high pH-value it must be carefully lowered by 10% sulfuric acid.

Recovery

The used solution contains precious metal, which we work up for you. The recovery of this solution can be profitable off 10 liter. For the recovery of the precious metals can we advise our recovery machine. Talk to us!

Storage

Store it in closed containers and separated from food products in suitable special marked boxes. Do not bring in contact with acids or acidic solutions.

Risks/ Disposal

Used solutions should be disposed of by a specialist company who will treat it before discharging. Check it with the local water authority for permitted discharge levels.

**Please consider our
Safety data sheet!**